

JAYAM COLLEGE OF ENGINEERING AND TECHNOLOGY

Nallanur, Dharmapuri-636 813.
Tamilnadu



Self Study Report (Cycle – I)

(A Documented application for NAAC Accreditation)

Submitted to



**NATIONAL ASSESSMENT AND ACCREDITATION
COUNCIL**

P.O.Box No. 1075, Nagarbhavi, Bangalore – 560 072

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JAYAM COLLEGE OF ENGINEERING & TECHNOLOGY



(Approved by AICTE & Affiliated to Anna University)
(NBA Accredited & ISO 9001 : 2008 Certified)
Nallanur, Dharmapuri - 636 813, Tamilnadu, India.
Phone : 04342-235235 (30 Lines) Fax : 04342-235555



web : www.jcet.ac.in

E-mail : info@jcet.ac.in

Lr. No.160/JCET/DEC-2015/NAAC/Dt:31.12.2015

To

The Director,
National Assessment and Accreditation Council,
P.O.Box No. 1075, Nagarbhavi,
Bengaluru – 560 072.

Sir,

Sub: NAAC Accreditation – Submission of Self Study Report – Reg.
Ref: 1. LOI bearing Track ID **TNCOGN25607** dt. 30.11.2015.
2. LOI acceptance mail received from NAAC – dt. 21.12.2015.

We submitted the LOI (Track ID **TNCOGN25607**) on 30.11.2015 and the same was accepted by NAAC vide reference (2). In Continuation of the above, we are submitting the hard and soft copies of the SSR of our institute along with Demand Draft for Rs. 3,43,500/- (Rupees Three Lakhs Forty Three Thousand and Five Hundred only) for your kind perusal and favorable action.

Thanking you,



Yours faithfully


Principal
PRINCIPAL
Jayam College of Engineering
& Technology, Nallanur,
DHARMAPURI - 636 813

Encl.

1. SSR – Five hard copies and one soft copy (CD)
2. DD.No: 860119 Dated: 31.12.15 Bank: SOUTH INDIAN
Branch: NALLANUR.

"Better Education

Better Tomorrow "

PREFACE

ABOUT US

JAYAM EDUCATIONAL, HEALTH AND CHARITABLE TRUST was founded in the year 1996. The registered office and Educational Institutions of the trust are located at Nallanur, Pennagaram Taluk, Dharmapuri District, Tamilnadu.

Jayam Educational, Health And Charitable Trust was established with the prime object to impart quality technical education to the rural populace of Dharmapuri District besides other parts of Tamil Nadu. The trust also decided to establish an engineering college for the benefit of the children of farmers and peasants.

To achieve the above end Jayam Educational, Health And Charitable Trust, comprising dedicated, sincere and hardworking philanthropists worked diligently to start an Engineering College at Nallanur Village, Pennagaram Taluk, Dharmapuri District.

THUS “JAYAM COLLEGE OF ENGINEERING AND TECHNOLOGY” CAME INTO BEING IN THE YEAR 1998.

AFFILIATIONS/CERTIFICATIONS

- The college offers programmes approved by AICTE and is permanently affiliated to Anna University.
- Five of the seven B.E / B.Tech programs are accredited by the National Board of Accreditation (NBA).
- Five UG Programs and One PG Program are permanently affiliated to Anna University Chennai.
- The college has also obtained the ISO 9001:2008 Certification.

COURSES OFFERED

The college offers the seven Bachelors and nine Masters Degree Courses in Engineering / Technology, Management and Computer Applications.

INFRASTRUCTURE

- The campus is situated on Dharmapuri – Hogenakkal state highway (20 km from Dharmapuri town).
- The College is spread across 29.14 acres land with 4.76 lakhs square feet of constructed area.
- The college has modern laboratory facilities, well equipped library with a huge collection of National and International books/journals/magazines, e-books project reports and other reading materials.
- The campus is Wi-Fi enabled with internet connectivity of 20 Mbps.
- Separate hostel facilities for boys and girls students are available. The hostels offer hygienic, tasty and homely food both vegetarian and non vegetarian.
- Ambulance facility is available(24*7).
- The college also has a Research and Development cell, Hi-Tech Indoor stadium/Auditorium facilities, seminar halls with audio and video facilities and Gymnasium for boys and girls.
- Adequate facilities are available for outdoor games.
- The college has well qualified and committed teaching faculty to teach students their specialized subjects apart from good moral and ethical values to groom them as responsible citizens besides equipping them to compete at higher levels.

GENERAL

At present, around 2200 Engineering and Management students are on the rolls. As on date the college also has 212 qualified and committed faculty.

Many of the students are children of farmers who would have been peasants otherwise. Many from our alumni are now occupying important positions in various MNCs and corporates within the country and abroad.

The college has so far produced more than 3,000 engineers in the service of the country. It gives us immense satisfaction.

PLANS

With a view to achieving higher academic excellence, Jayam College of Engineering and Technology has committed itself to apply for Accreditation status awarded by the NAAC. Self Study Report (SSR) is accordingly hereby submitted to NAAC.

We look forward to visit of peer team to our institution for the purpose of assessment.


PRINCIPAL

PART-A

Executive Summary

Executive Summary

Jayam College of Engineering & Technology (JCET) was established in 1998 with a vision of providing quality technical education in rural location. The campus is spread over 30 acres of lush green land which provides a perfect setting for a peaceful academic pursuit. The college has started 3 UG programmes with intake of 160 and today it has 7 UG and & 7 PG programmes in addition to Master of Computer Applications and Master of Business Management with students strength of about 2200. Among these programmes 6 were accredited in the year 2007, 2009, 2013 & 2014 by the National Board of Accreditation. The institution is also ISO 9001:2008 certified. The departments are promoted significantly by employing highly expertise and experienced persons from IIT and Anna University. Each department is organizing national conference annually. Nearly 30 faculties are pursuing research programmes to procure Ph.D. Considerable number of alumni is working as executives and managers in reputed industries. Few became successful entrepreneurs also.

Milestones of JCET

- ❖ 1998 - JCET started with MECH, ECE and CSE UG programmes
- ❖ 2001 - Introduction of IT UG programme
- ❖ 2003 - Introduction of EEE and CIVIL UG programmes
- ❖ 2004 - Introduction of Computer Science PG programme
- ❖ 2004 - Certification of ISO 9001:2000
- ❖ 2006 - Introduction of Master of Computer Applications and Master of Business Administration Programmes
- ❖ 2006 - Establishment of Wi-Fi Library in built up area of 16,600 sq.feet
- ❖ 2007 - Introduction of Applied Electronics PG programme
- ❖ 2007 - Establishment of Academic Block with built up area of 67,000 sq.feet
- ❖ 2007 - Accredited by NBA for MECH, ECE and CSE UG Programmes
- ❖ 2009 - Introduction of AERO UG programme
- ❖ 2009 - Accredited by NBA for IT, EEE and CIVIL UG programmes
- ❖ 2009 - Fiber optic network facility for all departments with 20 Mbps speed
- ❖ 2009 - Establishment of New canteen with built up area of 23,300 sq.feet
- ❖ 2009 - Establishment of Indoor Stadium cum Auditorium

- ❖ 2010 - Introduction of Engineering design, Power Electronics and Drives PG programmes
- ❖ 2011 - Introduction of Information Technology, Thermal Engineering and Structural Engineering PG programmes
- ❖ 2011 - Sanctioning of AICTE total intake of 180 for MECH, ECE and CIVIL UG programmes
- ❖ 2011 - Sanctioning of AICTE total intake of 120 for MBA
- ❖ 2013 - Reaccreditation by NBA for ECE UG programme
- ❖ 2014 - Reaccreditation by NBA for MECH, CSE, IT and EEE UG programmes
- ❖ 2014 - MECH, CSE, EEE, ECE and CIVIL UG programmes and ME-CSE are permanently affiliated to Anna University, Chennai.

The college is located in a serene campus on nearly 4.5 lakh of sq.ft of built up area with all the requisite infrastructure in terms of class and tutorial rooms, state of the art laboratories, computer centre, library, auditorium, air-conditioned conference halls etc. The campus is Wi-fi enabled with internet connectivity of 20 Mbps. The sports infrastructure includes 10 acres of play fields, indoor stadium and gym facilities. Separate hostels for both boys and girls are available for 1000 Students. The college has a fleet of 40 buses for transporting the students, faculty and staff.

Our college is one of the most sought after colleges both by parents and students in this region. This is evident from the fact that we have consistently good admissions of students in our institution. Our students also have performed very well in the university examination and securing university ranks in each academic year.

The students also engage themselves in co-curricular learning activities such as paper presentations in national level student symposia. They have taken part in several competitions and won prizes and awards like ISTE - best student. Our faculty constantly update themselves by improving their qualifications and involve in various departmental and developmental activities.

JCET convenes national level student symposium every year. We also organize a national level conference for the faculty. Induction and orientation programmes, FDPs, NBA awareness programmes are regularly conducted. Efforts are also on to install a vibrant alumni association.

The performance of students in the area of sports and games are commendable. The college secures over all position in zonal level tournament. Our student got gold medal in best physic in Tamilnadu Inters Engineering Sports (TIES-2015). We also organized Tamilnadu Inters Engineering Sports (TIES-2009) in our campus.

To provide a complete dimension to the learning process JCET actively encourages students to participate in co-curricular and extracurricular activities. NCC, NSS and YRC are very active in our institution.

As a socially responsible institution, the management constantly works for community development. The management has provided scholarships and fee concessions to the tune of Rs.70 lakhs during the current year for meritorious students in the area of academic, sports and also for economically weak students. Modern public address systems were donated to all government higher secondary schools during the last year at the total cost of Rs 6 lakhs.

Interaction with school students in the rural area for providing guidance to face +2 examinations and selecting suitable higher education program for their future was organized.

Building Infrastructure

Principal Office



Department of
Mechanical Engineering



Department of ECE & EEE



Department of
Civil Engineering



Department of CSE



Department of
Information Technology



Department of
MBA & MCA



Great Hall



Central Library

Seating capacity : 400

Membership : DELNET

Timings:

Working days : 08-30 am to 07-00 pm

Holidays : 09-00 am to 05-00 pm

No.of titles	Total number of books	Journals		e-Books
		Print journals	e-journals	
20161	44539	128	6874	11016



Digital Library e-Journal Subscription Details

S. No	Description	No.of subscribed
1.	IEEE-ASPP	145 journals plus back files from 2000 onwards
2.	J-GATE Management	6700 indexed Free full text from 2000onwards
3.	ASTM Digital Library	47000 articles from 9 prominent engineering journals
4.	DIRF(Digital information resource foundation)	20 Titles


e-books - 11016

CDs - 2396

NPTEL Facility available



Internet & Computing Facilities

FACILITIES	AVAILABLE
Internet server	02
Data server	02
Lab Server - Linux	03
No of Client systems	1405
Internet Bandwidth	20 Mbps 1:1 dedicated leased line circuit from BSNL-ISP fully Wi-Fi enabled campus
 Microsoft campus agreement institution - from 2007	
List of Licensed Software	System software - 12 Application Software - 32



Sport Facilities

Indoor Sports Complex Cum Auditorium

Indoor Games :

- Table Tennis
- Carom
- Chess
- Shuttle Badminton



Outdoor Games :

- **Basketball**
- **Volleyball**
- **Tennis**
- **Cricket**
- **Foot Ball**
- **Throw ball**
- **Athletics**



Fitness Centre

For students to stay fit and healthy, all hostels are equipped with gym and fitness centre facilities - treadmill, exercise bikes and more of the latest fitness equipment.

The central gym for men at JCET is also equipped with body building equipment.

All gyms and fitness centers are open both in the morning and evening hours.



Boys Hostel

- Total built up area : 4897 Sq.m.
- No. of rooms : 217
- Capacity : 700 Students



Girls Hostel

- Total built up area : 3418 Sq.m.
- No. of rooms : 84
- Capacity : 300 Students



Power Supply & Backup

POWER BACKUP	DETAILS
HT Line	210 KVA Demand
Transformer	500 KVA
Generators	250 KVA- 1 No.
	125 KVA - 1 No
	62.5 KVA- 1 No
Total	437.5 KVA
UPS	196.5 KVA



Medical Centre

Human Resources:

- A Medical Doctor
- Qualified Nurse

Services :

Medicines for emergencies and first aid



College Transportation Facility

No. of Buses : 40
No. of Cars : 06
No. of Students using the facility : 1700
No. of Staff using the facility : 396



Water Purification Plant:

A RO water plant with a capacity of 2000 litres/hr, supplying drinking water to all inmates of the institution.



Student Amenities

Canteen



Mess



Stationary Store



Postal Service



ATM



Reprographic



Placement



SWOC ANALYSIS

STRENGTHS

- ❖ Our institution is 17 years old and well connected to road, rail and air ways.
- ❖ Five of our UG programmes are accredited by NBA.
- ❖ Five UG and one PG programmes are permanently affiliated to Anna University, Chennai.
- ❖ Excellent infrastructure and well equipped independent laboratories.
- ❖ Excellent library with digital resources such as databases, e-journals and e-books.
- ❖ Spacious class rooms and visual learning centre with NPTEL videos
- ❖ Experienced and dynamic faculty team with good academic background
- ❖ Systematic execution of teaching learning process and special attention for weaker students
- ❖ Value added programs are provided which enables the students to build their technical skills
- ❖ Excellent academic performance with positive progression by means of securing university ranks.
- ❖ Medical care through college dispensary.
- ❖ Organizing various activities like symposiums and conferences, workshops and seminars regularly.
- ❖ Aptitude and Placement Training for the students in the regular time table.
- ❖ MOUs with reputed industries to provide training, projects & R&D activities.
- ❖ Extension activities like NSS, NCC, and YRC etc are conducted regularly.

WEAKNESS

- ❖ Research and Consultancy activities need to be improved.
- ❖ Collaboration with foreign universities and industries need to be done to improve research activities.
- ❖ Less number of funded projects
- ❖ Even though on campus placements are consistent, there is enormous scope for achieving higher placement.

OPPORTUNITIES

- ❖ Visual learning centre can enable the students to gain knowledge through e-learning like NPTEL videos from eminent professors apart from their curriculum.
- ❖ Internships, industrial visits and inplant training in various reputed organisations paves way for the students to know about the industrial needs with which they will equip themselves to meet the needs.
- ❖ Employability training, both technical and soft skill trainings are given to the students
- ❖ Students are encouraged to participate in various competitive examinations like GATE, TANCET, GRE, AMCAT, GMAT etc.
- ❖ Faculties are encouraged by the department and institution to go for higher qualifications, research and publication of research papers.
- ❖ For rural colleges, getting university ranks is the best way to attract companies who want to associate themselves with colleges with a good record.
- ❖ Extension activities enable the students to gain team spirit, social responsibility and their role in the society.

CHALLENGES

- ❖ Being in rural background, communication skill of the students is not good
- ❖ Signing MoUs with foreign universities.
- ❖ Competition from nearby institutions in attracting the students for admissions.

Part-B

Profile of Institution

Profile of Institution

1. Name and Address of the College:

Name	JAYAM COLLEGE OF ENGINEERING AND TECHNOLOGY
Address	Hogenakkal Falls Main Road, Nallanur, Pennagaram -(Tk)
City	Dharmapuri
Pin	636813
State	Tamilnadu
Website	www.jcet.ac.in

2. For Communication:

Designation	Name	Telephone With STD code	Mobile	Fax	Email
Principal	Dr.K. Sundara Murthy	O: 04342-235181 R: 04342-235235	9965593339	04342- 235555	principal@ jcet.ac.in
Vice Principal		O: R:			
Steering Committee Co-ordinator	G.Gokula krishnan	O: R:	9750922809		jayamec@ gmail.com

3. Status of the Institution

Affiliated College	<input checked="" type="checkbox"/>
Constituent College	<input type="checkbox"/>
Any other (specify)	<input type="checkbox"/>

4. Type of Institution

a. By Gender

i. For Men	<input type="checkbox"/>
ii. For Women	<input type="checkbox"/>
iii. Co-education	<input checked="" type="checkbox"/>

b. By Shift

i. Regular	<input checked="" type="checkbox"/>
ii. Day	<input type="checkbox"/>
iii. Evening	<input type="checkbox"/>

5. It is a recognized minority institution?

Yes

No

If yes specify the minority status (Religious/linguistic/any other) and provide documentary evidence

6. Sources of funding

Government

Grant-in-aid

Self-financing

any other

7. a. Date of establishment of the college : 18/11/1997 (dd/mm/yyyy)

b. University to which the college is affiliated /or which governs the college (If it is a constituent college)

c. Details of UGC recognition:

UnderSection	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2(f)		Applied in progress
ii. 12(B)		

(Enclose the Certificate of recognition u/s 2(f) and 12 (B) of the UGC Act)

d. Details of recognition /approval by statutory /regulatory bodies other than UGC (~~AICTE, NCTE, MCI, DCI, PCI, RCI etc.~~)

Under Section /clause	Recognition / Approval details Institution /Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
F.No. Southern/ 1-2451536003 /2015 / EOA	B.E : AERO, CIVIL, CSE, EEE, ECE, MECH. B.TECH : IT M.E : STRUCT, CSE, PED, AE, ED, THERMAL. M.TECH : IT MBA MCA	18-April-2015	1 Year	

(Enclose the recognition /approval letter Annexure - I)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes No

If yes, has the College applied for availing the autonomous status?

Yes No

9. Is the college recognized?

a. By UGC as a College with Potential for Excellence (CPE)?

Yes No

If yes, date of recognition :.....(dd/mm/yyyy)

b. For its performance by any other governmental agency?

Yes No

If yes, Name of the agency National Board of Accreditation (NBA), New Delhi.

(Copy of NBA Accreditation letters for MECH, ECE, EEE, CSE & IT departments is enclosed as **Annexure -II**)

10. Location of the campus and area in sq.mts:

Location*	Rural
Campus area in sq.mts.	117925.4 sq.mts (in Acres - 29.14)
Builtup area in sq.mts.	44237 sq.mts

(*Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or incase the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- ❖ Auditorium/seminar complex with infrastructural facilities :
- ❖ Sports facilities
 - Play ground :
 - Swimming pool : Nil
 - Gymnasium :

- ❖ Hostel
 - Boys' hostel :
 - Number of hostels : 02
 - Number of inmates : 152
 - Facilities (mention available facilities) :

Wi-Fi facility, Dining Hall with TV, GYM, Emergency Care, Stationary Shop, Guest Room with Air Conditioned facility, Reading Room.
 - Girls' hostel :
 - Number of hostels : 02
 - Number of inmates : 52
 - Facilities (mention available facilities) :

Wi-Fi facility, Dining Hall, Guest Room with Air Conditioned facility, Reading Room, Stationary Shop.
 - Working women's hostel : Nil
 - Number of inmates : Nil
 - Facilities (mention available facilities) : Nil
- ❖ Residential facilities for teaching and non-teaching staff
(Give numbers available – cadre wise) : Nil
- ❖ Cafeteria :
- ❖ Health centre :

First aid, Inpatient, Outpatient, Emergency care facility, Ambulance :

Health centre staff-

Qualified doctor	Full time		Part-time	✓
Qualified Nurse	Full time	✓	Part-time	
- ❖ Facilities like banking, post office, book shops :
- ❖ Transport facilities to cater to the needs of students and staff :
- ❖ Animal house : Nil
- ❖ Biological waste disposal : Nil
- ❖ Generator or other facility for management / regulation of electricity and voltage :
- ❖ Solid waste management facility : Nil
- ❖ Waste water management : Nil
- ❖ Water harvesting :

12. Details of programmes offered by the college (Give data for current academic year)

Sl. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted
1	UG - B.E	Aeronautical Engineering	4 Years	Intermediate	English	60	5
2	UG - B.E	Civil Engineering	4 Years	Intermediate	English	180	75
3	UG - B.E	Computer Science Engineering	4 Years	Intermediate	English	120	43
4	UG - B.E	Electrical and Electronics Engineering	4 Years	Intermediate	English	60	44
5	UG - B.E	Electronics and Communication Engineering	4 Years	Intermediate	English	180	49
6	UG - B.E	Mechanical Engineering	4 Years	Intermediate	English	180	143
7	UG - B.Tech	Information Technology	4 Years	Intermediate	English	60	13
8	PG - M.E	Applied Electronics	2 Years	B.E (ECE)	English	18	7
9	PG - M.E	Computer Science and Engineering	2 Years	B.E (CSE)	English	18	4
10	PG - M.E	Power Electronics and Drives	2 Years	B.E (EEE)	English	18	6
11	PG - M.E	Engineering Design	2 Years	B.E (MECH)	English	18	1
12	PG - M.E	Thermal Engineering	2 Years	B.E (MECH)	English	18	12
13	PG - M.E	Structural Engineering	2 Years	B.E (CIVIL)	English	18	13
14	PG - M.Tech	Information Technology	2 Years	B.E (CSE)	English	18	1
15	PG - MBA	Master of Business Administration	2 Years	10+2+3With Mathematics as one of the subject in SSC	English	120	39
16	PG - MCA	Master of Computer Application	3 Years	10+2+3With Mathematics as one of the subject in SSC	English	60	3

13. Does the college offer self-financed programmes?

Yes

No

If yes, how many?

* All courses offered by the institute are self-financed

14. New programmes introduced in the college during the last five years if any?

Yes	<input checked="" type="checkbox"/>	No	-
Number	5(PG)	-	-

Degree	Courses	Year of Introduction
M.E	Engineering Design	2010
M.E	Power Electronics and Drives	2010
M.E	Thermal Engineering	2011
M.E	Structural Engineering	2011
M.Tech	Information Technology	2011

15. List the departments: (respond if applicable only and donot list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science	-	-	-	-
Arts	-	-	-	-
Commerce	-	-	-	-
Engineering	Aeronautical Engineering	B.E - Aero	-	-
	Civil Engineering	B.E - Civil	M.E Structural	-
	Computer Science Engineering	B.E - CSE	M.E - CSE	
	Electrical and Electronics Engineering	B.E - EEE	M.E - PED	-
	Electronics and Communication Engineering	B.E - ECE	M.E - AE	-
	Mechanical Engineering	B.E - Mech	M.E - ED & Thermal	-
	Information Technology	B.Tech - IT	M.Tech - IT	-
	Master of Business Administration	-	M.B.A	-
	Master of Computer Application	-	M.C.A	-

16. Number of Programmes offered under (Programme means a degree course like B.E / B.Tech, M.E / M. Tech., MBA, MCA...)

- a. annualsystem
- b. Semester system
- c. trimester Semester

17. Number of Programmes with

- a. Choice Based Credit System
- b. Inter/Multidisciplinary Approach
- c. Anyother(specify and provide details) semester system

18. Does the college offer UG and / or PG programmes in Teacher Education?

- Yes No

If yes,

a. Year of Introduction of the programme(s)..... (dd/mm/yyyy) and number of batches that completed the programme

b. NCTE recognition details (if applicable)
Notification No.:.....

Date:.....(dd/mm/yyyy)

Validity:.....

c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

- Yes No

19. Does the college offer UG or PG programme in Physical Education?

- Yes No

If yes,

a. Year of Introduction of the programme (s)..... (dd/mm/yyyy) and number of batches that completed the Programme

b. NCTE recognition details (if applicable)

Notification No. :

Date : (dd/mm/yyyy)

Validity :

c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?

- Yes No

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F				
Sanctioned by the Management / society or other authorized bodies <i>Recruited</i>	11	2	15	13	122	49	38	16	13	7
<i>Yet to recruit</i>										

*M-Male*F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.	6	1					7
M.Phil.	1		5	2	7	8	23
PG	4	1	10	11	91	40	157
UG					24	1	25

22. Number of Visiting Faculty / Guest Faculty engaged with the College.

Nil

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2011-2012		2012-2013		2013-2014		2014-2015	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	56	10	76	25	122	35	62	19
ST	1	1	2	0	0	0	1	2
OBC	543	166	652	191	506	121	306	64
General	11	19	15	5	14	6	9	1
Others	-	-	-	-	-	-	-	-

24. Details on students enrollment in the college during the current academic year.

Type of students	UG	PG	M.Phil.	Ph.D.	Total
Students from the same State where the college is located	363	86	-	-	449
Students from other states of India	9	0			9
NRI students	0	0	-	-	0
Foreign students	0	0	-	-	0
Total	372	86	-	-	458

25. Drop out rate in UG and PG (average of the last two batches)

UG PG

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component
 (b) excluding the salary component

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes No

If yes,

a) Is it a registered centre for offering distance education programmes of another University?

Yes No

b) Name of the University which has granted such registration.

c) Number of programmes offered

d) Programmes carry the recognition of the Distance Education Council.

Yes No

28. Provide Teacher – student ratio of each of the programme /course offered

S. No	Name of the Programme	Intake of all year put together		No. of faculty on rolls	Teacher Student Ratio	
		Sanctioned	Admitted		Sanctioned	Admitted
1	B.E / B.Tech Courses	3360	2076	171	1:20	1:12
2	M.E Programmes	252	93	21	1:12	1:04
3	MBA	240	78	8	1:30	1:10
4	MCA	180	99	12	1:15	1:08

29. Is the college applying for Accreditation?

Cycle1 Cycle2 Cycle3 Cycle4
Re-Assessment:

(Cycle1 refers to first accreditation and Cycle2, Cycle3 and Cycle4 refers to re- accreditation)

30. Date of accreditation*(applicable for Cycle2, Cycle3, Cycle4 and re-assessment only)

Cycle1: (dd / mm / yyyy) Accreditation Outcome / Result.....

Cycle2: (dd / mm / yyyy) Accreditation Outcome / Result.....

Cycle3: (dd / mm / yyyy) Accreditation Outcome / Result.....

****Kindly enclose copy of accreditation certificate(s and peer team report(s) as an annexure.***

31. Number of working days during the last academic year.

259

32. Number of teaching days during the last academic year

(Teaching days means days on which lectures were engaged excluding the examination days)

185

33. Date of establishment of Internal Quality Assurance Cell (IQAC)

IQAC 15.06.2015 (dd/mm/yyyy)

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR (i) (dd /mm /yyyy)

AQAR (ii) (dd /mm /yyyy)

AQAR (iii) (dd /mm/yyyy)

AQAR (iv)(dd/mm/yyyy)

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)

Part-C

Criterion Wise Reports

CRITERION - I

CURRICULAR ASPECTS

- 1.1. Curriculum Planning and Implementation**
- 1.2. Academic Flexibility**
- 1.3. Curriculum Enrichment**
- 1.4. Feedback System**

1.1. Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Jayam College of Engineering and Technology was established in 1998 as a private, self-financing institution in backward district of Tamil Nadu. The institution was established with the noble idea of imparting technical education and skills to the rural students.

VISION

Better Education,
Better Tomorrow

MISSION

To evolve as a center of academic and research excellence by providing quality education through modern and best infrastructure facilities and to serve the rural people, the nation and the world, through our professional graduates who are energized to become leaders, innovators & entrepreneurs in their profession

OBJECTIVE

The objective of our institution is to impart quality education by establishing a system of quality assurance and enabling to continuously improve the teaching - learning processes to enhance student's skills and talents for their exemplary contribution to the society, the nation and the world.

Communication to the stakeholders

The Vision, Mission and the Objective of the college are disseminated to the students, teachers, staff and other stakeholders in the following ways.

- The vision and mission are displayed in all departments and common places of the college.
- It is also communicated through prospectus, college calendar, e- souvenirs of symposia, seminar, conference, workshop etc.
- It is also displayed in the college website, and advertisements of the college.
- It is also highlighted in the orientation programmes, intercollegiate fests, parent-teacher meet and other important gatherings.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

The institution meticulously develops action plans for effective implementation of the curriculum. At the outset, the planning committee of the college conducts prolonged meetings with the various department heads and members to develop strategies for effective implementation of the curriculum.

Faculties are encouraged to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, seminars, NPTEL videos, lesson plan method apart from regular/traditional chalk and talk methods.

The detailed process is as given below:

- Curriculum and syllabus are prescribed by the university.
- Allocation of the subjects to the faculty is done by taking into consideration, the faculty qualifications, subjects, specialization, experience and their willingness.
- Lesson plans are prepared by individual faculties for the subjects they are handling, including the laboratory within the domain of the academic schedule.
- The academic schedule is strictly followed as per the calendar.

Curriculum from ANNA University	Receipt of programme wise curriculum syllabus & Academic Schedule for the session from University
Identification of changes made by University	Study of the syllabus for the semester by Concerned HOD / team of senior faculty level for identification of changes if any in the existing one
Preparation of Academic Calendar	Formulation of institution's Academic Calendar for the semester by academic coordinators with reference to University schedule
Course Allotment to the Faculties	Allotment of the course to the faculties based on Preferences given by faculties and suggestion from department HOD.
Preparation of course file	Course files for individual subjects will be prepared by faculty members, which contains Schedule of lesson plan, Subject notes, mark sheets, previous year question papers of university etc.,
Preparation and Notification of class time table	preparation and Notification of class time table to faculty & student through display or notice boards
Conducting Regular classes	Conducting Regular lecture/Practical classes as per Time Table
Monitoring and Evaluation of Teaching Learning Process	Conduct of monthly review meeting by HOD with faculty members regarding progress on syllabus coverage, feedback to faculty
Refining and taking Corrective Measures based on Evaluation	Action plan and Corrective Measures will be prepared based on evaluation result to betterment of teaching learning process
Preparation of Students and Allowing them into University Examination Process	Training the Students for University exams by conducting internal exams as per the directions from University and college academic cell.
Analysing the University Exam Results	Analysing University results to review the teaching learning system and make action plan for future development

- Lesson plans are prepared by the faculty which includes
 - List of topics with planned date
 - Teaching aids
 - Teaching methods
 - Content beyond the syllabus
- Detailed course files are prepared by the faculty which includes
 - Syllabus with text and reference books
 - Course Outcomes (CO)
 - Lesson plan with course delivery methods
 - Time table
 - List of students
 - University question papers
 - Question bank
 - Power point slides
 - Internal Assessment Tests /Model exam mark

- Internal Assessment Test question papers with answer keys
 - Assignment question papers
 - Sample answer scripts
 - Sample assignments
- Academic calendar is prepared and circulated to the departments for the entire semester based on the guidelines given by Anna University.
 - Academic calendar includes details like commencement of semester and ending of the semester, Internal Assessment tests, submission of question bank, college functions etc.
 - The progress of syllabus coverage is monitored periodically at various levels. Student assessment register (Log book) are maintained by subject handling faculty which contains entries like topics covered, attendance, unit test marks, internal assessment marks, assignment and seminars handled by students. The student assessment register are monitored by the HoDs and the Principal.
 - In addition to the curriculum, students are educated about the latest developments in their respective fields through guest lectures by industry experts, industrial visits etc.
 - Periodical feedback is obtained from the students to enhance the teaching-learning process.
 - Regular class committee meetings are held by the heads of the department to review the teaching learning process, academic progress of the students, grievances if any, and suitable remedial measures are taken as and when necessary.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and / or institution) for effectively translating the curriculum and improving teaching practices?

- The institution follows the curriculum prescribed by the Anna University. The university provides syllabus, text books, and reference books for ready reference. Sufficient time duration is allocated to complete the entire syllabus.
- The curriculum is well transacted with the students after serious preparation as well as critical thought by the faculty concerned. Being an affiliated institution,

we are always updated with the latest norms and guidelines prescribed by the affiliating university.

- The institution encourages the faculty to keep themselves updated by enrolling for the refresher courses, orientation programs, faculty development programs and workshops.
- The institution provides sufficient books and other teaching and reference material like journals, magazines and software to enable faculties to ensure effective delivery of curriculum.
- Faculties are also encouraged to use the NPTEL resources.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

- Well planned academic calendar with necessary instructions are given to all the students at the beginning of the semester with all norms and assessment schemes.
- The college faculties are trained to use the modern teaching aids such LCD projectors to supplement their class room lectures.
- All the faculty members are well habituated to teach using modern teaching resources like NPTEL, digital library, etc.
- In addition to the regular subject classes, the college also organizes special lectures by inviting experts from various fields to share their knowledge and experiences with the students.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

- The institution has placement cell which networks and interacts with the representatives of industry. The HR managers and industry professionals are regularly invited to the campus to interact with the students on career challenges and opportunities.
- To enrich the knowledge of students, to meet the content beyond the syllabus and to gain knowledge on the recent trends, regular guest lectures and seminars by eminent industry personalities are conducted.

- As part of industry academia interface, periodical industrial visits and educational tours are organized for the students to bridge the gap between academia and corporates. Few recent activity details are given in the tables.

List of Industries Visited by our students:-

S.No.	Year	Industry Visited	Department
1	2015	Sri Kumaran Alloys	MECH
2	2015	Reconditioning Unit, TNSSTC, Dharmapuri	MECH
3	2015	TTK Prestige Ltd.	MECH
4	2015	Dynamatics, Bangalore	AERO
5	2015	ISRO Bangalore	ECE
6	2015	Hogenakkal Water Plant	CIVIL
7	2015	Steel Plant - Salem	MECH
8	2014	Tanflora Infrastructure Park Ltd, Hosur	MBA
9	2014	Kerala Co-operative Milk Marketing Federation Ltd. (MILMA), Kochi	MBA
10	2014	HMT Machine Tools, Kochi	MBA
11	2014	Covanta Power Plant Pvt. Ltd., Samalpatti	EEE
12	2014	Salem Aerospace, Salem	AERO
13	2014	Indian Institute of Astro Physics	ECE
14	2014	Pranas Technologies Pvt. Ltd, Coimbatore	CSE
15	2013	Hindustan coca cola Beverages Pvt. Ltd, Bangalore	MBA
16	2013	Easunrey Rolle Sipcot, Industrial Complex	EEE
17	2013	Deccan Industry, Coimbatore	EEE
18	2013	Salem Airport	AERO
19	2013	Water Treatment Plant - Coimbatore	CIVIL
20	2013	Drinking water treatment Plant- Hogenakkal	CIVIL
21	2013	Salem Airport - Salem	CIVIL
22	2013	Neolysi Technologies Pvt Ltd, Chennai	CSE
23	2013	M square Solutions, Coimbatore	CSE
24	2013	Mazenet Solutions, Coimbatore	CSE
25	2012	IIM, Bangalore & Bangalore Dairy	MBA
26	2012	Covanta Power Plant Pvt. Ltd., Samalpatti	EEE
27	2012	DMW CNC Centre	MECH
28	2012	District Co-operative Sugar Mill	MECH

29	2012	SAIL Salem plant	MECH
30	2012	Thaneja Aero space	AERO
31	2011	110KV Substation at Udumalpet	EEE
32	2011	BHEL Trichy	MECH
33	2011	HAL Bangalore	AERO
34	2011	Water treatment Plant- Pillur	CIVIL
35	2011	BSNL - Salem Telecom	CIVIL
36	2011	NDOT Technologies Pvt. Ltd	IT
37	2014	Thoughts Work Technologies , Bangalore	IT
38	2014	MindTree Technologies, Bangalore	MCA, CSE, IT, MECH, CIVIL, ECE, EEE

- To have regular interaction with the industries MoUs are signed with the industries.

List of MOUs signed industries with JCET:-

S.No.	Name of the organization	Department	Year	Purpose
1	CARTEL Automation Pvt,Ltd.	EEE	2015	Industrial training
2	Barola Aero Sports	AERO	2014	Project training
3	Mind Tree Technoloigies	MCA/CSE/IT	2014 & 2015	Training and placement
4	Pinnacle Engineering Solution	MECH	2014	Placement and industrial visit assistance
5	ICT Academy Tamilnadu	MBA	2014	BFSI Training
6	CADD Center, Dharmapuri	CIVIL	2014	Software training
7	Tally, ERP	MBA	2013& 2015	Training on Tally and ERP software
8	CADD Center, Dharmapuri	Civil	2013	Softwares training
9	Neolysis Technology	MCA/CSE/IT	2012	Training and placement
10	Numeric Institute of NC/CAM/CAD	MECH	2011	Skill development
11	I ² SOLUTIONS	EEE	2011	Project work

- To explore the latest trends in industry experts are invited periodically.

Guest lectures and seminars by eminent industry personalities:-

S.No.	Year	Title	Lecture By
1	2015	Non Destructive Testing	Mr. R. Jayaseelan, TWG Metal Testing Lab, Chennai
2	2015	Aerodynamics	Captain. Jayanth
3	2015	Electrical project design circuit	Representative from live wires.
4	2015	Quality Management & Managerial Excellence	Mr. K. Babu
5	2014	Control systems	Dr. Murali, Professor, GCE Salem
6	2014	Power Electronics controller	Dr. K. Srinivasan, Industrialist, Chennai
7	2014	Shades of leadership	Mr. Thomas Smith, Rotarian
8	2014	Logistics Management	Mr.Selvam, Euro Exim India Pvt. Ltd
9	2014	Indian Space Program	Prof. N. Thiyagarajan Retd. Scientist ISRO
10	2014	Green Engineering Technology	Mr. Arun V Jalan, Kotak Power Ltd.
11	2013	Embedded based ARM 7 PROCESSOR	Dr. J. Christy Mano Raj, Professor, GCE Salem
12	2013	Advance Optimization Techniques	Dr. R. Sasikumar

1.1.6 What are the contributions of the institution and / or its staff members to the development of the curriculum by the University? (Number of staff members / departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc).

- As an affiliated institution we are bound by the curriculum designed and deployed by the Anna University, Chennai.
- Specific suggestions received from students, alumni, parents, industry etc. are analyzed and conveyed to the University to consider the same in their Board of Studies meetings.
- Feedback collected from the faculty are also taken into consideration and forwarded to the University and Programme Assessment Committee.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If yes, give details on the process (“Needs Assessment”, design, development and planning) and the courses for which the curriculum has been developed.

- **No.** As the college is affiliated to Anna University, we adhere to the syllabus prescribed by the university. However, arrangements are made to meet the global trends through projects, industrial visits, guest lectures, workshops, faculty development programmes, participation in seminars, symposiums, technical fests, national and international conferences by students and faculty.

1.1.8 How does institution analyze / ensure that the stated objectives of curriculum are achieved in the course of implementation?

- Each programme is having Program Educational Objectives (PEOs), Program Outcomes (POs) and all courses have Course Outcomes (COs) to the expectation of the curriculum.
- The college conducts unit tests, internal assessment tests and a model examination to gauge the understanding of the students related to the curriculum. Students who require assistance are identified and taken care of separately.
- Further, students’ oral feedback is obtained during the class committee meetings held periodically.
- The Heads of the departments and academic coordinators periodically review the progress in the syllabus completion and also the performance of the students.
- All the faculty members of the institution follow the lesson plan for the successful completion of the syllabus.
- Periodic ISO audits also helps in analyzing the status of the achievements pertaining to the objectives of curriculum.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate / diploma / skill development courses etc., offered by the institution.

In addition to the regular curriculum value added courses are conducted to achieve the goals and objectives of the institution.

- Our institution has established Mind Tree Innovative Learning Center (MILC) in the campus with the support of MINDTREE Technologies which is an IT services and consultancy company located in Bangalore. Every year a set of students are identified and trained by RADIX learning Pvt. Ltd. Bangalore.
- To improve the technical and employability skills the following programmes were conducted.

Value added program details			
S. No.	Training Course	No. of Participants	Trainer Name
2011-2012 Semester-II			
1	In house training/embedded systems	40	Dr. Christy Mano Raj
2	Entrepreneurship development program	45	Mr. K.Parivallal
3	EACS program	54	Mr. R.Hariharan
4	Industrial relations	60	Mr. G.Elaiyarajavel
5	Engineering ethics	48	Mr. P.Premkumar
6	Project training	14	Mr. M.Subramanian
7	Middleware technology	25	Mr. T.Sathiyaraj
8	Green computing	40	Mr. T.Senthil Kumar
2012-2013 Semester-I			
1	Open source software	100	Dr. T. Lalitha
2	Software testing tools	25	Mr.A.Madesh
3	IITB Spoken tutorial	40	Mrs. P.Reshmi,
4	Open source tools and components	80	Mr.Veerapuram Vardhan
2012-2013 Semester-II			
1	Android programming & application development	90	Dr. T. Bakiyavathi
2	Android programming development	80	Dr. M. Ramesh
3	Unleashing the cloud & virtualization	25	Mr R. Krishnan Rajagoplan
2013-2014 Semester-I			

1	Net programme	100	Mr. T. Prabakaran
2	Web development	80	Mr. T. Prabakaran
3	Android Programming & Application Development	60	Mr. Adarsh Rajput
2013-2014 Semester-II			
1	Java programming	80	Mr. A. Madesh
2	PHP	80	Mr. P. Kannan
3	C#.NET	44	Mr. K. Sabari
4	Advance DBMS	44	Mr. R. Gopal
5	Focus Academy for career Enhancement (FACE) - Quantitative Aptitude Training	47	Mr. G. Hari Prasad
2014-2015			
1	Focus Academy for career Enhancement (FACE) - Quantitative Aptitude Training	10.09.2014 to 17.09.2014 & 47 Students	Mr. G. Hari Prasad, HR Executive, Face Academy.
2	Mind Tree - Mind Tree innovative Training program, Bangalore - Corporate Training and placement	10.10.2014 & 80 students	Shri. Janakiraman, CTO, Mind Tree
3	Idayam Group - Business Development Analyst	09.09.2014 & 60 students	Mr. V. R. Muthu, Chairman and MD, Idayam group
4	Software skill development program	23.08.2014 & 09 Students	Google Apps
5	Raman International Institute of Information Technology, Mysore -Positive Thinking and Right Carrier	15.04.2015 & 80 Students	Mr. S. V. Venkatesh, MD & CEO Raman International Institute of Information Technology, Mysore
6	Raman International Institute of Information Technology, Mysore -Internships and placement	17.04.2015 & 45 Students	Mrs. V. Monika, Academy Relations
7	Entrepreneurship Development Programme	13.08.2015 & 14.08.2015 500 students	Subash Priusty, Manager A. Arul Prabhakar, Asst. Manager, NSIC

1.2.2 Does the institution offer programmes that facilitate twinning/dual degree? If yes, give details.

No. The institution does not offer programmes that facilitate twinning/dual degree since it is affiliated to Anna University.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

- **Range of Core / Elective options offered by the University and those opted by the college.**
 - **Choice Based Credit System and range of subject options**
 - **Courses offered in modular form**
 - **Credit transfer and accumulation facility**
 - **Lateral and vertical mobility within and across programmes and courses**
 - **Enrichment courses**
-
- **Range of Core / Elective options offered by the University and those opted by the college**

As per the Anna University curriculum the students must compulsorily register for all the core subjects prescribed. All the students have the choice of selecting their own elective subjects from the list of subjects offered by the affiliating university. The elective subjects offered are based on the latest technological trends and industrial needs so that at the end of the programme, the student will be conversant with those advanced topics and will be ready to handle the needs of the industry.

The following table shows the number of core and electives courses offered. For each of the elective subjects, the students have a range of 8 to 10 subject choices for all the programs offered.

Under Graduate Programmes

PROGRAMME	SEMESTER	CORE, ELECTIVE & LABS
AERO	I	6 Core+ 4 Labs
	II	6 Core+ 4 Labs
	III	6 Core+ 3 Labs
	IV	6 Core+ 4 Labs
	V	6 Core+ 4 Labs
	VI	5 Core +1 Elective + 3 Labs
	VII	4 Core + 2 Elective + 3 Labs
	VIII	1 Core+ 2 Elective + 1 Project
CIVIL	I	6 Core+ 3 Labs
	II	6 Core+ 2 Labs
	III	6 Core+ 2 Labs
	IV	6 Core+ 3 Labs
	V	6 Core+ 3 Labs
	VI	5 Core+1 Elective+2 Labs
	VII	4 Core+2 Elective +2 Labs
	VIII	1 Core+ 2Elective +1 Project
CSE	I	6 Core+ 3 Labs
	II	6 Core+ 3 Labs
	III	6 Core+ 2 Labs
	IV	6 Core+ 3 Labs
	V	5 Core+ 3 Labs
	VI	5 Core+1 Elective+3 Labs
	VII	4 Core+2 Elective+2 Labs
	VIII	2 Elective +1 Project
EEE	I	6 Core+ 3 Labs
	II	6 Core+ 3 Labs
	III	6 Core+ 2 Labs
	IV	6 Core+ 2 Labs
	V	6 Core+ 3 Labs
	VI	5 Core+1 Elective+2 Labs
	VII	5 Core+1 Elective+2 Labs
	VIII	1 Core+ 2 Elective +1 Project
ECE	I	6 Core+ 3 Labs
	II	6 Core+ 2 Labs
	III	6 Core+ 2 Labs
	IV	6 Core+ 3 Labs
	V	5Core+ 3 Labs
	VI	5Core+1 Elective+3 Labs
	VII	3Core+3Elective+2 Labs
	VIII	2Elective +1 Project
IT	I	6 Core+ 3 Labs
	II	6 Core+ 3Labs
	III	6 Core+ 3 Labs
	IV	5 Core+ 3 Labs
	V	5 Core + 1 Elective +3 Labs
	VI	5 Core+1 Elective+3 Labs
	VII	4 Core+2Elective+2 Labs

	VIII	2 Elective +1 Project
MECH	I	6 Core+ 3 Labs
	II	6 Core+ 3 Labs
	III	6 Core+ 3 Labs
	IV	6 Core+ 3 Labs
	V	6 Core+ 3 Labs
	VI	5 Core+1 Elective+3 Labs
	VII	4 Core+2 Elective+2 Labs
	VIII	1 Core+ 2Elective +1 Project
M.E. (AE)	I	4 Core+2Elective+1 Lab
	II	4 Core+2Elective+1 Lab
	III	1Core+2Elective+1 Project
	IV	1 Project
M.E. (CSE)	I	4 Core+2Elective+2 Lab
	II	4 Core+2Elective+2 Lab
	III	1Core+3Elective+1Project
	IV	1 Project
M.E. (ED)	I	5 Core+1 Elective+2 Lab
	II	4 Core+2 Elective+1Lab
	III	3Elective+1Project
	IV	1 Project
M.E. (IT)	I	6 Core+3 Lab
	II	4 Core+2 Elective+3 Lab
	III	1 Core+2 Elective+1 Project
	IV	1 Project
M.E. (PED)	I	5 Core+1Elective
	II	4 Core+2Elective+1 Lab
	III	1 Core+2Elective+1 Project
	IV	1 Project
M.E. (TE)	I	4 Core+2Elective+2Lab
	II	4 Core+2Elective+1 Lab
	III	3 Elective+1 Lab +1Project
	IV	1 Project
M.E. (SE)	I	4 Core+2 Elective
	II	4 Core+2 Elective+1Lab
	III	3 Elective+2Lab+1 Project
	IV	1 Project
MCA	I	5 Core +3 Labs
	II	5 Core +3 Labs
	III	5 Core +3 Labs
	IV	4 Core + 1Elective + 3 Project
	V	3 Core + 2 Elective + 3 Project
	VI	1 Project
MBA	I	8 Core
	II	7 Core+1 Lab
	III	2 Core+6 Elective+2 Lab
	IV	2 Core +1 Lab + 1 Project

➤ **Choice Based Credit System and range of subject options**

No.

➤ **Courses offered in modular form**

All the courses / syllabi are in modular form as per the university curriculum

➤ **Credit transfer and accumulation facility**

No.

➤ **Lateral and vertical mobility within and across programmes and courses**

The students are given absolute freedom to move across various disciplines for their project work. The students may choose their project guide from department of the college and can also use any laboratory equipment available on campus for purpose of project work/research.

The institution provides academic flexibility to the students in terms of undertaking projects in allied departments and also in industries / research organizations, thereby encouraging inter-disciplinary oriented work and also work relevant to industry.

➤ **Enrichment courses**

- ❖ Enrichment courses in the form of seminars and workshops are offered to our students as and when required.
- ❖ The college offers value added courses to make the students to have hands on experience and to be readily placed in the industry.
- ❖ Communication skills and soft skills programmes are conducted which is beyond the prescribed curriculum and has improved the employability of our students.

1.2.4 Does the institution offer self-financed programmes? If yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

The college is a self-financing institution and all the programs are offered as self-financed programs. However, students' get various scholarships from the Government and from the Management.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If yes provide details of such programme and the beneficiaries.

Yes, the institution offers skill oriented programmes relevant to regional and global employment markets as follows.

- Soft skill development programmes
- Quantitative, logical and analytical skill development programmes
- Value added courses in core areas
- Implant training and Industrial visits
- Project exhibitions

List of events organized is follows

S. No	Program	Participants	No. of Participants	Date
1	Green Computing	Students of CSE	40	02.11.2011
2	In house training / Embedded systems	Students of Mechanical Engineering	50	05.12.2011 to 09.12.2011
3	IITB Spoken Tutorial	Students of CSE	40	21.12.2011
4	Entrepreneurship Development program	Students of Mechanical Engineering	45	30.12.2011
5	Project planning Management	Students of CIVIL,EEE, ECE	66	26.01.2012
6	EACS program	Students of Mechanical Engineering	30	28.02.2012
7	Recent trends in power system and SCADA	Students of EEE	69	28.02.2012
8	Recent trends in power system and SCADA	Students of EEE	69	28.02.2012
9	Development of self confidence.	Students of EEE	60	17.03.2012
10	Power quality	Students of EEE	62	11.03.2012
11	Industrial relations	Students of Mechanical Engineering	30	20.07.2012
12	Embedded system	Students of EEE	66	26.09.2012
13	Engineering awareness for school students	Students of EEE	120	20.10.2012
14	Engineering Awareness for school students	Students of EEE	120	20.10.2012

15	Engineering Ethics	Students of Mechanical Engineering	100	04.02.2013
16	Awareness in Electrical Equipment Handling	Students of EEE	60	06.02.2013 to 09.02.2013
17	Awareness in electrical equipment handling	Students of EEE	66	06.02.2013 to 09.02.2013
18	Unleashing the cloud & virtualization	Students of CSE	80	01.03.2013 to 13.04.2013
19	Electrical Machine design	Students of EEE	62	07.04.2013
20	Embedded systems	Students of EEE	66	12.07.2013
21	Embedded systems	Students of EEE	62	26.09.2013
22	Cloud Computing	Students of CSE	80	28.02.2014 & 01.03.2014
23	PLC automation	Students of EEE	120	04.08.2014
24	Liner integrated circuit	Students of ECE	66	15.10.2014
25	Power Quality	Students of EEE	62	11.03.2015
26	Big Data Analysis	Students of CSE	30	18.03.2015
27	Introduction to aero modeling and UAC carrier	Students of EEE	10	14.08.2015

These programmes ensure that the students are adequately skilled and more employable. While designing these additional programmes it is ensured that they suit the global employment market demands as well as the local demands.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice If Yes, how does the institution take advantage of such provision for the benefit of students?

No, since the institution is affiliated to Anna University there is no provision for flexibility of combining the Distance Mode of Education for conventional face-to-face and students to choose the courses/combination of their choice.

1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University's curriculum to ensure that the academic programmes and Institution's goals and objectives are integrated?

To reach out to the goals and objectives, the institution has evolved additional inputs in the syllabi to face the current trends in competitive areas. The institution supplements the university curriculum by conducting the following academic programmes to achieve the institution goals and objectives:

- Workshops and seminars
- Coverage of topics beyond the syllabus in theory subjects experiments beyond the syllabus in practical subjects.
- Long term training in soft skills.
- Long term training in technical skills.
- Long term training in quantitative, logic and analytical skills
- Training in computer based subjects
- Value added courses
- Expert lectures
- Communication skills classes

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

- The training and placement cell of the college regularly interacts with the HR managers of companies and collects first hand information about the demands and expectations of the corporate sector regarding skill set of students.
- Alumni feedback is taken periodically to understand the recent market trend and events are arranged accordingly.
- To develop the required skills, brainstorming sessions are held for the faculty to design the tools in the areas of spoken English, use of computers and providing in-depth knowledge in the respective subjects.
- Based on the feedback special training and tailor made orientations are conducted to enable the students to achieve the global standards.

- The institution is completely computerized at the administration and academic levels.
- Computer labs are well equipped with latest computers. Internet facility is made available in all the departments.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

The institution adopts the curriculum designed by the university to develop competency, obtain employment and promote research among students and the teaching fraternity.

Both girls and boys are encouraged to work together in various curricular, co-curricular, sports activities. There is no discrimination made in offering the various committees to girls & boys.

All branch students are learning the subject called Environmental Science and Engineering. The objective of this course is to learn about the study of nature and the facts about environment

The college is keen in maintaining the environmental condition by:

- Rainwater harvesting
- Tree plantation

Community developmental activities like blood donation campus, eye camp and AIDS awareness programmes are conducted by NSS units of our institution to contribute to community and national development

ICT and Computer fundamentals are taught as a part of the curriculum. Apart from this separate computer centers are available for students to enhance their computer based skills.

1.3.4 What are the various value- added courses / enrichment programmes offered to ensure holistic development of students?

- **Moral and ethical**
- **Values**
- **Employable and life skills**
- **Better career options**
- **Community orientation**

Moral and ethical values

Frequent classes on moral and ethics in profession are conducted. Speakers are invited to speak on behavioral, moral and ethic values.

Employable and life skills

Short term courses on communication skills, skill development programmes, value added courses, projects and presentations; publishing ventures such as newsletters by students are sometimes taken to enhance the employability.

Workshops are organized in the institution on lifestyle and yoga. The institution also regularly organizes workshop on stress management by qualified professionals.

Better career options

Separate training and placement cell is functioning in the campus. They organize different seminars and workshops for describing different career paths of the student.

Community orientation

NSS camps are organized for the students every year. Social issues and plantation of trees are given importance during the camps.

Blood donation camp is organized by NSS frequently. The students come forward and donate blood for the benefit of the public.

The students organize different campaigns to keep the city clean and hygienic. Community developmental activities like AIDS awareness programmes, waste management programmes contribute to community and national development and also create awareness about ecology and environment.

Red Ribbon Club and YRC activities motivate youth and build their capacity by peer educators.

S.No	Name of the activity	Venue	Date(s)	No. of students participated
Academic Year 2011-2012				
1	Independence day	JCET	15.08.2011	500
2	Blood donation camp	JCET	24.09.2011	81
3	Eye screening camp	JCET	06.10.2011	250
4	Cadre camp	Anna University	09.02.2012 & 10.02.2012	41
5	Swimming camp	Rajaji Swimming Pool	16.02.2012	38
6	C Certificate examination	Anna University	25.02.2012 & 26.02.2012	15

7	B' Certificate examination	Anna University	10.03.2012 & 11.03.2012	8
8	Firing training	Air Force, Thambaram	Air Force	7
Academic Year 2012-2013				
1	Campus cleaning	JCET	17.06.2012	50
2	Blood donation camp	JCET	01.07.2012	75
3	NSS day celebration	JCET	24.07.2012	100
4	Tree plantation	JCET	25.07.2012	50
5	National cancer awareness camp	JCET	07.11.2012	50
6	AIDS day awareness	JCET	01.12.2012	100
7	Road safety awareness	JCET	25.12.2012	100
8	Child labor awareness	JCET	05.06.2013	100
9	National voter day	JCET	21.06.2013	100
10	Women's day	JCET	08.03.2013	100
Academic Year 2013-2014				
1	Blood donation camp	JCET	24.09.2013	90
2	Campus cleaning	JCET	04.10.2013	100
3	National voter day	JCET	24.01.2014	100
4	Special camp	Kuthapadi village, Pennagaram	15 to 21.03.2014	50
5	NCC day	JCET	22.11.2013	52
6	Save power energy rally	JCET	22.11.2013	44
7	Combined annual training camp	KSR College of Engineering	21.06.2013	24
Academic Year 2014-2015				
1	Blood donation camp	JCET	24.09.2014	108
2	Swacha Bharat Abiyaan	JCET	01.10.2014	100
3	Tamil manne vanakam	JCET	30.10.2014	800
4	National voter day	JCET	24.01.2015	150
5	YRC blood donation camp	JCET	04.02.2015	101
6	Thandai periyar movie	JCET	05.03.2015	250
7	Eye screening camp	JCET	11.03.2015 & 12.03.2015	450
8	Combined annual training camp	Holy cross higher secondary school, Salem	26.09.2014	10
9	National yoga day	JCET	21.06.2015	50

S.No	Activity	Date of Activity	Photo
Academic Year 2011-2012			
1	Blood donation camp	24.09.2011	
2	Eye screening camp	06.10.2011	
Academic Year 2012-2013			
1	Campus cleaning	17.06.2012	
2	Blood donation camp	01.09.2012	
3	NSS day celebration	24.09.2012	
4	Tree plantation	25.09.2012	
5	National cancer awareness camp	07.11.2012	

6	AIDS day awareness	01.12.2012	
7	National voter day	21.06.2013	
Academic Year 2013-2014			
1	Campus cleaning	04.10.2013	
2	Special camp	15 to 21.03.2014	
Academic Year 2014-2015			
1	Swacha Bharat abhiyaan	01.10.2014	
2	Tamil manne vanakam	30.10.2014	
3	National voter day	24.01.2015	

4	Eye screening camp	11,12.02.2015	
5	Combined Annual Training Camp	26.09.2014	
6	National yoga day	21.06.2015	

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

Since our college is already accredited by NBA, we have framed vision and mission of the college and department. Also at the department level, we have framed Programme Educational Objectives (PEO) and Programme Outcomes (PO). To evaluate the achievement of PEOs and POs the following feedbacks are collected

- **Alumni Feedback:** To fill the gap between industry and academics, every year the institution organizes Alumni Meet in which feedback is collected to enrich the curriculum.
- **Student Feedback:** At the end of each semester, a feedback from every student is taken.
- **Employers' Feedback:** We organize curriculum development workshop, where we invite employers. Their feedback is collected during these interactions.
- **Parents' Feedback:** We arrange parents meet twice in a semester for sharing the performance of students. During this meet parent feedback is collected.
- **Governing Council:** Regular Governing Council meetings are held in the institution and many advises and suggestions are discussed and approved.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

The institution monitors and evaluates the quality of its programmes by collecting feedback from students, parents, industries, etc.

Feedback is also taken on all the enrichment programmes like seminars workshops value added programmes etc., and suitable modifications are carried out wherever necessary.

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

- There is no scope for framing institution's curriculum on its own, since institution is an affiliated college to Anna University, Chennai.
- However, to meet the requirements of industries our institution is offering programmes to enhance the domain skills required by the industry.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on curriculum? If yes, how is it communicated to the University and made use internally for curriculum enrichment and introducing changes / new programmes?

- Yes. The college has a structured feedback format. It is given to the students in order to express their views on the curriculum.
- The feedback on the curriculum is also obtained from alumni, industries, employers, etc., and the suggestions for improvements are communicated to the affiliating university for the improvement.
- Academics that visit the institution and interact with the head of the institution also provide suggestions for curriculum enhancement.
- All these feedbacks are analyzed and recommended to the university to consider during the development of curriculum.

1.4.3 How many new programmes / courses were introduced by the institution during the last four years? What was the rationale for introducing new courses / programmes?

The following Courses were introduced during the last four years

Academic Year	Details of Programmes	Intake
2011-2012	M.E. Thermal Engineering	18
2011-2012	M.E. Structural Engineering	18
2011-2012	M. Tech. Information Technology	18

The rationale for introducing new courses in the institution:

For strengthening and meeting the changing industry demands

- To develop skills of manpower in specialized fields of engineering
- To develop center of excellence in various streams of engineering
- To encourage research and development among the younger generation

CRITERION - II

TEACHING - LEARNING AND EVALUATION

- 2.1 Student Enrolment and Profile**
- 2.2 Catering to student diversity**
- 2.3 Teaching - Learning Process**
- 2.4 Teacher Quality**
- 2.5 Evaluation Process and Reforms**
- 2.6 Student Performance and Learning Outcomes**

2.1 Student Enrolment and Profile

2.1.1 How does the college ensure publicity and transparency in the admission process?

a) Publicity for Admission

The college ensures publicity through brochures, prospectus, college website, and advertisement through newspapers in both Tamil and English languages, television and radio channels etc. The publicity creates awareness about the institution and academic achievements and other activities to improve our admission.

Brochure and Prospectus:

The brochures and prospectus highlights complete information about UG and PG programmes, eligibility for admission, infrastructure, laboratories, hostel, transport, sports, NCC and NSS facilities.

Website:

The information about the college, its academic resources, faculty details, placement history and student services are given in the website to promote the mission of the college. This helps us to attract the students across the states and country. Events pertaining to the college and vision are also uploaded.

College website: www.jcet.ac.in

Newspapers:

- The advertisement for admission notification contains detailed information about eligibility criteria, process of admission, college infrastructure, academic status and support facilities for both UG and PG Programmes and fees concession.
- The events like symposium, conferences, workshops, seminars, guest lectures, annual day, sports events, graduation day, extracurricular activities like NCC, NSS and technical forums are also published in newspapers and college e-magazine.

2.1.2 Explain in detail the criteria adopted and the process of admissions (Ex.(i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

College follows the admission process in accordance with the guidelines given by the state government of Tamilnadu, Anna University Chennai. Tamil Nadu Engineering Admission (TNEA) allows 65% of seats under government quota through single window system and 35% of management seats through self financing consortium entrance examination.

Our Institution offers 7 UG Programmes and 9 PG Programmes.

Admission Process for UG Programme B.E/ B. Tech

Eligibility for Admission

First Year B.E. / B. Tech Programme:

For Higher secondary academic

As per Anna University, Chennai and AICTE norms, Candidates should have passed Higher Secondary of State board or equivalent with Mathematics, Physics, and Chemistry and other language subjects.

Category	Eligibility
General Category	50%
BC/BCM	45%
MBC	40%
SC/SC(A)/ST	40%

The Candidate should obtain marks at least 45% for (BC)/Backward Classes (Muslim)(BCM), 40% for Most Backward Classes (MBC)/Denotified Communities (DNC) and Scheduled Castes (SC), Scheduled Castes (Arunthathiyar) SCA/Scheduled Tribes (ST) candidates in the subjects mathematics, physics, and chemistry taken together at higher secondary examination.

For Higher secondary Vocational

(i) For Communities Other than BC/MBC&DNC/SC/ST - Other Communities

A minimum average of 60% in the related subjects and vocational subject theory and practical.

(ii) For BC Communities

A minimum average of 55% in the related subjects and vocational subject theory and practical.

(iii) For MBC & DNC Communities

A minimum average of 50% in the related subjects and vocational subject theory and practical.

For Lateral Entry Admission – Second Year B.E./ B. Tech. Programmes:

The Candidate should have passed Diploma or equivalent Examination.

Category	Eligibility
General Category	55%
BC/BCM	50%
MBC/DNC	45%
SC/SC(A)/ST	Mere pass

Admission Process for PG Programmes**First Year M.E./ M. Tech. Programmes:**

Candidate should have passed B.E./B. Tech./AMIE/ or equivalent examination for admission into relevant PG courses and its specialization. Admission to the various PG courses of study is done through Tamilnadu Common Entrance Test (TANCET) conducted by Anna University and also by Graduate Aptitude Test in Engineering (GATE) jointly by IISc and seven IITs on behalf of the National Coordinating Board (GATE), Ministry of Human Resources Development (MHRD), Government of India.

The admissions under management quota are filled through a separate entrance examination conducted by the consortium of self-financing colleges in Tamilnadu.

First Year M.B.A. Programme:

Candidate should hold a recognized Bachelor's degree of minimum 3 years duration and obtained at least 50 % (45 % in case of candidates belonging to reserved category) at the qualifying examination. 10+2+3/4 years pattern (or) 10+3 years Diploma +3 years pattern (or) B.E./B. Tech./B.Arch./B. Pharm. (or) AMIE with 2 years regular full time Teaching experience / Industrial experience in the relevant field after passing all the subjects. Candidates should have appeared for TANCET (Tamil Nadu Common Entrance Test) for M.C.A. conducted by Anna University.

The admissions under management quota are filled through a separate entrance examination conducted by the consortium of self-financing colleges in Tamilnadu.

Category	Eligibility
General Category	50%
Reserved Category	45%

First Year M.C.A. Programme:

Candidate should hold a recognized Bachelor's degree of minimum 3 years duration and obtained at least 50 % (45 % in case of candidates belonging to reserved category) at the qualifying examination. 10+2+3/4 years pattern with Mathematics at +2 level or 10+3 years Diploma +3 years pattern. Candidates should have appeared for TANCET (Tamil Nadu Common Entrance Test) for M.C.A. conducted by Anna University.

The admissions under management quota are filled through a separate entrance examination conducted by the consortium of self-financing colleges in Tamilnadu.

Second Year M.C.A. Programme:

The candidates should hold a recognized bachelor's degree of minimum 3 years duration in BCA, B.Sc. (Computer Science / Information Technology) with mathematics at 10+2 level or at Graduate level and acquired a minimum of 50 % (45 % in the case of candidates belonging to reserved category) in the qualifying degree examination.

The admissions under management quota are filled through a separate entrance examination conducted by the consortium of self-financing colleges in Tamilnadu.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating University within the city or district.

Programme	2015-2016		2014-2015		2013-2014		2012-2013		2015-2016	
	JCET (MAXIMUM)	JCET (MINIMUM)	JCET (MAXIMUM)	JCET (MINIMUM)	JCET (MAXIMUM)	JCET (MINIMUM)	JCET (MAXIMUM) (MINIMUM)	JCET (MINIMUM)	OTHER COLLEGE (MAXIMUM)	OTHER COLLEGE (MINIMUM)
AERO	178.00	89.50	--	--	--	--	141.25	98.50	--	--
CIVIL	188.25	80.25	185.00	101.5	179.00	87.25	186.00	92.00	180.00	80.25
CSE	182.25	82.00	176.25	91.75	184.25	93	162.75	80.00	175.25	70.00
EEE	196.25	89.50	187.00	87.5	172.00	88.25	176.25	85.50	183.75	82.00
ECE	197.75	81.50	182.50	124.25	185.50	85.25	184.50	90.25	174.00	72.25
MECH	195.75	80.50	180.25	114.5	182.00	83.25	186.75	91.75	184.00	73.00
IT	184.75	81.00	--	--	--	--	172.25	85.25	--	--

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?

YES, the institution has a mechanism to review the admission process and student profile every year after admission. The admission committee reviews the profile of the students admitted and understands the economical and academic background and suggest methods to attract more students.

Outcome of admission review:

The admission committee makes recommendations based on their review are the following lines.

1. Number of seats to be surrendered to counseling
2. Scholarship for meritorious students
3. Fee concession for economically weaker students
4. Concession in tuition and hostel fees for students talented in sports
5. Concession in tuition and hostel fees for physically challenged students
6. Requirement of the bridge course

Chairman congratulated the students of higher cutoff marks for choosing our college.



2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion.

Admission policy of the institution is in accordance with government norms. The reservation for SC/ST/MBC/BC is adhered to maintain the equality among different categories. In addition our institution provides special concessions for economically weaker section, differently-abled students, and meritorious students.

BC / MBC

During the single window system, a certain percentage of seats are reserved as per government norms for this student community. The State government of Tamilnadu follows 69% of reservation in all educational Institutions. As per the directives given by the Supreme Court, the state government provides extra seats so that the other communities are not affected.

SC/ST

During the single window system, a certain percentage of seats are reserved as per government norms for this student community. Also, state government of Tamilnadu bears 100% of tuition fees for SC and ST community candidates every year for their improvement.

Physically challenged

As per the government norms, 3% of the seats are reserved for the physically challenged students. To encourage such candidates, our institution offers 50% of tuition fee waiver.

Economically weaker section

The state government of Tamilnadu provides Rs. 20,000 scholarship in tuition fee for the first graduate candidates who are economically underprivileged. Our institution follows the government direction in this regard.

To support and encourage economically weaker section our management offers the fee concession based on the criteria.

Minority community

During single window system, as per government norms, certain percentage of seats is reserved for the students from the minority community.

Sports Quota

As per state government norms, reservation for sports person is available.

Various scholarships by our Institution

Jayam College of Engineering and Technology (JCET) offer merit scholarship for the candidates who secure higher marks. As JCET is located at rural region of Tamil Nadu, to encourage the rural students the college offers fee waiver schemes for meritorious, economically weaker section, sports and differently abled students.

Scholarship Criteria	Type of Fee Concession
Cut off mark ≥170	100% on tuition fees for all four years
	In case of counseling students should have registered with JCET before Counseling
Cut off mark 169.75 to 160	40% on tuition fees for all four years
Cut off mark 159.75-150	20% on tuition fees for all four years
Centum in Physics, Chemistry, Mathematics	Additional 10% of tuition fees concession
Physically challenged	50% on tuition fees & 25% hostel fees
Sports students	Concession based on the achievements.
Lateral entry students (for Dharmapuri and Krishnagiri district)	12.5 % on tuition fees for all three years

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

Academic Year 2015-16					
UG Programmes					
S. No.	Programmes	Allotted Intake	Seats Admitted	Lateral Admitted	Demand Ratio (%)
1	B.E. - Computer Science and Engineering	120	43	11	36
2	B.E. - Mechanical Engineering	180	143	79	79
3	B.E. - Electronic and Communication Engineering	180	49	16	27
4	B.E. - Electrical and Electronics Engineering	60	44	22	73
5	B.E. - Civil Engineering	180	75	57	42
6	B.E. - Aeronautical Engineering	60	5	0	8
7	B.Tech. - Information Technology	60	13	0	22

PG Programme					
1	M.E. - Computer Science and Engineering	18	4	-	22
2	M.E. - Applied Electronics	18	7	-	39
3	M.E. - Power Electronics and Drives	18	6	-	33
4	M.E. - Engineering Design	18	1	-	6
5	M.E. - Structural Engineering	18	13	-	72
6	M.E. - Thermal Engineering	18	12	-	67
7	M.Tech. - Information Technology	18	1	-	6
8	Master of Business Administration	120	39	-	33
9	Master of Computer Applications	60	3	27	5
UG Programmes in Academic Year 2014-15					
1	B.E. - Computer Science and Engineering	120	22	4	18
2	B.E. - Mechanical Engineering	180	91	30	51
3	B.E. - Electronic and Communication Engineering	180	31	11	17
4	B.E. - Electrical and Electronics Engineering	60	22	16	37
5	B.E. - Civil Engineering	180	78	34	43
6	B.E. - Aeronautical Engineering	60	0	0	-
7	B.Tech. - Information Technology	60	0	0	-
PG Programmes					
1	M.E. - Computer Science and Engineering	18	3	-	17
2	M.E. - Applied Electronics	18	8	-	44
3	M.E. - Power Electronics and Drives	18	6	-	33
4	M.E. - Engineering Design	18	0	-	-
5	M.E. - Structural Engineering	18	18	-	100
6	M.E. - Thermal Engineering	18	10	-	56
7	M. Tech. - Information Technology	18	4	-	22
8	Master of Business Administration	120	39	-	33
9	Master of Computer Applications	60	7	30	12
UG Programmes in Academic Year 2013-14					
1	B.E. - Computer Science and Engineering	120	41	8	34
2	B.E. - Mechanical Engineering	180	137	37	76
3	B.E. - Electronic and Communication Engineering	180	84	27	47
4	B.E. - Electrical and Electronics Engineering	60	53	14	88
5	B.E. - Civil Engineering	180	153	48	85
6	B.E. - Aeronautical Engineering	60	0	0	-
7	B.Tech. - Information Technology	60	0	0	-

PG Programmes					
1	M.E. - Computer Science and Engineering	18	16	-	89
2	M.E. - Applied Electronics	18	14	-	78
3	M.E. - Power Electronics and Drives	18	13	-	72
4	M.E. - Engineering Design	18	18	-	100
5	M.E. - Structural Engineering	18	15	-	83
6	M.E. - Thermal Engineering	18	19	-	106
7	M.Tech. - Information Technology	18	12	-	67
8	Master of Business Administration	120	63	-	53
9	Master of Computer Applications	60	4	28	7
UG Programmes in Academic Year 2012-13					
1	B.E. - Computer Science and Engineering	120	81	12	68
2	B.E. - Mechanical Engineering	180	148	30	82
3	B.E. - Electronic and Communication Engineering	180	130	33	72
4	B.E. - Electrical and Electronics Engineering	60	52	32	87
5	B.E. - Civil Engineering	180	128	66	71
6	B.E. - Aeronautical Engineering	60	11	0	18
7	B.Tech. - Information Technology	60	28	2	47
PG Programmes					
1	M.E. - Computer Science and Engineering	18	18	-	100
2	M.E. - Applied Electronics	18	18	-	100
3	M.E. - Power Electronics and Drives	18	17	-	94
4	M.E. - Engineering Design	18	11	-	61
5	M.E. - Structural Engineering	18	17	--	94
6	M.E. - Thermal Engineering	18	13	-	72
7	M.Tech. - Information Technology	18	18	-	100
8	Master of Business Administration	120	63	-	53
9	Master of Computer Applications	60	38	-	63
UG Programmes in Academic Year 2011-12					
1	B.E. - Computer Science and Engineering	120	60	14	50
2	B.E. - Mechanical Engineering	180	170	24	94
3	B.E. - Electronic and Communication Engineering	180	123	26	68
4	B.E. - Electrical and Electronics Engineering	60	38	12	63
5	B.E. - Civil Engineering	180	84	14	47
6	B.E. - Aeronautical Engineering	60	11	1	18
7	B.Tech. - Information Technology	60	20	5	33

PG Programmes					
1	M.E. - Computer Science and Engineering	18	18	-	100
2	M.E. - Applied Electronics	18	18	-	100
3	M.E. - Power Electronics and Drives	18	16	-	89
4	M.E. - Engineering Design	18	6	-	33
5	M.E. - Structural Engineering	18	10	-	56
6	M.E. - Thermal Engineering	18	13	-	72
7	M.Tech. - Information Technology	18	17	-	94
8	Master of Business Administration	120	61	-	51
9	Master of Computer Applications	60	46	-	77

The college is located at deep rural place of dharmapuri district in Tamil Nadu with very good infrastructure of pollution free and green environment. The college is having full fledged playgrounds and arranges different competitions and tournaments time to time. It is also having highly equipped laboratories and other facilities which attract the rural graduates on engineering discipline. This paves the way for the college to get some reasonable increase in 2016-17 admission

2.2 Catering to student diversity

2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in the regard?

- The institution strictly follows the state government policies to fulfill the needs of differently abled student.
- The seats are reserved and offered according to the government policies at the time of admission in all programme.
- Special attention is given for the needs of the differently abled students.
- Classes are allocated for differently abled students in ground floor.

2.2.2 Does the institution assess the student's needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

Yes, the institution assesses the student's knowledge and skills through formal and informal interaction with the students at the beginning of the academic year. Based on this, entry level and needs of the students are identified.

The institution conducts bridge courses every year to enrich their knowledge to meet the current engineering desires. In addition to that the awareness on the facilities available to improve the skills on communication, basics in mathematics and engineering disciplines will be explored.

Bridge Course 2015-16 - Inauguration



2.2.3 What are the strategies drawn and deployed by the institution to bridge the knowledge gap of the enrolled students to enable them to cope with the programme of their choice? (Bridge/Remedial/Add-on/Enrichment courses, etc.,)

Bridge course:

Bridge courses are conducted every year for 15 days duration before commencing of the academic schedule for the newly admitted students both first year and lateral entry by the internal faculty members.

The students who have studied in different mediums like Tamil, English etc., are admitted in first year. To improve their English language and communication skills an intensive module is delivered in bridge course. Apart from these basics in mathematics, science, engineering and technology art also taught.

Remedial courses:

Remedial classes are conducted for the improvement of poor performers in the examinations.

Add-on / Enrichment courses:

The institution organizes Add-on-courses in respective disciplines for the benefits of the students. To enhance the knowledge enrichment courses like workshops, seminars, symposium, conferences etc. are also organized by the institution. Industrial visits and in-plant training are arranged to create awareness on current industrial trends.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion environment etc.?

- There is no discrimination of the students and staff on the basis of gender. It is informed to all during the inauguration of the first year.
- Our institution has women empowerment cell to address the issue of the women.
- Women's day is celebrated regularly.
- Anti-ragging committee actively functioning in our institution, so that no issues is recorded
- NSS units provide opportunity for all to participate in all social activities like Tree plantation, Blood donation, Rally on social issues etc.

Women's Day Celebration



Medical Camp



Tree Plantation in College Campus



Blood donation Camp by NSS at JCET



Activities of NCC Students in Various Programmes



2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

The advanced learners are identified through academic performance

- Encouraging and motivating the students to secure the university rank.
- Motivating to participate in classroom seminars, group discussions, and technical quiz to develop their presentation skills.
- Helping them to identify and carry out in-house and industry related projects.
- Motivating to organize and participate in events like seminars, symposiums, workshops etc.

2.2.6 How does the institute collect, analyse and use the data and information and academic performance(through the programme duration) of the students at the risk of drop out(students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.,)?

The personnel and academic performance of all students are available in the concerned department. The class advisor monitors attendance and performance of each student and identify the slow learners and irregular students.

The following rectification measures are taken by our institution.

1. Counseling will be given by class advisor, HoD and course handling faculty.
2. Special classes are conducted for the necessary subjects to the slow learners for their academic improvement.
3. Motivational lectures, value education and yoga classes are conducted by the external resource person.
4. Student progress is reported to their parents at regular intervals.
5. Additional tests are conducted for slow learner to gain confidence level
6. Simplified notes, question banks and previous year university question papers are also provided.

2.3 Teaching - Learning Process

2.3.1 How does the college plan and organize the teaching, learning and Evaluation schedules? (Academic calendar, teaching plan, evaluation blueprint, etc.)

Planning the teaching - learning and evaluation schedules:

(i) Academic calendar

Academic calendar is prepared well in advance for each academic year. It consists of date of commencement of classes, internal mark entry, internal assessment test schedule, question paper submission, commencement of university examinations and other curricular and co-curricular activities. It is communicated to all the faculty and students.

ii) Teaching plan

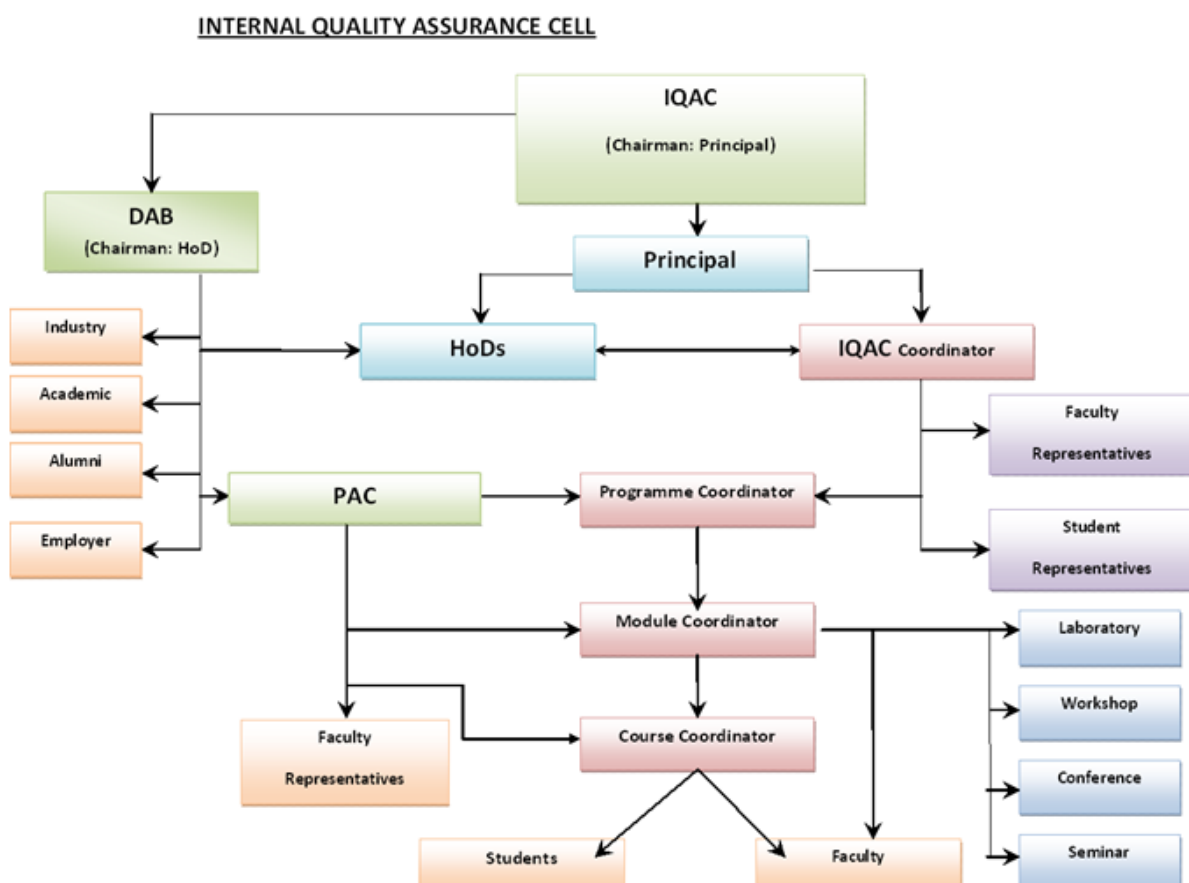
- At the beginning of the each semester lesson plans are prepared for each course by the concerned faculty. Number of periods to be conducted is followed as prescribed by the university.
- For all the subjects, course files are prepared which includes lecture notes, question banks, assignment topics, university question papers, internal test question papers, content beyond the syllabus, list of text books, reference books and important web resources for the subject material
- Time tables are prepared as per the university allotted periods to accomplish the teaching plan and displayed in all class rooms.

(iii) Evaluation procedure

- Performance in each course of study is evaluated based on (i) Continuous internal assessment throughout the semester and (ii) University examination at the end of the semester.
- Progress of students is monitored through periodical internal assessment test and end semester university examinations. The college follows university rules to evaluate students. The internal assessment marks are awarded on the basis of the performances of the students in the internal assessment tests conducted, attendance and overall class performance throughout the semester. For all theory and practical courses including project work, the continuous internal assessment will carry 20 marks while the end semester university examination will carry 80 marks

2.3.2 How does IQAC contribute to improve the teaching learning process?

- In order to achieve the stated objectives and outcomes of teaching learning process of our institution, an Internal Quality Audit Cell has been functioning, under the leadership of senior professors.
- The activities of the IQAC are
 - Develop and establish innovative practices in teaching learning process
 - Design and implement the academic calendar with various activities and monitor the same.
 - Collecting feedback about the various activities to ensure the quality of the teaching learning process.



2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

- The institution provides various resources and practices to ensure student centric, collaborative and independent learning.

Interactive learning

- Teaching aids like LCD projector, OHP, and white board are provided to enhance lecture delivery and effective interaction.
- The college provides state of the art seminar halls where students participate in group discussions, debates and seminars.
- Tutorial classes are conducted to encourage learning through interaction. Critical and important topics/problems etc. are discussed in these classes.
- Industrial visit is organized to interact with the experts in the field and update their knowledge.
- Regular guest lectures by eminent experts from industry and academia are organized.

Collaborative learning

- Students are encouraged to carry out many innovative projects apart from the university prescribed project work.
- Students are motivated to participate in the technical paper presentation design contest, paper poster presentation etc. to learn through collaboration
- Central computing, LAN facilities, E-library facilities help teachers and students in collaborative learning process

Independent learning

- The college provides well stocked library which consists of books, journals, project reports, university question banks and other teaching material which can be accessed by students and faculty.
- Research labs are available in the departments for improving programming skills & practical knowledge to the students and faculty members
- The students are encouraged in preparing assignment on recent development in the various related field.

Student Seminar



2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

- College established the institution level Entrepreneurship Development Centre (EDC) to develop the innovation and entrepreneurship culture among the students.
- The institution organizes the innovation meets as well technical events to improve the critical thinking among the students.
- Students are encouraged to carry out the project works to transform the new concepts and ideas.
- The institution organizes various training programmes, workshops and guest lectures in various domains by bringing experts from industry and academia.
- Students are also motivated to undergo internship/in-plant training at leading industries and research institutes.
- Opportunities are provided to participate in the technical events, paper presentation, and design contest.
- Top performers in each academic year are awarded.
- University rank holders are honored on graduation day.

2.3.5. What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

- An exclusive seminar hall is established to screen the NPTEL resources. All the contents of the NPTEL are collected from IIT-Madras and kept open for access to the faculty and students. NPTEL hours are allotted in the regular timetable. Apart from this all the students and faculty can access e-contents through LAN and Wi-Fi facility provided across the campus.

NPTEL-Inauguration



- Our institution has setup Mindtree Innovation Learning Centre (MILC) with collaboration of Mindtree Technologies and Radix Learning Private Ltd. A set of students are identified and enrolled to take up the course. Radix Learning Private Ltd conducts the classes and test through online and interaction through Skype.
- The institution is having well equipped library resources which can be utilized by the faculty to access e-books, reference books, online journals, e-journals to improve their skills. Expert video subject lectures delivered by the eminent resource persons in the form of CD is also available in the library.
- Exclusive language laboratory is available to the faculty and students to improve their communication skill and soft skills.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blending learning, expert lectures, seminars, workshops etc.)?

- The institution encourages the faculty members to participate in faculty development programmes, seminars and workshops on advanced topics to enhance their level of knowledge
- Guest lectures/workshops are organized by inviting experts/resource persons on advanced topics for the benefit of students and faculty.
- The students are motivated to participate in short term courses, paper presentation, seminar, conferences and symposium at national/international level.
- Also our institution conducts symposium, workshops, and conference etc.
- Faculty delivers beyond the syllabus during their class room sessions to enrich the students update their knowledge in the subjects

XETA-2014-Innaguration



FDP on Cloud Infrastructure & Services



2.3.7 Detail (process and the number of students\benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advises) provided to students.

- The students are counselled besides conducting remedial classes for poor performers to improve their performance in the subsequent examinations.
- The class advisors are allotted for each class of students to provide academic and personal guidance. They also monitor the regularity of attendance and the performance of the students in internal assessment tests and end semester examinations.
- A separate grievances redressal cell is functioning in our institution to address their issues which gives proper guidance to them.
- To build the students confidence level the institution organizes motivational programmes like personality development classes, yoga classes etc.

2.3.8 Provide details of innovative teaching approaches / methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

Our institution provides the innovative teaching methodologies to enrich the knowledge of faculty members.

Some of the innovative teaching methodologies adopted are:

- The institution is a Wi-Fi enabled campus each department has an exclusive well equipped seminar hall, tutorial halls, research labs etc.
- The use of modern multi-media teaching aids like OHP, LCD projectors, Internet enabled computer systems are provided to improve innovative teaching approach in class room.
- The students are also encouraged to use software packages for analyses, design and experimental work to develop their skills.
- NPTEL videos and subject expert's videos are also available to strengthen content delivery in the class room teaching.
- The institution encourages faculty members to enhance their subject knowledge and research in their respective fields using library resources, e-resources and software.

2.3.9 How are library resources used to augment the teaching-learning process?

- The institution has a well-stocked library with latest editions of text books and reference books prescribed by the affiliating university.
- The reference section enables both the faculty and the students to prepare and present technical articles while taking part in the workshops, conferences and symposium.
- The students are encouraged to utilize the learning materials available in the library.
- The library has DELNET, IEEE, ASTM digital library, J-GATE & e-book facilities to upgrade the students' knowledge.
- Library has laptops enabled with Wi-Fi connectivity. Access is provided to the faculty members and students to go through e-resources, online journals, e-books etc. Faculty members and students can browse and download the required technical materials.
- The library and computer centre are kept open beyond the working hours for better use.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

The institution has a well planned academic calendar to complete the curriculum prescribed by the university.

IQAC monitors the progress of academic schedule time to time, if any difficulties in completing the curriculum, the faculties are advised to arrange special classes to complete as per the academic schedule.

2.3.11. How does the institute monitor and evaluate the quality of teaching learning?

The institution monitors and evaluates the quality of teaching as follows

- Conducting of class committee meeting periodically.
- Feedback from the students is collected at regular interval
- IQAC regularly monitors the teaching and learning process.
- Performance of the students is monitored and evaluated through internal assessment test, unit test, etc.
- Poor performers are identified and additional classes are arranged to improve their performance.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified & competent teachers) to meet the changing requirements of the curriculum.

Recruitment of faculty:

- The recruitment is carried out as per the eligibility criteria given by AICTE and Anna University
- The college recruits and retains the faculty who are competent, qualified, experienced and experts in their respective domain. Appointment is done on the merit basis.

The selection process is as follows:

- Faculty requirement for each department is planned well in advance by the head of the departments and the principal and then approval of management for the recruitment is obtained.
- Advertisements of vacancies are published in leading newspapers.
- Applicants' resume are screened based on qualification, academic performance, experience and domain expertise.
- The selection committees will short list the candidates by classroom demonstrations and personal interviews.
- Selected candidates are recommended to the principal and management for appointment.

Retention of faculty:

The following measures are adopted to ensure the retention of faculty members.

- Faculties are given the liberty to attend the national and international level conference, FDP, workshops and seminars
- On-duty leave and reimbursement of expenditure to attend the events.
- The college also provides requisite facilities like transport, hostel and food on concession basis.
- Faculties are encouraged to pursue higher education.
- Provision of maternity leave.

- Faculties are permitted to utilize the resources available in the institution for their research work.
- Group insurance is also provided.
- Incentives for best performing faculties

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers*							
Ph.D	6	1					7
M.Phil	1		5	2	7	8	23
PG	4	1	10	11	91	40	157
UG					24	1	25
Temporary teachers*							
Ph.D	--	---	--	--	--	--	--
M.Phil	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--
UG	--	--	--	--	--	--	--
Part-time teachers*							
Ph.D	--	--	--	--	--	--	--
M.Phil	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--
UG	--	--	--	--	--	--	--

*Teachers on Six months probation period are treated as temporary.

2.4.2 How does the institution cope with the growing demand / scarcity of qualified senior faculty to teach new programmes / modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

- Our institution has collaborated with Mind Tree Technologies, Bangalore and Radix learning Pvt. Ltd. Bangalore and has established a Mind Tree Innovative Learning Center in our campus to facilitate the faculty members and students to know and learn modern technology and latest Information technology. Both faculty members and students are trained through Skype interaction. Frequently experts from MINDTREE and Radix Learning Pvt. Ltd. organize workshops in our campus to improve the technical skills.

- Our institution organizes several programmes like seminars, workshop, symposium and conference on the latest topics pertaining to IT at regular intervals to enhance their technological skills.
- Pursuing research is encouraged. Faculties who are interested in upgrading their domain skills are also encouraged.
- Faculties are encouraged to attend national and international level conference, FDP, workshops and seminars by providing on-duty with expenditure.
- Our institution has membership with ICTACT. Our faculty members regularly attend various programmes such as courses on current trends in IT technologies and application development using current technology tools, leadership skill development training, industry-academic bridge gap, etc., organized by the ICTACT.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a) Nomination to staff development programmes:

- Our faculty members are nominated to various programmes are as follows:

Academic Staff Development Programmes	Number of faculty Nominated
Refresher courses	15
HRD programmes	13
Orientation programmes	15
Staff training conducted by the university	34
Staff training conducted by other institutions	147
Summer / winter schools, workshops, etc	115

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning.

- **Innovative Teaching-learning methods.**
- **Handling new curriculum.**
- **Content/knowledge management.**

- **Selection, development and use of enrichment materials.**
- **Assessment.**
- **Cross cutting issues**
- **Audio Visual Aids /multimedia.**
- **OERs**
- **Teaching-learning material development, selection and use.**

- **Innovative Teaching-learning methods.**

Our faculties are trained to use various innovative teaching learning methods such as team learning, industrial visit, group discussion, demo, seminars, NPTEL lectures, quiz, web resources, e-learning etc.
- **Handling new curriculum**

Faculty members are deputed to attend the faculty development programmes conducted by various institutions. Regular interaction with the experts through seminars, workshops, and guest lectures helps the faculty to handle the new curriculum
- **Content / knowledge management**

Our interactions with the industry help us to enhance our knowledge. Faculty members update their domain knowledge by attending workshops, seminars conferences etc.
- **Selection, development and use of enriched materials**

Our institution subscribes to many reputed journals. Faculty and students can access study materials through Wi-Fi and LAN across the campus.
- **Assessment.**

Feedback will be collected from the faculty members on the training programmes organized. Feedback will be reviewed and based on the suggestions made by the faculty further programmes will be planned.
- **Cross cutting issues.**

Our institution creates awareness on gender issues, empowerment of women, environmental safety, health etc through NSS, NCC, YRC, and women empowerment cell.

➤ **Audio Visual Aids / multimedia**

Faculty members are trained to use our facilities like LCD projectors, OHPs, sound system and also provide technical assistance to operate ICT tools.

➤ **OERs**

Open educational resources are available in the departments which can be shared with all faculty and students. Resource like NPTEL materials are kept available to the faculty and students.

➤ **Teaching-learning material development, selection and use.**

Faculty members can collect various learning materials from internet, library, NPTEL etc., and prepare the lecture notes, question banks, power point presentation technical videos, etc.

c) Percentage of faculty

➤ **invited as resource persons in Workshops/Seminars/Conferences organized by external professional agencies**

➤ **participated in external Workshops/Seminars/Conferences recognized by national/ international professional bodies**

➤ **presented papers in Workshops/Seminars/Conferences conducted or recognized by professional agencies**

Our faculties are invited as a resources person for many technical events which are organized by the other institutions and also participated/presented papers in conferences, seminars etc.

Name of the Programs	% of faculty			
	2014-15	2013-14	2012-13	2011-12
Invited as resource persons	8	8	7	6
Participated in external workshops/seminars etc.	40	53	50	60
Presented papers in conference/ journals	20	23	27	30

2.4.4 What policies / systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

The following systems are in place to recharge faculty.

- Granting on duty with expenditure for the faculty to attend various programmes such as national and international level conference, FDP, seminars, workshops etc.
- Our institution offers cash awards and merit certificates to the faculties those who are producing good results in the university examinations.
- To retain the existing faculty, the college provides concession in transport, food and accommodation.
- Faculties are encouraged to pursue higher education and research work.
- Faculties are permitted to work in their labs, after the college hours. appropriate facilities are provided to them for continuing their research activities.

2.4.5 Give the number of faculty who received awards/recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

Our institution encourages the faculties to expertise in their teaching and research skills. Faculties producing good results in the university examinations are rewarded by cash prize and merit certificates.

S.No	Type of award	Name of the faculty	Dept.	Year
1	Cash Award	N.Vignesh, Asst.prof	Aero	2014-2015
2		T.Ramya, Asst.prof		
3	Cash Award	N.Vignesh, Asst.prof		2013-2014
4		G.Suresh, Asst.prof		
5		S.Ponsankar, Asst.prof		
6		N.Vignesh, Asst.prof		
7	Cash Award	T.Vijaykanth, Asst.prof		2012-2013
8		Dr.K.Sundramurthy, Asso.prof		
9	Cash Award	T.Vijaykanth, Asst.prof	2011-2012	
10	Cash Award	G.Suresh, Asst.prof	Aero	
11		M.Manoj Kumar, Asst.prof		
12		P.Dhackshanamoorthy,Asst.prof		
13		N.Vignesh, Asst.prof		

14	Cash Award	Dinesh.S, Asst.prof	Civil	2014-2015
15		Kannan.D, Asst.prof		
16		G.Balaji, Asst.prof		
17		V. Rajendiran, Asst.prof		
18	Cash Award	S.Naveen Kumar, Asst.prof		2013-2014
19		R.Kalidass, Asst.prof		
20		N.Anand, Asst.prof		
21		C.Muruganantham, Asst.prof		
22	Cash Award	D.Karunanidhi, Asst.prof		2012-2013
23		A.Venkatesan, Asst.prof		
24		Rajendiran.V, Asst.prof		
25		Anand.N, Asst.prof		
26	Cash Award	Anand.N, Asst.prof		2011-2012
27		Kalpana.K.R, Asst.prof		
28		Rajendiran.V, Asst.prof		
29		Muruganantham.C, Asst.prof		
30	Babu.T,Asst.prof			
31	Cash Award	M.S.Lakshmi, Asst.prof	2014-2015	
32		N.R.Jayashree, Asst.prof		
33		M.Nandhini, Asst.prof		
34		S.Sankar, Asst.prof		
35		I.Anbarasu, Asst.prof		
36		P.Ramya, Asst.prof		
37	Cash Award	C.Arivazghan, Asst.prof	CSE	2013-2014
38		I.Anbarasu, Asst.prof		
39		K.Kavitha, Asst.prof		
40		R.Suresh, Asst.prof		
41		M.S.lakshmi, Asst.prof		
42		A.Kamakshi, Asst.prof		
43		C.Srimathi, Asst.prof		
44		R.Kavipriya, Asst.prof		
45		D.Anitha ,Asst.prof,		
46		K.Lalli, Asst.prof		
47		P.Ramya, Asst.prof		
48		D.Sumathi, Asst.prof		
49		I.Anbarasu, Asst.prof		
50		K.Premalatha, Asst.prof		
51		P.Ramya, Asst.prof		
52		P.Sathish kumar, Asst.prof		
53	Cash Award	N.Gajalakshmi, Asst.prof	CSE	2012-2013
54		C.Vinoth ,Asst.prof,		
55		R.Geethanjali, Asst.prof		
56		S. Chandrasekaran ,Asst.prof		
57		A.Kannammal, Asst.prof		
58		R. Kavipriya, Asst.prof		
59		K. Premalatha, Asst.prof		

60		M.Krithika devi, Asst.prof		
61		J. Dhanalakshmi Asst.prof		
62	Cash Award	K.Ramesh, Asso.prof	ECE	2014-2015
63		S.Saraswathi, Asst.prof		
64		G.Nanjappan, Asst.prof		
65		N.Rupavathi, Asst.prof		
66		N.M.Anandan, Asst.prof		
67		N.M.Anandan, Asst.prof		
68		S.Saraswathi, Asst.prof		
69		P.Srinivasan Asst.prof		
70		R.Vignes, Asst.prof		
71		S.Imayavalli, Asst.prof		
72		R.Priyanka, Asst.prof		
73		D.Ilamparuthi, Asst.prof		
74		R.Valarmathi, Asst.prof		
75		S.Anju, Asst.prof		
76		M.Somasekar, Asst.prof		
77		B.Karthi, Asst.prof,		
78		A.Karthi, Asst.prof		
79		Cash Award		
80	R.Valarmathi, Asst.prof			
81	S.Indhumathi, Asst.prof			
82	N.Rupavathi, Asst.prof			
83	G.Nanjappan, Asst.prof			
84	K.Venkatesan, Asst.prof			
85	V.Sivarajini, Asst.prof			
86	G.Vadivel, Asst.prof			
87	R.M.Surya, Asst.prof			
88	M.S.Karthikeyan, Asst.prof			
89	P.Srinivasan, Asst.prof			
90	N.M.Anandan, Asst.prof			
91	Priti Rishi, Asst.prof			
92	M.G.Shyamala, Asst.prof			
93	Cash Award	K.Ramesh, Asst.prof		2012-2013
94		R.Valarmathi, Asst.prof		
95		S.Indhumathi, Asst.prof		
96		A.Karthi, Asst.prof		
97		N.Rupavathi, Asst.prof		
98		G.Nanjappan, Asst.prof		
99		K.Venkatesan, Asst.prof		
100		V.Sivarajini, Asst.prof		
101		G.Vadivel, Asst.prof		
102		M.Sathya, Asst.prof		
103		R.M.Surya, Asst.prof		
104		M.S.Karthikeyan, Asst.prof		

105		M.G.Shyamala, Asst.prof	ECE		
106		S.Kalpana, Asst.prof			
107		J.Aishwarya, Asst.prof			
108		P.Srinivasan, Asst.prof			
109		N.M.Anandan, Asst.prof			
110		N.Deivamalar, Asst.prof			
111		Priti Rishi, Asst.prof			
112		S.Bhuvaneshwari, Asst.prof			
113		S.Venkatesh, Asst.prof			
114		B.Karthi, Asst.prof			
115	Cash Award	K.Ramesh, Asst.prof			2011-2012
116		R.Valarmathi, Asst.prof			
117		S.Indhumathi, Asst.prof			
118		N.Rupavathi, Asst.prof			
119		G.Nanjappan, Asst.prof			
120		K.Venkatesan, Asst.prof			
121		R.Sivaranjani, Asst.prof			
122		G.Vadivel, Asst.prof			
123		M.Sathya, Asst.prof			
124		M.S.Karthikeyan, Asst.prof			
125	M.G.Syhamala, Asst.prof	EEE	2011-2012		
126	R.Balasankar, HoD				
127	B.Gokulakrishnan, Asso.Prof				
128	R.Yalini, Asso.Prof				
129	L.P.Vettrivelan, Asso.Prof				
130	S.Ramesh Babu, Asst.Prof				
131	R.Balasankar, HoD				
132	R.Yalini, Asso.Prof				
133	Cash Award	R.Balasankar, HoD	2012-2013		
134		R.Yalini, Asso.Prof			
135		L.P.Vettrivelan, Asso.Prof			
136		V.Purushothaman, Asst.Prof			
137		A.Ambika, Asst.Prof			
138		R.Balasankar, HoD		2013-2014	
139		A.Vijayalakshmi, Asst.prof			
140	Cash Award	R.Balasankar, HoD	EEE	2014-2015	
141		B.Gokulakrishnan, Asso.Prof			
142		K.Sathyavani, Asst. Prof			
143		R.Yalini, Asso.Prof			
144	Cash Award	P.Selvi, Asst.prof	IT	2012-2013	
145		P.Kalaiarasi, Asst. Prof			
146		K.Krishnan, Asst. Prof			
147		G.Gokulakrishnan, Asst. Prof,			

2.4.6 Has the institution introduced evaluation of teachers by the students and external peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

Yes. The institution has feedback system to evaluate the teachers by the students at end of each semester. The feedback mainly focuses on the various teaching skills of the faculty members like presentation, communication, knowledge, content covered, innovative practices and laboratory work. This feedback is analyzed and appropriate suggestions are given to the faculty by the HoD and Principal. The faculties are advised to attend FDPs, workshops, seminars and conferences in various colleges.

Class Committee Meetings

Class committee meetings are conducted periodically by the faculty chairperson to know about the status of teaching methodology of the faculties. Based on this, feedback, faculties are advised to modify the delivery of teaching methods.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

- Orientation programmes are conducted at the beginning of the each semester to communicate regulations and syllabus, schedule of internal assessment tests, question paper patterns, evaluation processes of both internal assessment tests and university examination.
- Academic calendar is prepared by the college and circulated to the faculty members and students of all the departments. The academic calendar includes unit test schedule, internal test schedule, and date of submission of internal test and unit test question papers and date of conducting class committee meeting, etc.
- Anna University instructions and examination schedules, criteria for internal mark allocation, eligibility conditions to appear in university examinations are communicated to the faculty members and students. The same will be displayed in the notice boards and also circulated.
- The students can access the university website for knowing their attendance percentage and internal marks status.
- The class advisor informs parents about their ward's test performance and attendance.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

- Our institution has adopted the rules and regulations of Anna University, for conducting and evaluating of examinations.
- Online web portal facility has been introduced by the university to enter internal assessment test marks and students attendance. Based on the performance, internal marks will be generated and students have provision for accessing and viewing their performance.
- The board of examiners is framed by the university for conducting and evaluating theory, practical examination, project works etc.,

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

- As per the guidelines of the university three internal tests are conducted. In addition to that unit tests are also conducted to evaluate the students' academic performance. Students are advised and counseled periodically to improve their performance.
- End semester theory examinations are evaluated by panel of examiners appointed by the university.
- Practical examination is conducted and evaluated by the external examiner appointed by the university and internal examiner appointed by the institution.
- In addition, the institution also initiates its own evaluation process to assess the students by conducting seminars, assignments, technical discussion, mini projects etc.

2.5.4 Provide details on the formative and summative evaluation approaches adapted to Measure student achievement. Cite a few examples which have positively impacted the System?

As the college is affiliated to Anna University, Chennai, it must follow the university examinations and evaluation procedure.

Formative Evaluation Process

Formative assessment consists of internal assessment tests and attendance and maximum of 20 marks will be awarded based on this performance.

Apart from this students are also assessed through assignment, industrial visit, industry internship, seminar, paper presentation and project presentation etc.

The students are motivated and monitored to follow the above assessment approaches periodically.

Summative evaluation process

University theory examinations are conducted at the end of the semester. The evaluation is carried out as per the university guidelines. Finally the grades are awarded by the summation of internal (20%) and external (80%).

Revaluation option is available for the students to improve the grades. The students can get the photocopy of the answer scripts and apply for revaluation in case of any discrepancy. The university will arrange for revaluation and publish the result.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weight age for behavioral aspects, independent learning, communication skills, etc).

- The institution has complete transparency in the internal assessment.
- Unit tests are conducted regularly and the evaluated answer sheets are given to the students to understand the evaluation procedure, the discrepancies are addressed if any.
- The performance of the students in the internal assessment tests are uploaded in the university web portal. The students can view the internal marks.
- Attendance is also uploaded in the web portal periodically. Students can view their attendance status.
- The institution encourages independent learning by making the students to prepare and present assignments, seminars etc. It also ensures communicative competence.
- The overall behavior of the student is continuously monitored by the class advisors, Head of the Departments and disciplinary committee to improve in the aspects of attitude, punctuality etc.

2.5.6 What are the graduates attributes specified by the college / affiliating university? How does the college ensure the attainment of these by the students?

- The institution committed to produce professional graduates who are energized to become leaders, innovators & entrepreneurs in their profession
- The institution also aims to enhance student's skills and talents for their exemplary contribution to the society.
- In addition to these attributes our institution follows the graduate attributes as per National Board of Accreditation
 - GA1 : Engineering Knowledge
 - GA2 : Problem Analysis
 - GA3 : Design/ Development
 - GA4 : Conduct Investigations of Complex Problems
 - GA5 : Modern Tool Usage

- GA6 : The Engineer and Society
 - GA7 : Environment and Sustainability
 - GA8 : Ethics
 - GA9 : Individual and Teamwork
 - GA10 : Communication
 - GA11 : Project Management and Finance
 - GA12 : Life-long Learning
- By monitoring the performance of the students in curricular, co-curricular and extracurricular activities the attainment of attributes is measured.
 - In addition, it is also ensured by getting feedback from the stakeholders like employer, industries, professional bodies, alumni etc.

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

At college level:

- The answer scripts of internal examinations are issued to the students.
- If there are any discrepancies, these will be brought to the notice of the concerned faculty and necessary corrections will be made.

At University level:

- The evaluation of end semester examination papers is carried out externally. Scheme of evaluation and solution key is prepared by Anna University, Chennai. Grades obtained by the students are published in university website.
- The students can get the photocopy of the answer scripts and apply for revaluation in case of any discrepancy.
- The university will arrange for revaluation and publish the result.

2.6 Student Performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

Yes. Our institution has learning outcomes which are derived from the graduate attributes. These are disseminated to all stakeholders by publishing them in websites, bulletin, display boards etc.

The attributes are:

1. Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the conceptualization of engineering models.
2. Identify, formulate, research literature and solve complex engineering problems reaching substantiated conclusions using first principles of mathematics and engineering sciences.
3. Design solutions for complex engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
4. Conduct investigations of complex problems including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.
5. Create, select and apply appropriate techniques, resources, and modern engineering tools, including prediction and modelling, to complex engineering activities, with an understanding of the limitations.
6. Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.
7. Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
8. Demonstrate understanding of the societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to engineering practice.

9. Understand and commit to professional ethics and responsibilities and norms of engineering practice.
10. Understand the impact of engineering solutions in a societal context and demonstrate knowledge of and need for sustainable development.
11. Demonstrate a knowledge and understanding of management and business practices, such as risk and change management, and understand their limitations.
12. Recognize the need for, and have the ability to engage in independent and life-long learning.

The learning outcomes of the college are made known to the students and staff by displaying them in the departments and at all prominent places of the college.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course / programme? Provide an analysis of the students results/achievement.(Programme / course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

- Our institution conducts unit tests and internal assessment tests to monitor the performance of the students.
- Evaluated test papers are issued to the students. The marks are uploaded in the university web portal and the students can view their marks.
- The parents are informed about the performance of the students through letters and parents teachers meeting.
- Daily absenteeism of the students is intimated to the parents through phone calls.

Analysis of the result of last four years is shown below:

S.No	Year	Branch	Number of Students Appeared	Passed	I Class with Distinction	I Class	II Class	Pass %
1	2015	MECH	190	157	03	154	Nil	83
		ECE	147	98	2	96	Nil	67
		EEE	69	52	2	44	6	75.4
		CIVIL	142	70	10	60	Nil	49.2
		CSE	70	59	Nil	50	4	84.3

		IT	21	20	Nil	20	Nil	95	
		AERO	11	3	1	2	Nil	27	
		MBA	57	55	1	37	17	96	
		MCA	62	53	7	45	Nil	85.4	
2	2014	MECH	145	116	Nil	116	Nil	80	
		ECE	123	99	1	95	3	80	
		EEE	72	51	1	45	5	70.8	
		CIVIL	134	85	5	80	Nil	63.4	
		CSE	122	99	Nil	82	5	81.1	
		IT	58	44	4	40	Nil	76	
		AERO	54	25	3	22	Nil	45	
		MBA	63	61	1	40	20	97	
		MCA	45	44	4	40	Nil	98	
3	2013	MECH	129	119	01	118	Nil	92	
		ECE	116	96	6	88	2	83	
		EEE	62	58	2	52	4	95	
		CIVIL	128	103	9	94	Nil	80.4	
		CSE	83	75	Nil	70	5	90.3	
		IT	26	23	Nil	23	Nil	88	
		AERO	8	4	Nil	3	1	25	
		MBA	59	57	Nil	35	22	97	
		MCA	19	19	4	15	Nil	100	
4	2012	MECH	122	112	02	110	Nil	92	
		ECE	115	97	18	79	Nil	84	
		EEE	65	53	2	49	2	82	
		CIVIL	69	49	7	42	Nil	71	
		CSE	50	49	Nil	45	4	98	
		IT	26	18	2	16	Nil	69	
		AERO	NA						
		MBA	56	56	4	45	7	100	
		MCA	13	13	6	7	Nil	100	

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

Teaching, Learning Strategies:

- The institution prepares and follows the academic calendar based on the guidelines given by the Anna University, Chennai.
- Lecture, tutorial and laboratory hours are planned according to the curriculum given by university.
- The class time tables are prepared in such a way that required number of periods are assigned for all the theory and practical courses.

- The faculty members follow student assessment record to monitor students' attendance, test marks, assignment marks etc.
- Faculty prepares course file which contains unit wise notes, university question paper, question bank, model test papers etc.
- At the end of the semester a model examination is conducted for both theory and practical courses, so that the students get prepared to the university examination well in advance.
- To enhance the communication skills and knowledge, student presents the seminars and assignments.
- Tutorial classes are conducted for critical subjects.
- Industrial visits are arranged to expose the students to improve their practical knowledge.
- Mini projects/model making are made part of the learning.
- Certificate courses on modern technologies and software are conducted.
- Through teaching and learning process, the institution conducts regularly personality development programs leading to gaining ethical social and moral responsibilities.

Assessment Strategies:

i) Direct Assessment:

- Performance evaluation through internal and external examinations in both theory and practical courses.
- Evaluations through project work/seminars/comprehensive viva voce are made.

ii) Indirect Assessment:

- Survey of Alumni
- Employer feedback
- Parents feedback
- Industry feedback

2.6.4 What are the measures / initiatives taken up by the institution to enhance the social and economic relevance (quality Jobs, entrepreneurship, innovation and research aptitude) of the courses offered?

- The placement activities are carried out through placement cell.

- Students are given training to improve their communication, aptitude, soft skills, regularly.
- Time table has a provision for training and placement activities to promote employable skills.
- The MOUs signed by institution for training the students based on the industrial requirements.
- Our institution has collaboration with Mind Tree and Radix Learning Center, for training our students in C, C++, Java and aptitude development.
- The institution has entrepreneurship cell which organize many events to inculcate entrepreneurship among students.
- The faculty and the students are encouraged to become members of professional bodies like CSI, ISTE, IEEE, ICE, SAE, etc.
- Advanced laboratories and innovation centers are established to nurture the creativity of the students and improve the research aptitude.
- Students are motivated to do projects works to display their innovative concepts.

2.6.5 How does the institution collect and analyze data on student learning outcomes and use it for planning and overcoming barriers of learning?

- The institution collects feedback from students, alumni, parents, employers etc., to measure the learning outcomes. The gap between the actual and expected outcome is identified and corrective action is taken.
- Internal and end semester examinations also help us to gauge the outcome. Based on the result of the internal test, coaching and additional classes are conducted to improve the students' performance. End semester examination results are taken into consideration to plan the next semester teaching activities.
- Alumni meetings are periodically conducted to identify the learning outcomes of the alumni.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

The institution has a clearly defined mechanism to monitor the learning outcomes.

- Student assessment records for each subject are maintained which consists of internal test and assignments.
- Various programs are organized like seminar, workshop, conference and resource lectures to ensure the achievement of the outcomes.
- Based on the participation and achievements of the student in competitive exams like GATE, GRE, TOFEL, etc.

2.6.7 Does the institution and individual teachers use assessment / evaluation as an indicator for evaluating student performance, achievement of learning objectives and planning? If “yes” provide details on the process and cite a few examples.

Yes, the institution uses the assessment as an indicator for evaluation.

Assessment includes

- Unit tests
- Internal assessment tests
- Seminars
- Model practical examinations
- Group discussion
- Project works

From these, the overall performance is evaluated. Scope for the improvement is identified and corrective actions are taken.

Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

- The institution establishes student centric learning process by following best practices in teaching, learning and evaluation process.

CRITERION - III

RESEARCH, CONSULTANCY AND EXTENSION

- 3.1 Promotion of Research**
- 3.2 Resource Mobilization for Research**
- 3.3 Research Facilities**
- 3.4 Research Publications and Awards**
- 3.5 Consultancy**
- 3.6 Extension Activities and Institutional Social
Responsibility (ISR)**
- 3.7 Collaboration**

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency / organization?

No, the institute has planned to apply for the research centre in the departments of Mechanical Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Civil Engineering and Electrical and Electronics Engineering.

Our institution has MoUs with the following organization for research and development.

- Pinnacle Engineering solutions, Hosur.
- ICTACT Academy
- VI Microsystems Pvt. Ltd.,
- Info media solutions, Bangalore
- Versatile solutions, Coimbatore
- Numeric Institute of CNC/CAD/CAMT Technology, Salem
- UMS-EDM Centre, Coimbatore
- Covai gears,
- Neolysis Technologies,
- Mind tree foundation ,Bangalore

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes, a committee is setup at the institution level to promote the research activities. The committee consists of the head of the departments and senior faculty members. This committee encourages faculty members to enroll in Ph.D programme. The committee also recommends the research scholars and faculty pursuing Ph.D to participate and present papers in reputed journals, seminars and conferences. This has created a good impact as is evidenced by the number of faculty coming forward to pursue Ph.D programme.

Research Committee Members:

S. No	Name	Department	Designation
1	Dr. K. Sundaramurthy, Vice Principal	MECH	Convener
2	Dr. R. Subramaniam, Dean	MECH	Member
3	Prof. K. Ramesh, HoD/ECE	ECE	Coordinator
4	Prof. R. Balasankar, HoD/EEE	EEE	Member
5	Prof. M. R. Subbarayan, HoD/AERO	AERO	Member
6	Prof. A. Kannammal, HoD/CSE	CSE	Member
7	Prof. G. Gokulakrishnan, HoD/S&H	S&H	Member
8	Prof. Y. N. Gayathri, HoD/MCA	MCA	Member
9	Prof. V. Sivakumar, HoD/MBA	MBA	Member
10	Prof. R. Arun	MECH	Member
11	Prof. C. Sriramakrishnan	ECE	Member
12	Prof. R. Yalini	EEE	Member
13	Prof. D. Sumathi	CSE	Member
14	Prof. Saa. Ezhilan	S&H	Member
15	Prof. R. Geetha Priya	MCA	Member
16	Prof. C. Boopathy	MBA	Member
17	Prof. U. Nilabar Nisha	IT	Member
18	Prof. S. Vinoth	AERO	Member

Impact of the research committee recommendations:

- Each and every department is keen in upgrading the department with research center status.
- Due to the constant support, encouragement and motivation given by the research committee, funded projects were obtained from various funding agencies such as DoS, MoES ., etc
- The compendium of the research articles published by the faculty and students in referred journals is available in library for research scholars, faculty and students.

- Awareness on various funding agencies for research activities.
- A forum is established to share knowledge especially theoretical and practical findings of research to enhance the quality of teaching and learning.
- Paper presentation in conferences /workshops /seminars has improved.
- The number of conferences /seminars / workshops organized either collectively or individually by departments has increased.
- A significant number of faculties are actively involving themselves in research activities.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes / projects?

- **Autonomy to the principal investigator**

The principal investigator whose projects are sanctioned by various funding authorities has autonomy in framing and executing the projects.

- **Timely availability or release of resources**

The research committee provides all resources in time for the smooth execution of the research projects.

- **Adequate infrastructure and human resources**

An excellent infrastructure with advanced equipments, software, high speed internet etc., is available to serve the needs of the students and faculty members.

- **Time-off, reduced teaching load, special leave etc. to teachers**

Faculties working on major research projects are given reduced academic work load. In addition, on duty leave is provided for attending the workshops / seminars /conferences relevant to their research projects and associated works.

- **Support in terms of technology and information needs**

The institute confirms the availability of advanced equipment and software with high end computers in all the disciplines of Engineering. Also there are seminar halls for each department with LCD projectors, audio visual arrangements to conduct conferences, seminars, etc., which will be a platform for knowledge sharing. Our central library consists of huge volume of books, references books, e- books, journals in various disciplines, etc.

➤ **Facilitate timely auditing and submission of utilization certificate to the funding authorities**

After executing and completing the externally funded project by the principal investigators, the institute arranges for auditing and making sure that the utilization certificate is submitted to the funding agency promptly.

➤ **Any other**

The institute creates a research ambience for the students and faculty team with industrial tie ups in order to meet the gap between the academics and industrial needs. Also the research culture brings out the innovative ideas of the students and faculty members.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and attitude among students?

- The institute has formed a research committee to cultivate and encourage the research and consultancy activities.
- Guest lectures and seminars by renowned academicians, researchers and industrialists to update the technological advancements, the ways to execute the research work and keep informed about the funds released by various authorities.
- Excellent laboratory facilities are setup to make use of the resources to turn out well in the project works.
- Faculty and students are made to publish their findings in the authorized publications.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual / collaborative research activity, etc)

- Few of our faculty members have successfully completed their doctoral degree with the constant encouragement provided by the management.
- A large number of our faculty members are actively progressing their research work to obtain the doctoral degree.
- Also the faculty members guide the students to make their project successful with the infrastructure and laboratories.

Faculty involvement in Guiding Research students / Higher Qualification / Research Projects during last 4 years

a) Faculty involvement in guiding research students:

Faculty name	Title of research
Dr. S.Anantha Padmanaban	Communication Systems

b) No. of faculty acquired higher qualifications

No. of faculty awarded Ph.D	:	08
No. of faculty submitted thesis for the award for Ph.D	:	01
No. of faculty pursuing Ph.D	:	21

c) Faculty undertaken Research Projects

Department of Aeronautical Engineering

S. No	Faculty guided	Title of the project	Name of the students
1	Prof. G.Suresh	Design and Fabrication of Pesticide Quad Copter(uav)	R. Shyam Sundar N.Shienson J.S.Joshi S.Rajasekaran
2	Mr.G.Suresh	Advanced Landing System	Akash Sukir.P Kalaiyaranan.E Sathish.C Sakthikannan.K
3	Mr.M.R. Subbarayan	performance prediction of a single stage axialflow turbine using meanline design approach	Sivastien.M.K Mallepulla Madhanmohan G.Rajkumar Kasiviswanathan.K
4	Mr.J.K.Bhushan	Numerical Simulation of Trapped Vortex combustor using CFD	Srithiraj.S Jesbinjose Jincil.M Sumith Justin
5	Mr.J.K.Bhushan	Optimization of Internal Cooling Configuration in Nozzle Guide vane using CFD	Vignesh.M Srimeiyazhagan.B Paneerselvam.S Syedbasha.J

Department of Civil Engineering

S. No	Faculty guided	Title of the project	Name of the students
1	Prof. R.Tamil Selvi	Creep Deformation of Reinforced concrete columns under risk and reliability of structures	G.K Abinaya
2	C.Muruganantham	Evaluation of groundwater quality in poultry farms in Namakkal taluk by using GIS and Remote Sensing Technique	G.Kabilan M.Karthikeyan R.Kuppuraj S.Manigandan
3	A.Venkatesan	Experimental investigation on Rubberized Concrete	R.Menakshi
4	K.P.Nagasuganthi	Uptake of fluoride content by low cost effective method	C.Kannan A.Krishnan M.Varadharaj

Department of Computer Science and Engineering:

S. No	Faculty guided	Title of the project	Name of the students
1	Prof. R. Suresh	Viral video sharing site	D.Tamizhselvan C.Manikandan M.Kalaiyarasu
		Article Spinner using inbuilt Thesaurus	S.Jayakumar J.kanagaraj M.Anbalagan
		Designing a Web Application For College Management System	M.Rajendran V.R.Suresh
2	Prof. D. Sumathi	Automatic Report Generation of college results	S.SivaSakthi S.Pandiyan M.Sankar M.Periyannan

Department of Electronics and Communication Engineering:

S. No	Faculty guided	Title of the project	Name of the students
1	Prof. D. Ilamparuthi	Federal Aviation Administration using Remote Airfield Lightning System	G. Infancia A. Arokiaselvarani
2	Prof. R. Vignesh	Multi-storey Building Lighting Automation	A. Arunadevi M. Jeevansurabi

		and Intensity Control Through DALI With WSN	M. Kadhambari
3	Prof. P. Srinivasan	Perceptual and Sensory Shared for Autonomy Mobile HRI System	S. Boomitha P. S. Deveya
4	Prof. K. Venkatesan	Shared steering control between a Driver and an Automation: Stability in the Presence of Driver Behavior Uncertainty	A.Deepa S.Divya B.Kavitha
5	Prof. J. Aishwarya	The system verilog implementation of high speed Vedic mathematics multiplier using compressors	C. Divyapadmavathi J. Monica steffy S. Priya
6	Prof. S. Indumadhi	Design and Implementation of Smart Home System using 3G Android Mobile Applications	K. Priya dharshini R. Priya dharshini
7	Prof. R. M. Surya	Efficient Geometric Feature Based Vehicle License Plate Recognition System	V. Mohana priya S. Kowshiga E. Kayalvizhi
8	Prof. M. G. Shyamala	Automatic Retail Store Using Wireless System	M. Komathi M. Kopperundevi R. Lalitha
9	Prof. N. Narmatha	A Voice Input Voice Output Communication AID for people with severe speech impairment with sign language translator	K. Amalasee G. Kalaivani S. Lalitha
10	Prof. M. S. Karthikeyan	E-notice board and advertisement banner system in college using ZIGBEE	A. Lisa Alex martina V. Nithya
11	Prof. N. Rupavathi	A Remote Measurement and Control System for Greenhouse based on GSM-SMS	R. Jagadeeshwari T. Mahalakshmi R. Mohanapriya

Department of Electrical and Electronics Engineering:

S. No	Faculty guided	Title of the project	Name of the students
1	Prof. R. Balasankar	Solar path finding vehicle	B. Noor-ul-alam A. Mohana Murali K. Mohan Prakash M. Sakthivel
		Hybrid Motor vehicle	D. M. Deepika B. MythiliDevi S. Lakshmi
3.	Prof. A. Ramachandran	Experimental evaluation of CMV and THD in the multi-level inverter used to drive IM and compare the results with the published paper.	J. Srinivasan

Department of IT:

S. No	Faculty guided	Title of the project	Name of the students
1	Prof. M. Rajagopal	Cloud operating system using PHP	M. Udhayakumar M. Balamurugan V. Manjunath
2	Prof. M. Senbagavalli	Implementation Of Secure Web Voting With Digital Signature & Multiple Encryptions Using RFID With SMS Results	S. Priya M. Kayalvizhi V. Thenmozhi
		Affinity Propagation With Background Knowledge Using Pair Wise Constraints	M. Navin Bharathi
		Web service consumption through RSS	R. Kanimozhi H. Priya K. Sowmiya Devi
		Students Feedback systems	C. Vinoth M. Navin Bharathi
3	Prof. N. Backiavathi	Student information system through SMS	M. Manjunath B. N. Kalpana J. Arunsuresh kumar
4	Prof. H. Ratna Mala Kiruba	Web forum for students	C. Vinoth K. Jeeva M. Kanmani

		Web application for channel organization	C. Sivasankari V. Priyanka
5	Prof. R. Saravana Kumar	Intelligent query system for student information	C. Vinoth M. Manjunath

Department of Mechanical Engineering

S. No	Faculty guided	Title of the project	Name of the students
1	Prof. S. Vasantha kumar	Experimental investigation and model analysis of composite drive shaft	S. Gopi
2	Prof. V. Mohanraj	Pedal drilling machine	P. Dhanasekar, S. Rajeshkumar
3	Prof. M. Vijayakumar	Fabrication of pneumatic multipurpose machine	S. Ganesan K. Imran
4	Prof. G. Arul Gandhi	Safety on passenger bus	R. Sridharan K. Tamilmani
5	Prof. D. Ilayaraja	Fabrication of pneumatic sheet metal cutting machine	S. Silambarasan B. Tamilselvam
6	Prof. P. Vetrivel	Chain less bicycle	R. Sobanbabu M. Thirupathi
7	Prof. R. Arun	Compressed air production vehicle suspension and power generation system	M. Kirubakaran V. Lakshmanan
8	Prof. T. Lenin	High speed hacksaw machine	M. Karthick S. Sivaraman
9	Dr. K. Sundramurthy	Fruit Plucking machine	G. Chitanya M. Chinnasamy
10	Prof. P. Yuthisthiran	Boiler tube failure analysis	A. Balaji

Department of MCA:

S. No	Faculty guided	Title of the project	Name of the students
1	Prof. A.F. Sheik Hakkani, Prof. R. SakthidharaPriya	Azhaguboomi Web Site Creation	S. Sivaprakasam, R. Vimal, V. Arul Rozario, N. Saranya, R. Karthigasri

3.1.6 Give details of workshops / training programmes / sensitization programmes conducted /organized by the institution with focus on capacity building in terms of Research and imbining research culture among the staff and students.

Many inter and intra departmental workshops, seminars, training programs are conducted to bridge the gap between the theoretical and practical knowledge which cultivates the thrust for research in the minds of faculty and students.

The following are the details of such activities conducted during last four years.
No. of Workshops/training Programmes/ Sensitization Programmes conducted/organized

2014-2015	2013-2014	2012-2013	2011-2012
13	14	28	20

3.1.7 Provide details of prioritized research areas and the expertise available with the Institution

Research sectors are formed based on the area of specialization of the research to form a platform for team work to share their knowhow to the peers and subordinates.

The research areas and the respective faculty expertise are given in the table below

Research Areas and expertise

S.No	Research Area	Faculty Expertise	Department
1	Dr. K. Sundramurthy	Machining / manufacturing	MECH
2	Prof. A. Ramesh Babu	Machining / manufacturing	MECH
3	Prof. D. Sumathi	Cloud computing	CSE
4	Prof. R .Thangam	Sensor Network with Data Mining	CSE
5	Prof. R. Saravanakumar	Data warehousing and data mining	IT
6	Prof. G. Gokulakrishnan	Image processing	IT
7	Prof. C. Sivakumar	Wireless sensor network	IT
9	Prof. U. Nilabar Nisha	Wireless sensor Network	IT
10	Prof. K. Krishnan	Cloud computing	IT
11	Prof. R. Balasankar	Renewable Energy	EEE

12	Prof. R. Yalini	Power Electronics	EEE
13	Prof. B. Gokulakrishnan	Power Quality	EEE
14	Prof. A. Ambika	Electric Drives And Control	EEE
15	Prof. K. Sridhar	Power Electronics	EEE
16	Prof. S. Jayapraba	Computer Networks	MCA
17	Prof. M. R. Subbarayan	IC Engine	CIVIL
18	Dr. Anantha Padmanaban	Digital Signal Processing	ECE
19	Prof. K. Ramesh	Power Quality	ECE
20	Prof. R. Valarmathi	Digital Image Processing	ECE

3.1.8 Enumerate the efforts of the institution in attracting researchers or eminence to visit the campus and interact with teachers and students?

The institute calls for eminent personalities to keep updated the research issues by propagating their knowledge among the faculty and students. The symposium and conference paves the platform for knowledge sharing which improves the research activities in the institute.

The following members visited the college during the last four years

Details of eminent researchers/resource persons visited the college during last four years

S.No	Name of resource person and organization	Activity conducted
Department Of Aeronautical Engineering		
1	Mr. V. Jayanth, Pilot, Indigo airlines	One day seminar about Flight
2	Mr. S. Vishvanathan, Scientist, NAL	One day seminar on Trends In Aeronautical
Department Of Civil Engineering		
1	Mr. Er. Samraj, Executive Engineer, PWD - WRO, Krishnagiri.	One day seminar on Structural Engineering
2	Mr. Er. Narasimman, Assistant Engineer, Highway Department, Dharmapuri	One day seminar on Concrete structures
3	Mr. S. Dhanasekaran, Planning Manager, L&T-ECC, Chennai	One day seminar on Road layout
4	Mr. P.Neela Varman, Manager,HCC, MUMBAI	One day seminar on Planning
5	Mr. S. Mathi Arasu, Manager, ITD Cementation India Ltd. Tuticorin.	One day seminar on Cementation

6	Mr. P. Venkatesh, Construction Manager, Sobha Construction, Bangalore.	One day seminar on construction layouts
7	Mr. Sudha Ramesh, Manager, QA&QC CCCL, Chennai	One day seminar on Quality assurance
8	Mr. Rupesh Mishra, Construction Manager, ITD Cementation India Ltd, DELHI.	One day seminar on Cementation
9	Mr. Satish Kumar Malladi, Project Manager, ITD Cementation India Ltd, ENNORE PORT.	One day seminar on Cementation
10	Mr. M. Varadaraj, Executive Manager, Afcons - Mumbai	One day seminar on constructions
Department Of Electronics and communication Engineering		
1	Mr. K. V. Sivaraman, Managing Partner, Samdesa Technologies	Workshop on basic needs of wireless communication and techniques involved.
2	Mr. V.Loganathan, R&D, ISM, Bangalore	Special lecture on microcontroller programming
3	Dr. Jayanthi Prof.ECE , Sona college of technology, Salem	Special lecture on digital image processing
4	Prof. R. Mahadevan, Scientist, ISRO, Bangalore	Guest Lecture on Antenna and Wave Propagation
5	Dr.Varaprasad, Scientist, ISRO,Bangalore	Guest Lecture on VLSI Design
6	Mr. Ravichandar Dhakshana moorthy, CEO, JSW Steel Limited, Salem	XETA National level Conference
7	Mr. V. Sakthivel, Assistant Professor, Paavai Engineering college	ATMEL Microcontroller in Embedded Design
8	Prof. Somnath Sengupta, Prof. ECE, IIT Kharagpur.	Signals and Systems
9	Mr. Thangavel. S, Additional Engineer, BSNL, Salem.	Fundamentals of Telecommunication
10	Dr. R. S. D. Wahidha Banu, Principal, Government College of Engineering,	Electromagnetic Fields
11	Mr. Vibore Gupta, Sr. Corporate Trainer, Kyrion Robo Works, Delhi.	Robotics
12	Mr. S. P. Ramanathan, Senior Design Engineer, Enixs Technology, Bangalore	Workshop on recent trends in Embedded systems
13	Dr. P. Lova Raju, Sr. Engineer, LBRCE Mylavaram	Guest Lecture on "Recent Developments in Aerospace Engineering."
14	P. Kiran Kumar, Sr. Logic Design Engineer, VLSI Corner	Workshop on VLSI design and implementation
15	R. Arangasamy, HOD/ECE, Paavai Engineering College, Namakkal	Bio Medical Signal Processing

16	Prof. Christie Manoraj. Professor GCE-Salem	A one day Workshop on Embedded Systems
17	A. Elaya Perumal, Professor, Anna university, Chennai	XETA National level Conference
18	Mr. B. George De Bel , Sr. Design Engineer, Honey well Technology	A one day Workshop on ASIC/FPGA System Design
19	Prof. Ranjan ,Professor, Jayam College of Engineering and Technology	Two day workshop on Digital image Processing
20	Dr. K. R. Murali, Research Scientist Central Electro Chemical Research Institute, Karaikudi	'Simulation of Electronic circuits using LABVIEW'
21	Sathish Kumar, Director VEE Xplore, Coimbatore	Analog, Digital & Mixed VLSI Design
22	Dr. R. S. Sabeenian, Professor, Sona college of Technology, Salem	One day workshop on Digital image Processing
23	Dr. R. S. D. Wahidha Banu, Principal, GCE Salem	A one day Seminar on Wireless Technology
24	Dr. R. S. D. Wahidha Banu, Principal, GCE Salem	XETA National level Conference
25	Mr. G. Manoj, Ms. Grace Jency	National workshop on IC System Design
26	Mr. Ramesh Lokshmi, General Manager, BSNL-Dharmapuri	A one day Workshop on Wireless transmission system
27	Mr. Suresh Reddy, JTO, BSNL-Pennagaram	A one day Workshop on Broad Band Technologies
28	Mr. C. P. Manas, JTO, BSNL-Dharmapuri	GSM(2G/3G) ,CDMA
29	Dr. B. Venkatesan, Director(R&D), Nanotech	A one day Seminar on LED'S
30	Mr. R. N. Chirania, Manager, Eu. Cube, Bangalore	A one day workshop on Technical Presentation on technologies and Academic projects
31	Mr. S. Prabakar, Director ,Cogent Automation, Chennai	Seminar on PLC and SCADA
32	Mr. Harikrishnan. G , Director, Zetta one Technologies ,Bangalore	"Digital Image Processing & Lab Practice"
33	Mr. Sundersan. G, R&D, Sands Instrumentation Pvt. Ltd. Chennai	Basic challenges in digital signal processing and working filters of Mat lab
34	Mr. Jayakanth. R, Sr. Application engineer, Computer India Coimbatore	Program on Working of medical electronics instruments
35	Mr. Krishna. G, Technical head , Adityaa Semiconductor Bangalore	One day workshop on development of semiconductors and its

		applications
36	Dr. S. Rashavan, Professor, NIT Trichy	XETA National level Conference
37	Mr. Arul Murugan, Manager, Micro Tech Pvt. Ltd, Coimbatore	A one day Seminar on Embedded System
38	Mr. K. Vaithinathan, Manager, RR Circuit solution, Hosur	Two day Workshop on PCB Design and Process
39	Mr. Mohanatha Sankar Kumar, Application Engineer Lab tech ,Chennai	IETE Chapter workshop on Graphical System design using Lab View
40	Mr. Rajasekar, Director, Rana Solutions, Salem.	Guest Lecture on Embedded System
41	Mr. Prabhu. R, Director, G-power, Chennai	"Research Challenges - VLSI Design"
42	Mr. P. Padmaloshani, Associate Professor, Paavai Engineering College, Namakkal	Process Control & Instrumentation
43	Shri. S. R. T. Rama Swamy, Executive Manager Efftronics Systems Pvt. Ltd.	PIC Microcontrollers for Embedded Systems
Department Of Electrical and Electronics Engineering		
1	Dr. C. Murali, Assistant Professor, GCE Salem	Guest Lecture on control systems
2	Mr. Vaithiyathan, Trainer, R.R. circuit Solutions	Workshop on PCB
3	Mr. Perumal, Trainer, Optimums Technologies	Guest Lecture on embedded systems
4	Head of training Department, Trainer, MSIC Chennai	Workshop on PCB
5	Dr. J. Christymanoraj ,Professor, GCE Salem	Guest Lecture on Microprocessor and Microcontrollers
6	Mr. K. Subramani , Trainer, Industrialist Chennai	Guest Lecture on Networks
7	Mr. K. Perumal, Trainer, SSS Technology, Dharmapuri	Workshop on PLC
8	Dr. C.Murali, Assistant professor, GCE Salem	Guest Lecture on control systems
9	Dr. D. Thandapani, Professor, Principal JCET	Workshop on Intelligent techniques
10	Dr. J. Christymanoraj, Professor, GCE Salem	Guest Lecture on Machines
11	Dr. J. Christymanoraj, Professor, GCE Salem	Guest Lecture on control systems
12	Prof. B. Srinivasan, Professor, KSR College of Engg, Tirucengode	Guest Lecture on Power systems
13	Mr. Vetri, Deputy director, NPIT, Chennai	Guest Lecture on networks
14	Dr. J. Christymanoraj, Professor, GCE Salem	Guest Lecture on Machines
15	Mr. Vaithiyathan, Trainer, R.R. Circuit	Workshop on PCB

	Solutions	
16	Mr. Abi Kalyan, Trainer, PPM, CCTS-Chennai	Workshop on PLC
Department Of Mechanical Engineering		
1	Mr. K. Parivallal, CEO, DMW CNC centre.	Entrepreneurship development programme
2	Dr. R. Vijayan, Associate Professor, HOD, GCE, Salem.	Workshop on CFD thermal engineering
3	Dr. R. Sasikumar, Dean, Selvam college of Engg	Seminar on Advanced optimization techniques
4	Mr. K. Boopathi, Scientist and unit chief I/C, Center For Wind Energy Technology, Chennai.	Seminar on Green Energy Technology
5	Mr. Arun V Jalan, Vice President and SBU Head, Kotak Power Limited, Bangalore	Seminar on Green Energy Technology
6	Prof. N. Thiyagarajan, Retd. Scientist, ISRO	Seminar on Indian Space Program
7	Dr. S. Senthil Kumar, Professor, VIT University	Workshop on Advanced Manufacturing System & Automation
Department Of Computer Science and Engineering		
1	Mr. V. Siva Kumar, Adhiyamaam College of Engineering	Guest Lecture on Computer Networks
2	Mr. V. Lakshmananarayanan ICTACT, Coimbatore	Workshop on Cloud Computing
3	Mr. V. Balaj, ICTACT, Coimbatore	Add on Course on Ethical Hacking
4	Mr. Bhanu Kumar NIT Data Global Delivery Services Ltd	Workshop on Unleashing the cloud & virtualization
5	Mr. G. Mathan Kumar ICTACT, Coimbatore	Seminar on Open Source Tools and Components
6	Mr. Shanmugavel, Senior Trainer of ICTACT	Workshop on Android Programming & Application Development
7	Dr. T. Lalitha, Professor Sona College of Technology	Seminar on Research methodology
8	Mr. R. Krishnan Rajagopalan Novell Software Development India Pvt Ltd	Guest Lecture on Advanced Computer Architecture
9	Mr. RaviKumar Ramadoss Infosys, Bangalore	Guest Lecture on Probability And Queuing Theory
10	Dr .M. Thilagavathy Adhiyamaan College of Engineering	Seminar on Database Management System
11	Dr. N. Ramesh, Government Arts College for Men	Workshop on Green Computing
12	Mr. G. Prakash Sona College of Technology, Salem	Workshop on IITB Spoken Tutorial
13	Dr. N. Ramesh	Guest lecture on Formal

	Government Arts College for Men	Languages and Theory
14	Mr. T. Senthil Kumar Amrita University	Guest lecture on High Speed Networks
15	Mr. Adarsh Rajput Geeks Lab Technologies	Guest Lecture on Probability Queuing Theory
16	Mr. R. Krishnan Rajagopalan Novell Software Development India Pvt. Ltd	Guest Lecture on Theory of Computation
17	Mr. Veerapuram Vardhan Research & Development, Novell Software Development India Pvt. Ltd	Seminar on Open Source Tools and Components
18	Mr. B. Madhusudhanan, R&D , IIT Madras	Seminar on research methodology
19	Mrs. Reshmi, IIT , Bombay	Workshop on IITB Spoken Tutorial
20	Mr. T. Senthil Kumar, Amrita University	Workshop on green computing
21	Ms. R. Bhuvaneswari, Selvam College of Tech, Namakkal	Guest lecture on Formal Languages and Theory
22	Mr. G. Venkatesh , ICTACT, Chennai	Seminar on Database Management System
Department Of Information Technology		
1	Ms. Fathima, HOD/IT Adhiyaman College of Engineering and Technology	Guest Lecture on Service Oriented Architecture
2	Mr. Sakthivel. B, HOD/CSE P.S.V College of Engineering and Technology	Guest Lecture on Probability And Queuing Theory
3	Mr. Siva Kumar. R, Software Engineer PHI Learning Private Limited, Delhi	Seminar on mobile computing
4	Prof. Srinivasan. T.R, Professor Vivekanadha Engineering College, Namakkal	Guest Lecture on data structure and algorithm
5	Ms. Ramani, Senior Software Engineer Optimus Technologies and Solution, Coimbatore	Seminar on Multicore management
6	Ms. Hajeera Bagum. N, Software Engineer Hexaware Technology, Chennai	Seminar on Web programming
7	Mr. Suresh Kumar. C, Software Engineer SCUDE Technologies, Chennai	Seminar on Programming
8	Ms. Hajeera Bejum.N, Software Engineer Hexaware Technology, Chennai	Seminar on Technical Training Program
9	Mr. Elangovan. A, Honey Well Technology, Bangalore	Seminar on Web Technology
10	Mr. Prasana Vignesh, Software Engineer Zylog system, Chennai	Seminar on Web Programming
11	Mr. Tamilarasu. K, Professor , Department of CSE , JCET	Guest Lecture on cryptography and network

		security
12	Ms. Suganthi. P, Assistant Professor P.S.V College of Engineering and Technology	Seminar on enterprise computing
13	Mr. Senthil Kumar. T, Assistant Professor Amrita Deemed University, Coimbatore	Seminar on multimedia systems
14	Mr. Naveen, Head-Campus Recruitment Mind Tree Ltd	Seminar on Web Programming
15	Mr. Senthil Kumar. T, Assistant Professor Amrita Deemed University, Coimbatore	Guest Lecture on Object oriented analysis and Design
16	Ms. Revathi. V, Assistant Professor Adhiyaman College of Engineering	Guest Lecture on XML and web services.
Department Of Master of Computer Applications		
1	Dr. T. Lalitha, Professor Sona College of Technology	Guest lecture on open source systems
2	Prof. G. Bagyavathi, Professor, Govt. College	Guest lecture on computer graphics
3	Mr. M. S. Subramanian Dy. General Manager (Retd.) NSIC, Chennai.	Guest lecture on Network security
4	Mr. T. Prabakaran Managing Director Neolysi Technologies Pvt. Ltd.,	Guest lecture on Placement opportunities
Department Of Master of Business Applications		
1	Mr. K. Babu Rtd. Manager-Production Rane Engine Valves Ltd, Chennai	Seminar on situational managers
2	Mr. Joe Ramos Rtd. Associate center Director of the Dryden Flight Research Center, NASA	Seminar on Research Methodology
3	Mr. Thomas Smith, Rotarian USA	Seminar on Logistics in export
4	Mr. V. Nagarajan Rtd. HR-Manager TTK Prestige Ltd, Hosur	Seminar on Quality management and managerial excellence
5	Dr. A. Velavan, Professor & Head, Dept. of Business Administration Govt. Arts College, Dharmapuri	Seminar on Business administration
6	Tmt. R. Lilly, IAS District Collector office, Dharmapuri	Seminar on IAS
7	Dr. K. Balasubramani, Former South India Head Accentia Education Pvt. Ltd	Seminar on Business Management
8	Mr. Puli. S. Saravanan, Regional Turnaround Director, Shell Eastern Petroleum Pte Ltd	Seminar on Management
9	Mr. Rajendhiran, Associate Vice President, Jindal Steel Works	Seminar on Managerial excellence

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

The institute provides Sabbatical leave for the faculties involving in research activities. However the faculty members normally register for part time PhD so that they contribute both to academics and research activities.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness / advocating / transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

- Research activities are shared among faculty and students.
- Students are encouraged to read journal papers to enhance their knowledge in recent trends.
- Institution organizes workshops, conferences, symposium etc., periodically on emerging research topics.
- Listed below are some of the research findings of the institution that are implemented as project works through our faculty and students.

Department of Aeronautical Engineering:

S. No	Title of the project	Students involved	Faculty involved
1	Design and Fabrication of Pesticide Quad Copter(uav)	R. Shyam Sundar N.Shienson J.S.Joshi S.Rajasekaran	Prof. G.Suresh

Department of Civil Engineering

S. No	Title of the project	Students involved	Faculty involved
1	Creep Deformation of Reinforced concrete columns under risk and reliability of structures	G.K Abinaya	Prof. R.Tamil Selvi
2	Evaluation of groundwater quality in poultry farms in Namakkal taluk by using GIS and Remote Sensing Technique	G.Kabilan M.Karthikeyan R.Kuppuraj S.Manigandan	C.Muruganantham
3	Experimental investigation on Rubberized Concrete	R.Menakshi	A.Venkatesan
4	Uptake of fluoride content by low cost effective method	C.Kannan A.Krishnan M.Varadharaj	K.P.Nagasuganthi

Department of Computer Science and Engineering:

S. No	Title of the project	Students involved	Faculty involved
1	Viral video sharing site	D. Tamzhiselvan, C. Manikandan, M. Kalaiyarasu	Prof. R. Suresh
2	Article Spinner using inbuilt Thesaurus	S. Jayakumar, J. Kanagaraj, M. Anbalagan	Prof. R. Suresh
3	Designing a Web Application For College Management System	M. Rajendran, V. R. Suresh	Prof. R. Suresh
4	Automatic Report Generation of college results	S. SivaSakthi, S. Pandiyan, M. Sankar, M. Periyannan	Prof. D. Sumathi

Department of Electronics and Communication Engineering:

S. No	Title of the project	Students involved	Faculty involved
1	Authorized hybrid 5.8GHz Electric polarized waves based on wireless power transmission in automobile	Albin mathew Arunpandian. A Gopirathinam. M Jobish baby	Prof. K. Arulmani
2	Secure data accessing and multiple device function control from android smart phone without using internet	Dinesh.Y Govindaraj .K Karthik.R	Prof. G. Vadivel
3	Effective User Interface Design For Self-Controlled Heterogenous Rescue ROBOTICS	Arun kumar.K Elavarasan.S Govindasamy.R	Prof. V. Sivaranjini
4	Motion controlled HMI input device for computer	Gnana prakash.C Gnana sekar.P Gokul.D	Prof. N. Deivamalar
5	Microsensor mode for Monitoring indoor quality with power optimization	Gopinath.R Jeganathan.N Muthusamy.V Raja.C	Prof. N. M. Lavanya
6	Distributed signal	Gokulprasath.M	Prof. N. M. Anandhan

	Modelling of Efficient wireless body area network	Gokulraj.M Parthipan.C	
7	RFID based Navigation system for unmanned wireless material handling vehicles using Arduino	Poompozhi.S Ragunandhan.P Rajesh.S	Prof. N. M. Anandhan
8	Low complexity global motion tracking based on compressed video segmentation and recording system	Ponmaharaja.E.S Prabakaran.S Ramdash.N	Prof. V. Tharani
9	Harvesting low ambient integration scheme for RF autonomous source measurement system	Manikandan.A Manikandan.A Murali.K	Prof. B. Karthick
10	Multi - Target Detection and Tracking Intelligent Autonomous Vehicle System	Dharani.S Pushpalatha.S Radha.T	Prof. G. Nanjappan
11	Hardware Development of a Microcontroller board for a small satellite	Punitha.M Ragapriya.N Rameeza.N	Prof. A. Karthi

Department of EEE:

S. No	Title of the project	Students involved	Faculty involved
1.	Solar path finding vehicle	B. Noor-ul-alam A. Mohana Murali K. Mohan Prakash M. Sakthivel	Prof. R. Balasankar
2.	Experimental evaluation of CMV and THD in the multi-level inverter used to drive IM and compare the results with the published paper.	J. Srinivasan	Prof. A. Ramachandran
3.	Hybrid Motor vehicle	D.M.Deepika B.MythiliDevi S.Lakshmi	Prof. R. Balasankar

Department of IT:

S. No	Title of the project	Students involved	Faculty involved
1	Student information system through SMS	M. Manjunath B.N. Kalpana J. Arunsuresh kumar	Prof. N. Backiavathi
2	Web forum for students	C. Vinoth K. Jeeva M. Kanmani	Prof. H. Ratna Mala Kiruba
3	Affinity Propagation With Background Knowledge Using Pair Wise Constraints	M. Navin Bharathi	Prof. M. Senbagavalli
3	Web application for channel organization	C. Sivasankari V. Priyanka	Prof. H. Ratna Mala Kiruba
4	Web service consumption through RSS	R. Kanimozhi H. Priya K. Sowmiya Devi	Prof. M. Senbagavalli
5	Intelligent query system for student information	C. Vinoth M. Manjunath	Prof. R. Saravana kumar
6	Students Feedback systems	C. Vinoth M. Navin Bharathi	Prof. M. Senbagavalli

Department of Mechanical Engineering:

S. No	Title of the project	Students involved	Faculty involved
1	Experimental investigation and model analysis of composite drive shaft	S. Gopi	Prof. S. Vasantha kumar
2	Pedal drilling machine	P. Dhana sekar, Mr. S. Rajesh kumar	Prof. V. Mohanraj
3	Fabrication of pneumatic multipurpose machine	S. Ganesan K.Imran	Prof. M. Vijayakumar
4	Safety on passenger bus	R. Sridharan K. Tamilmani	Prof. G. Arulgandhi
5	Fabrication of pneumatic sheet metal cutting machine	S. Silambarasan B. Tamil selvam	Prof. D. Ilayaraja
6	Chain less bicycle	R.Sobanbabu M.Thirupathi	Prof. P. Vetrivel
7	Compressed air production vehicle	M. Kirubakaran V. Lakshmanan	Prof. R. Arun

	suspension and power generation system		
8	High speed hacksaw machine	M.Karthick S.Sivaraman	Prof. T. Lenin
9	Fruit Plucking machine	G. Chitanya M. Chinnasamy	Dr. K. Sundra murthy
10	Boiler tube failure analysis	A. Balaji	Prof. P.Yuthisthiran

Department of MCA:

S. No	Title of the project	Students involved	Faculty involved
1	Azhaguboomi Web Site Creation	S. Sivaprakasam, R. Vimal, V. Arul Rozario, N. Saranya, R. Karthigasri	Prof. A. F. Sheik Hakkani, Prof. R. Sakthidhara Priya

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

1-2 % of revenue is utilized towards R & D. This fund is utilized under following heads.

- Purchase of advanced equipments
- Purchase of Books, journals and magazines
- Organizing workshops, training programmes, seminars and conferences.
- Incentives for the faculties attending workshops conferences etc.,
- Incentives for their publications in reputed journals.
- Sponsoring funds for students innovative projects.

Budget Allocation and Utilization

Academic year	2014-2015		2013-2014		2012-2013		2011-2012	
	Allocated [Rs]	Utilized [Rs]	Allocated [Rs]	Utilized [Rs]	Allocated [Rs]	Utilized [Rs]	Allocated [Rs]	Utilized [Rs]
Conference/Symposium	2,00,000	1,85,000	2,00,000	1,60,000	1,50,000	1,25,000	1,25,000	1,00,000
In-House R & D	2,50,000	2,40,000	2,00,000	1,53,000	1,50,000	1,15,000	1,00,000	72,000
Workshops/seminars/FDP	50,000	42,000	50,000	40,000	50,000	48,000	20,000	17,000
Association	15,000	12,000	15,000	10,000	10,000	9,000	10,000	8,000
Total	5,15,000	4,79,000	4,65,000	3,63,000	3,60,000	2,97,000	2,55,000	1,97,000

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed by the facility in the last four years?

Seed money is provided by the institution to encourage the research activities. In addition to that all necessary support in terms of infrastructure and reference materials is provided. The amounts utilized by the faculty of various departments are listed below.

Department of Computer Science and Engineering:

S. No	Name of the faculty	Event Name	Date	Amount Received Rs
1.	Prof. A. Kannammal	Load Rebalancing Using Map Reducing Task for Distributed File System in Cloud	March 2015	1,500
2.	Prof. A. Kannammal	Performance Evaluation of Top K-Query Using Elastic Routing Table	March 2015	1,500
3.	Prof. D. Sumathi	Enhancing Image Re-Ranking Using Average RGB Algorithm	April 2015	1,500
4.	Prof. D. Sumathi	Improving efficiency of HEFT scheduling algorithm in cloud environment.	April 2015	1,500
5.	Prof. D. Sumathi	A Trust model for providing ubiquitous sc- aas in an cloud infrastructures	March 2015	1,500
6.	Prof. M. Nandhini	Performance Evaluation of top K query using elastic routing table.	March 2015	1,500
7.	Prof. S. Sankar	Knowledge based shadow detection and removal in color images.	March 2015	1,500
8.	Prof. S. Sankar	Robust Face Recognition Technique Using PCA Algorithm and Back Propagation Neural Network	March 2015	1,500
9.	Prof. S. Sankar	A Novel Flame Algorithm for Mining Frequent Sequential Patterns in Large Sequence Datasets	April 2015	1,500
10.	Prof. P. Ramya	Data Leakage detection in WSN Using Signature Generation.	March 2015	1500
11.	Prof. P. Ramya	A frame work for user behavior monitoring cloud using flexible group key generator.	March 2015	1,500
12.	Prof. R. Keerthana	Futuristic computing and communication technologies.	March 2015	1,500
13.	Prof. R. Keerthana	Enchaining the Performance of Manet by using PUMA	March 2015	1,500
14.	Prof. N.R. Jayashree	Minimization of Route in Ammnet using Energy Efficient Reliable Routing Algorithm	April 2015	1,500
15.	Prof. N.R. Jayashree	Message Authentication & Source Privacy using BAC Technology in WSN	March 2015	1,500
16.	Prof. A. Kannammal	Monitoring And Detecting Malware Behavior in Mobile Cloud Infrastructure	April 2014	1,500

17.	Prof. R. Kavipriya	High Speed Pool of Aggregated Data in Multi Hop Wireless Network	March 2014	1,500
18.	Prof. D. Sumathi	Dynamic big data storage on cloud using secure erasure code cloud storage system	Feb 2014	1,500
19.	Prof. R. Suresh	Significant Throughput Improvement in Hybrid Wireless Networks using PMRC and PSDC	Feb 2014	1,500
20.	Prof. M. Nandhini	Detecting sinking behavior in wireless Adhoc Networks using SVM and FDA	Feb 2013	1,500
21.	Prof. S. Sankar	Knowledge Based Active Visual Segmentation	January 2013	1,500
22.	Prof. S. Sankar	Object Identification and Knowledge Base Segmentation	Feb 2013	1,500
23.	Prof. P. Ramya	Resource Controlled Replica Allocation Cluster for Secured MANET against Selfish Nodes	January 2013	1,500
24.	Prof. P. Ramya	Secured MANET against Selfish Nodes using Resource Controlled Replica Allocation Cluster	March 2013	1,500
25.	Prof. I. Anbarasu	Reliable Test Cases Extraction Using Simple K-Means Clustering Algorithm	March 2013	1,500
26.	Prof. R. Sathyaseelan	Preventing phishing page by three level filtering using MPB	March 2013	1,500
27.	Prof. P. Sathishkumar	Hop Optimal Algorithm With Greedy Link Scheduler To Avoiding Link Failure For MultihopWireless Networks	April 2013	1,500
28.	Prof. P. Sathishkumar	Detection Of Clone Attacks For Wireless Sensor Networks Using Red Protocol And Rawl	April 2013	1,500
29.	Prof. P. Sathishkumar	Balanced Security In Multi Agent System	April 2013	1,500
30.	Prof. R. Thangam	Increasing The Link Quality Through Maximizing Throughput In Wireless Mesh Networks	March 2013	1,500
31.	Prof. R. Thangam	Mobile Application For Accessing The Data Through Mobile Devices: A Survey	March 2013	1,500
32.	Prof. R. Thangam	Level Set Bias Field Corrected Mammogram Image and Threshold Segmentation for Breast cancer detection	March 2013	1,500
33.	Prof. A. Kannammal	Zone based stateless transmission in MANET	March 2013	1,500
34.	Prof. A. Kannammal	Non Parametric Colour image Segmentation Using mean Shift Clustering and MDL Principle	March 2013	1,500
35.	Prof. N.R. Jayashree	Big Data Insights.	Feb 2015	1,000

36.	Prof. I. Anbarasu	Big Data Insights.	Feb 2015	1,000
37.	Prof. D. Sumathi	Computer Vision, Image Processing techniques and Data Analytics.	Feb 2015	1,000
38.	Prof. C. Arivazhagan	Database Design and programming with SQL	Dec 2014	1,000
39.	Prof. M. Nandhini	Database Design and programming with SQL	Dec 2014	1,000
40.	Prof. D. Sumathi	Aneka -Tools (Cloud Implementation)	Nov 2014	1,000
41.	Prof. M.S. Lakshmi	Aneka –Tools (Cloud Implementation)	Nov 2014	1,000
42.	Prof. P. Sathish kumar	Wired and wireless protocol design using NS2	Sep 2014	1,000
43.	Prof. C. Arivazhagan	Wired and wireless protocol design using NS2	Sep 2014	1,000
44.	Prof. A. Kannammal	Doing PhD Research in International Perspective	Aug 2013	1,000
45.	Prof. M.S. Lakshmi	Doing PhD Research in International Perspective	Aug 2013	1000
46.	Prof. A. Kamakshi	Doing PhD Research in International Perspective	Aug 2013	1,000
47.	Prof. C. Arivazhagan	ASP.Net Programming.	Jan 2015	1,000
48.	Prof. K. Kavitha	Introduction to J2EE	Nov 2014	1,000
49.	Prof. S.Sankar	Introduction to J2EE	Nov 2014	1,000
50.	Prof. P.Ramya	Introduction to J2EE	Nov 2014	1,000
51.	Prof. K.Kavitha	Cloud Infrastructure and Services.	Dec 2014	1,000
52.	Prof. S.Sankar	Cloud Infrastructure and Services.	Dec 2014	1,000
53.	Prof. M.S.Lakshmi	Cloud Infrastructure and Services.	Dec 2014	1,000
54.	Prof. M.Nandhini	Cloud Infrastructure and Services.	Dec 2014	1,000
55.	Prof. S.Sathyaseelan	Cloud Infrastructure and Services.	Dec 2014	1,000
56.	Prof. C.Arivazhagan	Cloud Infrastructure and Services.	Dec 2014	1,000
57.	Prof. I.Anbarasu	Cloud Infrastructure and Services.	Dec 2014	1,000
58.	Prof. D.Sumathi	Cloud Infrastructure and Services	Aug 2014	1,000
59.	Prof. I.Anbarasu	PHP with MySQL	Sep 2014	1,000
60.	Prof. A.Kannammal	Cloud Computing	March 2014	1,000
61.	Prof. S.Shobana	Cloud Computing	March 2014	1,000
62.	Prof. K.Premalatha	Cloud Computing	March 2014	1,000
63.	Prof. M.S.Lakshmi	Cloud Computing	March 2014	1,000
64.	Prof. A.Kamakshi	Cloud Computing	March 2014	1,000
65.	Prof. P.Sathish kumar	Cloud Computing	March 2014	1,000
66.	Prof. R.Sathyaseelan	Cloud Computing	March 2014	1,000
67.	Prof. S.Joan Jebamani	Cloud Computing	March 2014	1,000
68.	Prof. P.Ramya	Cloud Computing	March 2014	1,000
69.	Prof. K.Kavitha	Cloud Computing	March 2014	1,000
70.	Prof. R.Kavi priya	Unleashing the Cloud and Virtualization	March 2013	1,000
71.	Prof. S.Shobana	Unleashing the Cloud and	March 2013	1,000

		Virtualization		
72.	Prof. R.Suresh	Unleashing the Cloud and Virtualization	March 2013	1,000
73.	Prof. K.Premalatha	Unleashing the Cloud and Virtualization	March 2013	1,000
74.	Prof. M.S.Lakshmi	Unleashing the Cloud and Virtualization	March 2013	1,000
75.	Prof. A.Kamakshi	Unleashing the Cloud and Virtualization	March 2013	1,000
76	Prof. D.Anitha	Unleashing the Cloud and Virtualization	March 2013	1,000
77.	Prof. C.Arivazhagan	Unleashing the Cloud and Virtualization	March 2013	1,000
78.	Prof. A.Kannammal	Awareness and training for faculty about new outcome Based Accreditation(OBA) processes of NBA	August 2013	1,000
79.	Prof. R.Kavi priya	Awareness and training for faculty about new outcome Based Accreditation(OBA) processes of NBA	August 2013	1,000
80.	Prof. S.Shobana	Awareness and training for faculty about new outcome Based Accreditation(OBA) processes of NBA	August 2013	1,000
81.	Prof. R.Suresh	Awareness and training for faculty about new outcome Based Accreditation(OBA) processes of NBA	August 2013	1,000
82.	Prof. R.Kavi priya	Orientation Programme for Faculty	Nov 2013	1,000
83.	Prof. K.Premalatha	Orientation Programme for Faculty	Nov 2013	1,000
84.	Prof. M.S.Lakshmi	Orientation Programme for Faculty	Nov 2013	1,000
85.	Prof. M.Nandhini	Orientation Programme for Faculty	Nov 2013	1,000
86.	Prof. K.Kavitha	Orientation Programme for Faculty	Nov 2013	1,000
87.	Prof. P.Ramya	Orientation Programme for Faculty	Nov 2013	1,000

Department of Electronics and Communication Engineering:

S.No	Name of the Faculty	Event Name	Date	Amount Received [Rs]
1	Prof. N.M.Anandhan	ICECIT 2012 - International Conference on Emerging Trends in Electrical, Communication and Information Technologies	Dec 2012	1,500
2	Prof. R.Valarmathi	NCCSPE 12	Dec 2012	800

3	Prof. G.Nanjappan	ICECIT 2012 - International Conference on Emerging Trends in Electrical, Communication and Information Technologies	Dec 2012	1,500
4	Prof. N.Rupavathi	ONCAAE	Jan 2013	800
5	Prof. R.M.Surya	AICEAS-2013 - International Joint Journal Conference on Engineering and Applied Science	Dec 2013	1,800
6	Prof. V.Sivaranjini	AICEAS-2013 - International Joint Journal Conference on Engineering and Applied Science	Dec 2013	1,800
7	Prof. G.Vadivel	National Level workshop on Mobile Learning	Aug 2013	300
8	Prof. S.Lavanya	ICWSNIS 2013 - International Conference on Wireless Sensor Networks & Information Security	Dec 2013	2,100
9	Prof. A.Karthi	Workshop on Solid state Device modeling and Simulation	Nov 2013	1,000
10	Prof. R.Vignesh	Workshop on Solid state Device modeling and Simulation	Nov 2013	1,000
11	Prof. S.Venkatesh	Workshop on Solid state Device Modeling and Simulation	Nov 2013	1,000
12	Prof. S.Kalpana	NCICC'15 - First National Conference On Innovations In Computing & Communication	Dec 2014	600
13	Prof. V.Tharani	NCICC'15 - First National Conference On Innovations In Computing & Communication	Dec 2014	600
14	Prof. N.Narmatha	NCICC'15 - First National Conference On Innovations In Computing & Communication	Dec 2014	600
15	Prof. P.Srinivasan	Signal Processing Application Using Matlab	Sep 2015	500
16	Prof. C.Sriramakrishnan	Signal Processing Application Using Matlab	Sep 2015	500
17	Prof. Saraswathi.S	Induction program for NFIT	Sep 2015	1,500
18	Prof. Anju.S	Induction program for NFIT	Sep 2015	1,500
19	Prof. S.Imayavalli	Induction program for NFIT	Sep 2015	1,500
20	Prof. R.Priyanka	Induction program for NFIT	Sep 2015	1,500
21	Prof. Somasekar.M	OSGIS-2015 - National Conference on Open Source GIS	Oct 2015	800

Department of Information Technology:

S. No	Name of the faculty	Event Name	Date	Amount Received Rs
1	Prof. U. Nilabar nisha	ICTACT- Kavery Engg. College, Mechari.	March 2014	1,500
2	Prof. M. Vijayakumar	K.S.R. College Of Technology, Tiruchencode.	March 2013	3000
3	Prof. R. Saravanakumar	Lakshminarayana poly,Dharmapuri	Feb 2012	3,000

Department of Mechanical Engineering:

S. No	Name of the faculty	Event Name	Date	Amount Received Rs
1	Prof. R. Manjunathan, Prof. P. Vetrivel	FDP For IC Engine	July 2013	3,000
2	Prof. R. Arun	400 TH R&D Consultancy meeting celebration	Feb 2012	4,000
3	Prof. R.Arun	Entrepreneurship Development programme	Dec 2011	2,000
4	Dr.K.Sundramurthy	NDT workshop	March 2011	34,000

Department of MCA:

S.No	Name of the Faculty	Event Name	Date	Amount Received Rs
1	Prof. S.Jayapraba	Wireless Network Security	March 2014	1,000
2	Prof. R.Suganya	Wireless Network Security	March 2014	1,000
3	Prof. S.Jayapraba	TITCON	April 2015	1,000
4	Prof. Y.N.Gayathri	TITCON	April 2015	1,000
5	Prof. M.Selvam	TITCON	April 2015	1,000
6	Prof. S.Jayapraba	ISCO	Jan 2015	2,000

3.2.3 What are the financial provisions made available to support student research projects by students?

Financial support is provided to the students for implementing their innovative ideas through the research projects. Arrangements are also made for getting sponsorship from some of the companies for certain specified projects taken up by the students.

Department of Aeronautical Engineering

S. No	Title of the Project	Batch Members	Faculty Guided	Industry Name
1	Design and Fabrication of Pesticide Quad Copter(uav)	4	Prof. G.Suresh	Barola Aero Sports - Chennai
2	Advanced Landing System	4	Mr.G.Suresh	NSIC - Chennai
3	performance prediction of a single stage axialflow turbine using meanline design approach	4	Mr.M.R. Subbarayan	NAL- Bangalore
4	Numerical Simulation of Trapped Vortex combustor using CFD	4	Mr.J.K.Bhushan	Jet Wing Technologies - Bangalore
5	Optimization of Internal Cooling Configuration in Nozzle Guide vane using CFD	4	Mr.J.K.Bhushan	Jet Wing Technologies - Bangalore

Department of Civil Engineering:

S. No	Title of the Project	Batch Members	Faculty Guided	Industry Name
1	Creep Deformation of Reinforced concrete columns under risk and reliability of structures	1	Prof. R.Tamil Selvi	SERC - Chennai
2	Evaluation of groundwater quality in poultry farms in Namakkal taluk by using GIS and Remote Sensing Technique	4	C.Muruganantham	PWD Water sample Test Centre - Pollachi
3	Experimental investigation on Rubberized Concrete	1	A.Venkatesan	NLC - Neyveli
4	Uptake of fluoride content by low cost effective method	3	K.P.Nagasuganthi	PWD - Dharmapuri

Department of Computer Science and Engineering:

S. No	Title of the project	Name of the students	Amount sanctioned from college / other sectors Rs
1	Billing Software for PN Jewels, Dharmapuri	S.Vijaykumar	25,000
2	Billing Software for Dasappa Banana Merchant,Palacode	R.Vimalarajan	10,000

Department of Electronics and Communication Engineering:

S. No	Title of the project	Name of the students	Amount sanctioned from college / other sectors Rs
1	Authorized hybrid 5.8GHz Electric polarized waves based on wireless power transmission in automobile	Albin mathew Arunpandian. A Gopirathinam. M Jobish baby	16,000
2	Secure data accessing and multiple device function control from android smart phone without using internet	Dinesh. Y Govindaraj .K Karthik. R	13,000
3	Effective User Interface Design For Self-Controlled Heterogeneous Rescue ROBOTICS	Arun kumar.K Elavarasan.S Govindasamy.R	15,000
4	Motion controlled HMI input device for computer	Gnana prakash.C Gnana sekar.P Gokul.D	15,000
5	Micro sensor mode for monitoring indoor quality with power optimization	Gopinath.R Jeganathan.N Muthusamy.V Raja.C	12,000
6	Distributed signal modeling of efficient wireless body area network	Gokulprasath.M Gokulraj.M Parthipan.C	15,000
7	RFID based Navigation system for unmanned wireless material handling vehicles using Arduino	Poompozhil.S Ragunandhan.P Rajesh.S	15,000
8	Low complexity global motion tracking based on compressed video segmentation and recording system	Ponmaharaja.E.S Prabakaran.S Ramdash.N	16,000
9	Harvesting low ambient integration scheme for RF autonomous source measurement system	Manikandan.A Manikandan.A Murali.K	15,000
10	Multi - Target Detection and Tracking Intelligent Autonomous Vehicle System	Dharani.S Pushpalatha.S Radha.T	14,000
11	Hardware Development of a Microcontroller board for a small satellite	Punitha.M Ragapriya.N Rameeza.N	15,000

Department of EEE:

S. No	Title of the project	Name of the students	Amount sanctioned from college / other sectors Rs
1.	Solar path finding vehicle	Noor-ul-Alam A.Mohana Murali	22,000
2.	Experimental evaluation of CMV and THD in the multi-level inverter used to drive IM and compare the results with the published paper.	J.Srinivasan	10,000
3.	Hybrid Motor vehicle	D.M.Deepika B.Mythilidevi	10,000

Department of Mechanical Engineering:

S.No	Title of the project	Name of the students	Amount sanctioned from college / other sectors Rs
1	Hydel power plant	Sabarivel. S	10,000
2	Space shuttle	K. Sathick basha	15,000
3	Pep-Juicer	V. Boobalab	6,500
4	Solar AVG	D.S. Sriram	3,000
5	Combination of solar windmills generation	B. Ethish	5,000
6	Design and fabrication of suspension system	T.Rameshbabu	2,500
7	Design and manufacturing of strain gauge based milling tool dynamometer	J. Kamalachakravarthi	10,000

3.2.4 How does the various departments/units/staff of the institute interacting undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

- The institute promotes the department to undergo interdisciplinary research by attending and organizing workshops and seminars.
- The institute organizes national level workshops, symposium and conferences every year to update the technological up comes.
- Our college students of different departments actively participated as a team to show their talents and evidenced some of the projects in our college campus.

S. No	Title of the project	Department Involved	Amount received from institute Rs
1	Hydel power plant	MECH, EEE, CIVIL	10,000
2	Design And Fabrication Of Hexo Copter	MECH, AERO, ECE	2,40,000
3	Pep-Juicer	MECH, CIVIL	6,500
4	Solar AVG	MECH, EEE	3,000
5	Combination of solar windmills generation	MECH, EEE, CIVIL	5,000
6	Space Shuttle	MECH, AERO	15,000
7	Solar path finding vehicle	EEE,MECH	22,000
8	Billing Software for PN Jewels,Dharmapuri	CSE,IT,MCA	25,000
9	Billing Software for Dasappa Banana Merchant,Palacode	CSE,IT,MCA	10,000

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

The institute has developed some research laboratories by procuring research specific equipment /instruments and software. Using these lab facilities, the faculty carries out experimental work on research projects and publishes the results.

The institute possesses an excellent library stuffed with large variety of books, journals digital inputs which facilitate a conducive research ambience.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

Yes, we received grants from various organizations like AICTE, DoS, MoES etc

S. No	Project Name	Funded by	Total Grants Received Rs
1	Remote sensing	Department of Science	25,000
2	Advanced surveying	AICTE	8,32,000
3	Remote sensing &GIS	Ministry of Earth Science	1,50,000

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

The college is making all efforts to undertake funded projects. The completed projects are listed below.

S.No	Faculty Name	Project Title	Funds Received Rs	Status
1	Prof. G.Vadivel Assistant Professor	Hair pin bend signaling and accident prevention system-TNSCST	6,000	Completed
2	Dr.G.Tholkappiarasu Professor	IIPC implementation of IIPC project	Rs.800000	Completed

The grants received from various funding agencies are listed below

S.No	Name of the Programme	Funded by	Funds Received Rs
1	Seminar grant on signals, systems and communication	AICTE	75,000
2	Faculty development programme on Cloud infrastructure as a Servile	ICTACT	15,000

The college encourages the faculty to get research projects and provide motivational incentives by enhancing credentials for promotions / appraisals.

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

- High speed internet is provided through LAN and Wi-fi to access the on line contents.
- Central Library provides access to the Magazines, e-journals, back volumes etc.,
- Well equipped laboratories with advanced facilities are available to carry out the research activities.

List of Major Equipments in the department laboratories:

Department of Aeronautical Engineering:

S. No	Lab Name	Name of the equipment	Cost in Rs
1	Aero Engine Repair & Maintenance Lab	Jet Engine	1,25,370
2	Aero Dynamics	Wind Tunnel	6,20,815
3	Aircraft Propulsion Lab	Thin Wall Pressure Test Jet	4,25,938
4	Aircraft Structure Repair Lab	MIG Plasma Welding	117,316
5	Aircraft Structure-II	Beam Test Setup	1,75,443
6	Aircraft Structures-I	Column Test Apparatus	2,33,314
7	Aircraft System Lab	Aircraft	17,98,390
8	Avionics Lab	Microprocessor Kit-8085, Milstd 1553 Remote Terminal	2,59,000

Department of Computer Science and Engineering:

S. No	Lab Name	Name of the equipment	Cost in Rs
1	JAVA/IP	HP Elite i3(38)	8,36,000
2	DS/Project Lab	ACER Veriton dual core(36)	7,81,200
3	OS/open source lab	HP pro Dual core(38)	10,07,760
4(1)	CG/DBMS	HP pro 3090 MT Core Duo(14)	3,71,280
4(2)	CG/DBMS	HP Elite i3(6)	1,34,640
4(3)	CG/DBMS	ACER Veriton Dual core(18)	3,51,000
5	Network/SS	Acer veriton Dual core (38)	7,40,982
6	OOPS	Acer veriton Dual core (38)	7,40,982
7	PG Lab	HP G430 Notebook i3(18)	5,03,987
8	RESEARCH CENTRE	HP Xw4550 Workstation PC AMD opteron 1220	3,00,000
9	CP-1	Hp Compaq MultiSeat 6000 Desktop Core to Quad(40)	6,00,000
10	CP-1	ACER i3(30)	6,51,000

Department of Civil Engineering:

S. No	Lab Name	Name of the equipment	Cost in Rs
1	Hydraulic Engineering Lab	Notch Calibration Apparatus	75,140
2	Hydraulic Engineering Lab	Apparatus For Friction in pipes	79,118
3	Hydraulic Engineering Lab	Apparatus for Orifice meter & Venturimeter & Rotameter	78,676
4	Strength Of Materials Lab	UTM of minimum 400 KN capacity (i) Double shear test attachments (ii) Mechanical extensometer	2,47,487
5	Strength Of Materials Lab	Hardness testing machine (Vickers cum Brinell)	86,698
6	Soil Engineering Lab	Triaxial shear apparatus	1,57,500
7	Concrete and highway Lab	Compression Testing Machine - 2000 kN with digital display	2,78,269
8	Survey Lab	Nikon Total Station	3,00,000
9	Survey Lab	Standard Theodolite model	1,78,500

Department of Electronics and Communication Engineering:

S. No	Lab Name	Name of the equipment	Cost in Rs
1	Analog And Digital Circuits Lab And Circuits And Simulation Lab	30 MHZ Dual Trace Oscilloscope With Component Tester	1,22,820
2	Communication Systems Lab	Amplitude Modulation Transmitter Kit	52,874
3	Communication Systems Lab	Spectrum Analyser With Built In Tracking Generator	1,10,500
4	Communication Systems Lab	HAMAG model	1,22,800
5	Microprocessor And Microcontroller Lab	MAGNA 85C-8085 Based Advanced Kit With Power Supply Rtc & Battery Backup	62,500
6	Digital Signal Processing Lab	TMS320C6713 Based Starter Kit	1,04,500
7	VLSI lab	Basic FPGA Trainer	97,200
8	VLSI lab	ACER Veriton M200 Desktop PC	3,41,775
9	Optical And Microwave Lab	Fiber Optical Analog Transmitter KIT-FCL 01	1,76,723
10	Optical And Microwave Lab	Dual Wavelength Fibre Optic Laser Source And Detector Module	94,500
11	Electronics System Design Lab	Hp 430 INTEL I3-370 GB (QG621PA) 1GB DDR3 PC3-10600SNLAPTOP RAM	3,11,998

Department of Electrical and Electronics Lab:

S. No	Lab Name	Name of the equipment	Cost in Rs
1.	Electrical Machines Lab I&II	DC Series Generator	42,250
2.	Electrical Machines Lab I&II	DC Compound Generator	42,250
3.	Electrical Machines Lab I&II	DC Shunt Generator	66,000
4.	Electrical Machines Lab I&II	Alternator	50,128
5.	Electrical Machines Lab I&II	Three Phase Auto Transformer	79,200
6.	Power Electronics And Drives Lab	SR Motor Power Module	1,37,875
7.	Power Electronics And Drives Lab	1 Hp SR Motor Spring Balance Setup	2,20,650
8.	Power Electronics And Drives Lab	FPGA Based PWM Controller	1,21,000
9.	Power Electronics And Drives Lab	3 Phase VSI Power Module	1,36,100
10.	Power Electronics And Drives Lab	Self Control Operation Of Synchronies Motor	1,30,000
11.	Power Electronics And Drives Lab	GW INSTEK Digital Storage Scope	66,420
12.	Power Electronics And Drives Lab	1 HP SR Motor Spring Balance Setup	2,20,650
13.	Power Electronics And Drives Lab	3 Phase VSI Power Module	1,36,100
14.	Power Electronics And Drives Lab	24V PMDC Motor Setup	1,17,200
15.	Power Electronics And Drives Lab	Self Control Operation Of Synchronies Motor	1,30,000

Department of IT:

S. No	Lab Name	Name of the equipment	Cost in Rs
1	C11-Dbms/Oops Lab	HP540 T5470-Laptop	1,50,000
2	PG15-Internet Programming Lab	HP540 T5470-Laptop	7,50,000
3	C12-Dsa/Os Lab	Compaq 515 Laptop	9,45,000
4	A15-Case Tools Lab	Compaq 515 Laptop	6,48,000
5	A14-Computer Practice Lab	Acer Vertion M200	5,64,200

Department of Mechanical Engineering:

S. No	Lab Name	Name of the equipment	Cost in Rs
1	Manufacturing Technology Lab -I & II	Lathe& Special machines	8,16,187
2	Manufacturing Technology Lab -I & II	Horizontal Milling Machine	3,01,500
3	Manufacturing Technology Lab -I & II	Vertical Milling Machine	46,920
4	Manufacturing Technology Lab -I & II	Surface Grinding Machine	2,46,000
5	Manufacturing Technology Lab -I & II	Shaping Machine - 18"	70,000
6	Manufacturing Technology Lab -I & II	Slotting Machine	1,07,659
7	Manufacturing Technology Lab -I & II	Universal Radial Drilling Machine	3,01,500
8	Manufacturing Technology Lab -I & II	Power Hacksaw Machine	46,920
9	Manufacturing Technology Lab -I & II	Horizontal Milling Machine	2,46,000
10	Manufacturing Technology Lab -I & II	Digital Milling Tool Dynamometer	22,443
11	Manufacturing Technology Lab -I & II	Tool Makers Microscope	34,200
12	Manufacturing Technology Lab -I & II	Gear Hobbing Machine - Module 4	4,56,000
13	CAD/CAM LAB	CNC LATHE	16,66,765
14	CAD/CAM LAB	CNC MILLING	19,10,947

Department of MBA:

S. No	Lab Name	Name of the equipment	Cost in Rs
1.	Statistical Package for Social Science Lab	Acer PC desktop	21,700
2.	Statistical Package for Social Science Lab	HP PC desktop	54,000
3.	Statistical Package for Social Science Lab	HP printer	8,499
4.	Statistical Package for Social Science Lab	Compaq Laptop with Charger	8,58,000
5.	Statistical Package for Social Science Lab	HP laptop without charger	25,000
6.	Statistical Package for Social Science Lab	Benq LCD projector	25,000
7.	Statistical Package for Social Science Lab	Promethen Active Board	75,000

Department of MCA:

S. No	Lab Name	Name of the equipment	Cost in Rs
1	Java Lab	Hp 430 Laptop (40)	9,14,285
2	Open Source Lab	Hp Compaq NX6110	11,98,740
3	C/C++ Lab	Desktop computers	27,500
4	DBMS Lab	LCD Monitor	27,500
5	C/C++ Lab	TVS MSP 345 Dot matrix Printer	11,900
6	Java Lab	Net Gear	5,800
7	Java Lab	Acer LCD Monitor with CPU	43,400
8	Java Lab	LCD Projector with try code stand	15,000

List of softwares:**Department of Aeronautical Engineering:**

S.No	Lab Name	Name of the software	Cost Rs
1	AERO CAD LAB	AUTO CAD 2010	2,90,000

Department of Computer Science and Engineering:

S. No	Lab Name	Name of the software	Cost Rs
1	PG-LAB, RESEARCH LAB, CP-I, CP-II, JAVA/IP, DS/PROJECT LAB, OS/OPEN SOURCE LAB, DBMS/CG, SS/Network LAB, OOPS/OOAD	JAVA,C++, Microsoft Office - 97 & McAfee Antivirus & Microsoft Windows	Freeware, Freeware, 19,500 & 10,000 & 234,000
2	DS/PROJECT LAB	.NET	Freeware
3	OS/OPEN SOURCE LAB	MACRO MEDIA FLASH	Freeware
4	DBMS/CG, DS/PROJECT LAB	ORACLE 11g	44,334
5	SS/Network LAB, JAVA/IP	NET BEANS	Freeware
6	OOPS/OOAD	RATIONAL ROSE	Freeware
7	OOPS/OOAD, DBMS/CG	VISUAL STUDIO	3,670
8	PROJECT LAB, RESEARCH LAB	AUTO CAD	1,53,000
9	OS/OPEN SOURCE LAB, DBMS/CG, SS/Network LAB	FEDORA	FREWARE / OPEN SOURCE

Department of Civil Engineering:

S.No	Lab Name	Name of the software	Cost
1	GIS LAB & CAD LAB	STAAD PRO	150000
2	CAD LAB	AUTO CAD	50000

Department of Electronics and Communication Engineering:

S.No	Lab Name	Name of the software	Cost
1	Digital Electronics Lab Vlsi Design Linear Integrated Circuit	XILINX EDITION III/MODEL SIM	30,680
2		XILINX 13.4	1,21,500
3		B2 SPICE	85,000
4	Analog And Digital Lab	ORCAD V9.2	OPEN SOURCE
5		TINA PRO SOFTWARE&KEY	OPEN SOURCE
6	Microprocessor and Microcontroller Lab	TASM/MASM SIMULATOR	OPEN SOURCE
7	Digital Signal Processing Communication System	MATLAB WITH SIMULINK AND SIGNAL PROCESSING TOOL BOX(R2012a)	6,34,252
8		MATLAB WITH COMMUNICATION TOOL BOX	
9	Computer Networks	NET SIMULATOR	2,25,000
10		ViRt Sim	14,140
11	Research Lab Embedded system Design LAB Digital Signal Processing Lab	QUARTUS-II	1,50,000
12		EMBEST IDE TOOL	OPEN SOURCE
13		CODE COMPOSSER STUDIO	OPEN SOURCE

Department of Electrical and Electronics Engineering:

S.No	Lab Name	Name of the software	Cost Rs
1.	Research Lab	MAT LAB Software	1,03,680
2.	Research Lab	SIMULINK Software	80,500
3.	Power System Simulation Lab	MIPOWER Software	1,97,600

Department of Information Technology:

S.No	Lab Name	Name of the software	Cost Rs
1	C11-Dbms/Oops Lab	Microsoft Windows 95	3,600
		Microsoft Office - 97	19,500
		Microsoft Visual C++	3,610
		Microsoft Visual Basic	3,670
		5.0,Microsoft Windows	6,250
		2000 Prof.,Microsoft	16,250
		Windows NT Server	44,334
		Oracle 11g	

2	PG15-Internet Programming Lab	Oracle, Microsoft SQL IIS, Personal Webserver IE, Safari, Opera	open source software
3	C12-Dsa/Os Lab	Borland C/C++ Suit Windows, OS X, Solaris	4,100 open source software
4	A15-Case Tools Lab	Rational Rose Microsoft office suite, WordPerfect Suite, ixx Oracle, Microsoft SQL IIS, Personal Web server	open source software
5	A14-Computer Practice Lab	Borland C/C++ Suit Microsoft Office - 2000 Suit Microsoft Office – 97	4,100 10,600 19500

Department of Mechanical Engineering

S.No	Lab Name	Name of the software	Cost Rs
1	CAD / CAM LAB	ANSYS SOFTWARE [60 users]	5,15,000
		SOLID WORKS [60 users]	3,01,600
		CAD/CAM software(IDEAS)	78,150
		CAM software (CNC programming and tool path simulation for FANUC, Cinumeric and Heiden controller)	2,60,000
2	MECHATRONICS LAB	Lab view - Software	1,22,195

Department of Science and Humanities:

S.No	Lab Name	Name of the software	Cost Rs
1	Language lab	HI-Class language software	1,45,000

Department of Master of Business Administration:

S.No	Lab Name	Name of the software	Cost Rs
1	Training IBM Rational Software Architecture	Visual modeling with UML	3,06,720
2	Statistical Package for Social Science Lab	SPSS	2,33,950

Department of Master of Computer Applications:

S.No	Lab Name	Name of the software	Cost Rs
1	C/C++ Lab, Java Lab, DBMS Lab, Open Source Lab	Windows 7	8,000
2	C/C++ Lab, Java Lab, DBMS Lab, Open Source Lab	Microsoft Office 2007	8,000
3	C/C++ & Graphics Lab	C/C++ Compiler	Open Source
4	Java Lab	Jdk 8.0	Open Source
5	Java Lab	Netbean 8.0	Open Source
6	DBMS Lab	MySQL	Open Source
7	Open Source Lab	Rational Rose	Open Source
8	Open Source Lab	WAMP Server	Open Source
9	Java Lab	Apache Tomcat 8.0	Open Source
10	All Lab	Avast Free Antivirus	Open Source

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

- Faculties are encouraged to apply for research fund from the funding agencies like AICTE, DoS ,MoES etc.,
- Budget is provided to carry out the research activity
- Latest equipments and software are procured to upgrade our research facilities.
- Collaborative research is encouraged through interaction with industry.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If yes, what are the instruments / facilities created during the last four years?

Yes, our institution has received grants from the funding organization

S.No	Name of the research projects	Name of the funding agency	Total grant sanctioned (Rs)
1	MODROB Edusat /ET Implementation an optimized Virtual Learning Strategy.	AICTE	5,00,000
2	Workstation enabled open source(Linux)tools for innovative programming methodologies	AICTE	9,50,000

3.3.4 What are the research facilities made available to the students and research scholars outside the campus /other research laboratories?

- All research scholars can avail laboratory facilities of Anna University, Chennai
- Research scholars make use of the facilities available in the institution where their supervisor is working
- The MoUs with various industries provides access to the facilities to carry out research and projects.

Department of Aeronautical Engineering:

S. No	Title of the Project	Batch Members	Faculty Guided	Industry Name
1	Optimization of supersonic nozzle	4	Prof. S. Vinoth	HAL Bangalore

Department of Computer Science and Engineering:

S. No	Title of the Project	Batch Members	Faculty Guided	Industry Name
1	Minimization Of Routing Path In Ammnet Using Energy Efficient Reliable Routing Algorithm	3	Prof. N. R. Jayashree	FOSTRA Technologies
2	Distributed File Load Rebalancing Methodology For Map reduce System	3	Prof. M. Nandhini	MindBridges Technologies
3	Virtual Machine Migration Datacenter Overbooking In Cloud	3	Prof. P. Ramya	Bellatrix Global Solutions
4	A Secure Erasure Code Based Code Based Cloud Storage System	3	Prof. D. Sumathi	Uniq Technologies
5	Rate less Code Based Data Discovery With Erasure Code	1	Prof. N. Kayalvizhi	Adhityaa Infomedia Solutions
6	Automatic Data Backup & Recovery Using Abe	3	Prof. N.R.Jayashree	Adhityaa Infomedia Solutions
7	Framework Monitoring For User Behavior Monitoring In Cloud Using Flexible With Group Key Generation	3	Prof. P.Ramya	Adhityaa Infomedia Solutions
8	DSA based secure Intrusion detection system for MANET's	2	Prof. A.Kannammal	MS Software Solutions

9	Personal Health Record Maintenance in cloud using novel attribute based Encryption	2	Prof. K.Kavitha	Bellatrix Global Solutions
10	On Demand Resource Allocation in Cloud Computing Using VM Ware	3	Prof. K.Premalatha	HCL career Development Center
11	Review of Behavior Malware Analysis for Android	3	Prof. I.Anbarasu	HCL career Development Center
12	A Novel Steganography Approach	2	Prof. A.Kamakshi	HCL career Development Center
13	Cloud Bandwidth based on prediction and Network Traffic Elimination system using PAK	2	Prof. S.Shobana	HCL career Development Center
14	Optimal Vehicular Routing And Driving Detection with Human Intelligence	3	Prof. R.Sathyaseelan	MindBridges Technologies
15	A Asymmetric Bargaining Solution in multiuser relay networks	3	Prof. P.Ramya	Bellatrix Global Solutions
16	A Peer to Peer sharing resources on cloud based social mobile TV (Cloud MOV)	2	Prof. S.Shobana	HCL career Development Center
17	MAC for reliable routing in wireless mesh network	2	Prof. S.Joan Jebamani	Nanosoft Technologies
18	An efficient Data storage in cloud computing using secure dynamic auditing protocol	2	Prof. R.Kavipriya	HCL career Development Center
19	Secured ATM Transactions to avoid counterfeiting tracing attacks	3	Prof. S.JOAN JEBAMANI	HCL career Development Center
20	Preventing Hackers From Mobile Health Monitoring in cloud	2	Prof. D.Sumathi	HCL career Development Center
21	Optimizing Cloud Resources for delivering IPTV services through Video on Demand(VoD)	3	Prof. S.Sankar	CEGONSOFT
22	Nice Network Intrusion Detection & counter measure selection in virtual network system	2	Prof. M.S.Lakshmi	HCL career Development Center
23	Cloud downloading Service by using automatic mode selection	2	Prof. M.S.Lakshmi	HCL career Development Center
24	A Novel Privacy Preserving Protocol For Firewall	3	Prof. D.Sumathi	fostra TECHNOLOG

	Optimization			IES
25	E-Voting Using RFID Authentication Protocol	2	Prof. D.Anitha	HCL career Development Center
26	Distributed file load rebalancing methodology for Map reduce system	2	Prof. M.Nandhini	MindBridges Technologies
27	Cloud bandwidth based on prediction and network traffic eliminating system	2	Prof. S.Shobana	HCL career Development Center
28	Application That Works Under Gestures By Using Sixth Sense Technology	3	Prof. P.Sathish kumar	HCL career Development Center
29	Query Handling System Using Lucene Algorithm	3	Prof. P.SATHISH KUMAR	APEX TECHNOLOGIES
30	Identification Of Clone Node Using RDE And Chrod Algorithm	3	Prof. S.Shobana	HCL career Development Center
31	Online Banking with Prequel Detection	2	Prof. R.Kavipriya	HCL career Development Center
32	Sanitization Technique to Prevent Inference Attack on Social Networks Data	2	Prof. R.Kavipriya	HCL career Development Center
33	Providing QoS to OFDMA Wireless networks for supporting multimedia services	4	Prof. S.CHANDRASEKARAN	iFACT
34	Network Based Path Segments Using CROSS Layer Techniques	4	Prof. N.Gajalakshmi	iFACT
35	A Secure Mobile Health Care System	4	Prof. N.Gajalakshmi	iFACT
36	Fuzzy key based search on Google device	4	Prof. R.Subalakshmi	iFACT
37	Vehicle tracking system using android terminals	4	Prof. S.Shobana	iFACT
38	Scrutiny and computation of student results from website	4	Prof. A.Kannammal	iFACT
39	Cross Layer Interaction of TCP and AD-Hoc Routing Protocol in Multihop IEEE 802.11 Network	2	Prof. M.Vinoth Kumar	Olivesoft Technologies Solutions

Department of Electronics and Communication Engineering:

S. No	Title of the Project	Batch Members	Faculty Guided	Industry Name
1	Commercial Grade Agri Spraying prototype with a payload of approx 500-1000gms	4	Prof. K. Ramesh	Barolo Aerospace Limited, Chennai

Department of EEE:

S. No	Title of the Project	Batch Members	Faculty Guided	Industry Name
1	Sequential Timer for an Auto drain Valve	5	Prof. R. Balasankar	Jindal South West Private Limited, Salem

Department of IT:

S. No	Title of the Project	Batch Members	Faculty Guided	Industry Name
1	Industrial man power resource organizer(IMPRO)	4	Prof. R.Saravanakumar	Harita seating systems limited, Hosur.
2	Expedite message authentication protocol for vehicular ad-hoc networks	3	Prof. G.Gokula krishnan	Systems domain, Bangalore.
3	Social ethical aspects of data mining	4	Prof. K. Krishnan	Cube, Bangalore
4	Achieving secure scale fine grained data access control in cloud computing.	3	Prof. M. Senbagavalli	Cube, Bangalore
5	Ensuring Distributed Accountability For Data Sharing In The Cloud	3	Prof. N.Backiavathi	Annapolis Technologies
6	Development of hotel booking reservation with online money transaction processing.	2	Prof. C.Sivakumar	P.K.V.Web developers
7	Web application for congregation and globalization.	3	Prof. G.Gokula krishnan	N.DOT Technology.
8	Dynamic audit services for outsourced storages in cloud	3	Prof. P.Selvi	Banesto soft

Department of MBA:

S. No	Title of the Project	Batch Members	Faculty Guided	Industry Name
1.	A study on welfare measures of employees in GCL India Pvt Ltd, Bangalore	1	Prof. V. Sivakumar	GCL India Pvt Ltd, Bangalore
2	A study on Employee Attrition in knitvel needles pvt Ltd., Hosur	1	Prof.T. Shanmugapriya	Knitvel needles Pvt. Ltd., Hosur
3.	A Study on quality of work life in Jindal Steel works Ltd, Salem	1	Prof.P. Vimalanathan	Jindal Steel works Ltd, Salem
4	A study on Employee Relationship management in Titan Industries, Hosur	1	Prof. C. Boopathy	Titan Industries, Hosur
5.	A study on cash management in Greenland textile printers, Erode	1	Prof. K. Ravindran	Greenland textile printers, Erode
6.	A study on effectiveness of service providing private banks to the customer in Chettinad Cement Corporation Ltd, Puliur, Karur	1	Prof. G. Kiruthika	Chettinad Cement Corporation Ltd, Puliur, Karur
7.	A study on competency skill matrix in V. R. Foundries, Coimbatore	1	Dr. B.G. Ramaraj	V.R. Foundries, Coimbatore

Department of MCA:

S. No	Title of the Project	Batch Members	Faculty Guided	Industry Name
1	Software Development for Processing of Ground Truth Data Collected over Antarctica with ratio radiometer and use of atmospheric software : MODTRAN	1	Prof. S.Jayapraba	ISRO - Bangalore
2	Reconstruction of MARS color Images from bayer pattern Images	1	Prof. R.Suganya	ISRO - Bangalore
3	District Disaster Management Information System	1	Prof. S.Jayapraba	ISRO - Hyderabad
4	Clustering Algorithm for Text Classification	1	Prof. R.GeethaPriya	ISRO - Hyderabad
5	Self Reconfigurable Wireless MESH Networks	1	Prof. R.Geethapriya	ISRO - Hyderabad

3.3.5 Provide details on the library /information resource center or any other facilities available specifically for the researchers?

S. No	Description	Particulars
1	Carpet area of Library	1563 Sq.M.
2	Reading space	460 Sq.M.
3	Number of seats in reading space	400
4	Number of users(Issues)	150 / per day
5	Number of Users (Reading Space)	300 / per day
6	Timings	Academic (working days): 8.30AM to 6.00PM Holidays & Vacation:9.00 AM to 4.30PM
7	Number of Library Staff	08(Qualified staff-7 Supporting staff-1)
8	Number of Library staff with degree in Library Mgmt.	05
9	Computerization for search, Indexing issue/return records?	Yes OPAC Facility on MODERNLIB Software
10	Bar-coding used?	Yes
11	Library services on internet/intranet	Yes
12	INDEST or other similar membership?	Yes (IEEE Digital Library, J-GATE, ASTM-DL and DELNET collections available)
13	Archival of precious /rare/Heritage books/publication	Available
14	NPTEL & Other Multimedia Courses	Yes, NPTEL 129 Subjects are provided in the Library
15	Print Journals	128
16	Back Volumes	1311
17	Project Reports	1683
18	CD ROMS	2381
19	e-books	10010

Variety of Titles and Volumes per Title

S.No	Department	Title	Volume	e-books
1	AERO	690	1748	500
2	Civil	2147	4122	1275
3	CSE	2515	5392	1637
4	ECE	2589	5789	1687
5	EEE	1529	3349	1050
6	IT	1431	3257	1150
7	MECH	2421	5865	1762
8	MBA	2233	5820	1875
9	MCA	2033	4421	1250
10	S&H	-	3799	-
11	M.E [CSE]	606	1070	-
12	M.E[AE]	458	867	-
13	M.E[ED]	350	628	-
14	M.E[PED]	389	719	-
15	M.E[STRUCTURAL]	280	489	-
16	M.E[THERMAL]	215	440	-
17	M.TECH[IT]	275	460	-

Journal subscription and internationally acclaimed titles

S.No	Department	National Journal	International Journal
1	AERO	6	6
2	Civil	18	18
3	CSE	12	15
4	ECE	18	36
5	EEE	6	9
6	IT	6	6
7	MECH	18	18
8	MBA	30	30
9	MCA	6	8
10	S&H	-	-
11	M.E [CSE]	-	2
12	M.E[AE]	-	2
13	M.E[ED]	-	2
14	M.E[PED]	-	2
15	M.E[STRUCTURAL]	-	2
16	M.E[THERMAL]	-	2
17	M.TECH[IT]	-	2

Digital Library

S.No	Description	Particulars
1	Availability of Digital Library Contents	Yes NPTEL Video Lessons e-books, Previous question papers, Tutorials.
2	Number of Courses	CSE, ECE ,EEE, IT, Mech, Civil, MBA, MCA, M.Tech & ME (CSE, APE, TE, SE, PED, ED)
3	Number of E-books	10010
4	Availability of Exclusive server	YES
5	Availability of Internet/Intranet	YES
6	Availability of Exclusive space/room for DL	YES
7	Number of Users per Day	150

3.3.6 What are the collaborative researches facilities developed / created by the research institutes in the college? For ex. Laboratories, library, instruments, computers, new technology etc.

Our institution has continuous interaction with industries for collaborative research.

Some of the companies who have MoU with as are

- Pinnacle Engineering solutions, Hosur.
- ICTACT Academy
- VI Microsystems Pvt. Ltd.,
- Info media solutions, Bangalore
- Versatile solutions, Coimbatore
- Numeric Institute of CNC/CAD/CAMT Technology, Salem
- UMS-EDM Centre, Coimbatore
- Covai gears,
- Neolysis Technologies,
- Mind tree foundation ,Bangalore

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

- ❖ Patents obtained and filed (process and product) -- Nil
- ❖ Original research contributing to product improvement -- Nil
- ❖ Research studies or surveys benefiting the community or improving the services

The institute / department encourages the students and faculty to utilize the laboratories, library, computer centre and software for carrying out their research projects and also provides facility for obtaining the necessary information and technology from external sources. The college also makes budget provisions to procure necessary equipment for experimental projects, subscribes to research journals to strengthen the library with latest journals, reference books and text books. Journals are subscribed by the library to facilitate the need of the researchers. The digital library also caters to the same need of research articles and reference e-books.

Some of the surveys conducted for the benefit of the community are

- A study on Employee relationship management towards TITAN industries, Hosur.
- A study on Employee motivation and JSS satisfaction in Eastman exports at Tiruppur
- A study on Employee performance appraisal in SKM porna rice brand oil Ltd., at Erode
- A study on Customer satisfaction in TITAN industries at Hosur

❖ Research inputs contributing to new initiatives and social development

Our college students are eagerly taking part in preparing the working models and displaying to show their research thrust like hydro power plant, wind mill etc.

S. No	Title of the project	Department involved	Cost Estimation	Amount received from institute
1	Design and fabrication of Hexocopter	AERO,MECH,ECE	2,50,000	2,40,000
2	Viral video sharing site	CSE,IT	15,000	15,000
3	Pep-Juicer	MECH, CIVIL	8,000	6,500
4	Solar AVG	MECH, EEE	5,000	3,000

5	Combination of solar windmills generation	MECH, EEE, CIVIL	8,000	5,000
6	Web application design	CSE,IT,MCA	10,000	8,000
7	Solar path finding vehicle	EEE,MECH	25,000	22,000
8	Student feedback system	CSE,IT,MCA	10,000	8,500
9	Azhaguboomi website creation	CSE,IT,MCA	10,000	10,000
10	Fruit plucking machine	MECH, CIVIL	10,000	8,000

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

Nil

3.4.3 Give details of publications by the faculty and students:

❖ **Publication per faculty**

The faculty and students show keen interest in research activities and publish their results in various national and international journals.

Department of Aeronautical Engineering:

S. No	Faculty and student name	Title of the paper	Journal Name	Published year
1	Prof. M. R. Subbarayan	An experimental investigation of performance and emission characteristics of diesel engine with blends of cottonseed oil methyl ester with cold and hot EGR.	International Journal of Ambient Energy. Published online:	2015
2		Study of DI diesel engine fuelled with blends of pumpkin oil methyl ester using EGR technique.	International Journal of Applied Engineering Research, ISSN 0973-4562 vol. 10, no. 50 (2015)	2015
3		A study of performance and emissions of DI Diesel engine fuelled with cotton seed oil methyl ester and pumpkin oil methyl ester and its blends with diesel using EGR	Bio-fuels	2015

4		A Study of diesel engine fuelled with Madhuca Indica biodiesel and its blend with Diesel fuel	International Journal of Modern Engineering Research. Published: ISSN: 2249-6645 vol. 4, Issue 10,	2014.
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Department of CSE

S. No	Faculty and student name	Title of the paper	Journal Name	Published year
1.	Prof. A. Kannammal	Load Rebalancing Using Map Reducing Task for Distributed File System in Cloud	International Journal of Emerging Technology in Computer Science and Electronics,	2015
2.		Efficient Load balancing with distributed hash table in cloud	International Journal of Engineering and Science	2012
3.		Optimal replica placement in graph based data grids	International Journal of Engineering and Science	2012
4.		Gridle based transmission in MANET	International Journal of Engineering and Science.	2012
5.		Zone based stateless transmission in MANET	International Journal of Engineering and Science.	2013.
6.	Prof. R.Kavipriya	Empirical analysis of user based cloud mobile video streaming	International Journal of Engineering Research and Technology-IJERT, Vol 3, Issue 2.	2014
7.		Advanced Protection	International	2014

		Against Phishing Pages By Using Multi-Usage Browser	Journal of Scientific and Engineering Research (IJSER) Volume 5, Issue3, March 2014 Edition (ISSN 2229-5518).	
8.		Vigorous force provisioning Virtualization through skewness in cloud	International Journal of Engineering Science and Research Technology and Communication Engineering, Volume1, Issue 1.	2013
9.	Prof. S.Shobana	Vigorous force provisioning Virtualization through skewness in cloud	International Journal of Engineering Science and Research Technology and Communication Engineering, Volume1, Issue 1.	2013
10.		Bandwidth Assurance using Energetic Fusion Channel in AD-Hoc Networks	IOSR Journal of Computer Engineering Vol.16, Issue 2 .	2014
11.	Prof. D. Sumathi	Review on contrast Enhancement of Image	International Journal of Advanced Computer Engineering.	2013
12.		A dynamic policy based Security -As-A Service Infrastructure for Cloud Environment	IJRET standards.	2014
13.	Prof. C. Arivazhagan	Performance Analysis of bidirectional Reliability Protocol for Wireless sensor Networks	CIIT Journal	2012
14.	Prof. S.Sankar	Knowledge Based Active Visual	International Journal of	2013

		Segmentation	Futuristic Science Engineering and Technology.	
15.		An Efficient Gossip Protocol For Dynamic Resource Management	International Journal of Futuristic Science Engineering and Technology.	2013
16.	Prof. P.Ramya	Resource Controlled Replica Allocation Cluster for Secured MANET against Selfish Nodes	Journal of Computing Technologies, Volume no. 2, Issue no. 2.	2013.
17.	Prof. I.Anbarasu	A Survey on Test Case Generation and Extraction of Reliable Test Cases	The International Journal of Computer Science & Applications,	2012
18.	Prof. R.Sathyaseelan	Enhancing the Human Perceivable Image content in CAPTCHA Based BF Algorithm	Journals of Engineering and Science,	2015
19.	Prof. P.Sathish Kumar	Reduce The False Positive And False Negative From Real Traffic With Intrusion Detection	International Journal Of Engineering And Computer Science.	2013
20.		Hop Optimal Algorithm With Greedy Link Scheduler To Avoiding Link Failure For Multihop Wireless Networks	International Journal Of Innovative Research And Development.	2013
21.		A Refined Performance Characterization Of Link Scheduling And Data Security In Wireless Networks	International Journal of Scientific and Engineering Research ,	2013
22.	Prof. R.Keerthana	Congestion Control based on Sliding Mode Control and Scheduling with Prioritized Queuing for Wireless Networks	IJRET-International Journal.	2014

23.	Prof. N.R. Jayashree	Message Authentication & Source Privacy using BAC Technology in Wireless Sensor Networks	IJES- International Journal.	2015
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Department of EEE:

S.No	Name of the scholar	Title of the paper	Name of the journal	Published year
1.	Prof. R.Balasankar	A seven level inverter for grid connected photovoltaic system using pi controller.	IJAER ISSN 0973-4562	2014
2.	Prof. B.Gokula Krishnan	Simulation Of PWM Based Ac/Dc Converter Control To Improve Power Quality	IJAER ISSN:2278-7844 PP 524-533	2012
3.		Power Quality Improvement In A Distribution System Using D-Statcom With Fuzzy Controller	IJAER ISSN 0973-4562 PP: 29927-29936	2015
4.	Prof. R.Yalini	Five Level Inverter -A Review On Modulation Topologies, Techniques, Components And THD	IJAER ISSN 0973-4562 PP:9560-9564	2014
5.	Prof. A.Ambika	Performance Analysis of Improved Power Quality Chopper Fed PMSM Motor Drive	IJAER ISSN 0973-4562 Vol 10	2014

Department of ECE

S. No	Name of the faculty	Title	Publisher	Month and Year
1	Prof. N.Ranjan	Frequency invariant beam patterns using fractional Fourier transform.	IJMRAE	2011
2	Prof. N.Ranjan	Fractional Fourier transform to new pulse shapes.	NCASP	2011
3	Prof. K.Ramesh	A robust digital image watermarking scheme using DWT-DCT-SRD.	NCASP	2011
4	Prof. K.Ramesh	Design of dielectric -conductor cascade material for maximum electromagnetic reflectivity.	NCASP	2011

5	Prof. N.Ranjan	Adaptive non-linear filtering technique for image restoration.	International journal of computer science	2011
6	Prof. K.Ramesh	Estimations of reflectivity and shielding effectiveness of three layered laminated electromagnetic shield at X-band.	PIER B	2011
7	Prof. N.Ranjan	Analysis of reflectivity and S.E of absorbing material conductor laminate for electromagnetic compatibility, JEMAA.	Scientific Research, JEMAA	2011
8	Prof. N.Ranjan	Analysis of shielding effectiveness of single, double and laminated shields for oblique incidence of EM waves.	PIER B	2011
9	Prof. K.Ramesh	Implementation of different FIR high pass filters using fractional Kaiser window.	ICSPS	2011
10	Prof. N.Ranjan	A non-blind watermarking using hybrid technique for copy right protection.	PES Institute of technology	2012
11	Prof. N.Ranjan	Development of a three layered laminate for better EMC performance at X-band.	Springer	2012
12	Prof. K.Ramesh	Effect of material parameters on shielding parameters of a three layered laminate E.R shield at X-band.	IEEE	2012
13	Prof. K.Ramesh	A robust digital image watermarking scheme using Hybrid DWT-DCTSVD technique.	IJCSNS	2012
14	Prof. K.Ramesh	Low side lobe pattern synthesis using fractional Fourier transform.	IJAER, Research India publications	2012
15	Prof. N.Ranjan	A semi blind watermarking scheme using DCT and SVD.	Gurunanak college, Hyderabad	2012
16	Prof. N.Ranjan	Realization of a parallel operating SIMD-MIMD architecture for image processing application.	ICCCET, IEEE	2013
17	Prof. N.Ranjan	Implementation of 2D FrFT from 1D FrFT to an image IJERIA.	IJERIA, Ascent publications	2013
18	Prof. K.Ramesh	Frequency invariant beam patterns using fractional Fourier transform.	IJMRAE	2013

19	Prof. K.Ramesh	An adaptive model for blind image restoration using Bayesian approach.	International journal of informatio0n technology	2013
20	Prof. N.Ranjan	Analysis of biological signals using wavelet coefficients for finding the cardiac diseases and their severity.	IJIES	2013
21	Prof. K.Ramesh	Mathematical modeling of modified gain extended Kalman filter used for underwater target.	IJSAT	2011
22	Prof. N.Ranjan	Wavelet transforms EDNSS LMS adaptive filters for echo and noise cancellation in speech signal.	IJECE	2013
23	Prof. N.Ranjan	Doppler bearing passive target detection using modified gain Kalman filter.	IJIES	2013
24	Prof. N.Ranjan	Quadruple precision floating point core Verilog	IJSAT	2013
25	Prof. K.Ramesh	VLSI implementation of pipelined data encryption standard in Verilog	GITA University, Haryana	2013
26	Prof. K.Ramesh	VLSI implementation of pipelined data encryption standard in Verilog	IETET	2013
27	Dr. Ramesh T.K.	Fingerprint Recognition using Minutia Score Matching	International journal of computer science	2012
28	Prof. N.Ranjan	Despeckling sar images in compressed domain with local homogeneous segmentation.	International journal of informatio0n technology	2012
29	Prof. B.N.Sarkar	Improved sigma filter for speckle filtering of SAR imagery,	Scientific Research, JEMAA	2012
30	Prof. N.Rupavathi	Image processing and face recognition	RSPS, Dept. of ECE, K.L. University	2012
31	Dr. Ramesh T.K.	A semi blind watermarking using DCT and SVD, national conference on image processing.	International journal of informatio0n technology	2012
32	Prof. R.Valarmathi	Analysis on performance of frequency invariant beam formers by using discrete window based	Gurunanak engineering college	2012

		FIR filters.		
33	Prof. N.M.Anandhan	A semi blind watermarking scheme using DCT and SVD.	Gurunanak college, Hyderabad	2012
34	Prof. N.Ranjan	Estimations of reflectivity and shielding effectiveness of three layered laminated electromagnetic shield at X-band.	PIER B	2012
35	Prof. Lavanya.S	Frequency invariant beam patterns using fractional Fourier transform.	IJMRAE	2012
36	Prof. N.Rupavathi	Analysis of shielding effectiveness of single, double and laminated shields for oblique incidence of EM waves.	PIER B	2012
37	Prof. K.Ramesh	Estimations of reflectivity and shielding effectiveness of three layered laminated electromagnetic shield at X-band.	PIER B	2012
38	Prof. Priti Rishi	A robust digital image watermarking scheme using DWT-DCT-SRD.	NCASP	2012
39	Prof. R.Valarmathi	Polar metric image segmentation via maximum-likelihood approximation and efficient multiphase level-sets	IJECE	2012
40	Dr. Ramesh T.K.	Segmentation of images by graph cut using kernel k_means	IJIES	2012
41	Prof. N.M.Anandhan	Interactive image segmentation using an adaptive GMMRF model	International journal of informatio0n technology	2012
42	S.Indumadhi	Facial image classification by active learning	Coimbatore Institute of Information Technology	2012
43	Prof. K.Ramesh	Heterogeneity - projection hard - decision color interpolation using median filter	IJAER, Research India publications	2012
44	Prof. Priti Rishi	Compression and decompression of encrypted image using wavelet transform	IJIES	2012
45	Prof. N.RANJAN	Bone marrow cell chromosomes pairing for leukemia diagnosis using integer programming approach	IJECE	2012

46	Dr. Ramesh T.K.	Efficient parallel and distributed mining of cbir by user nprf	IJESTE	2012
47	Prof. R.Valarmathi	Emotion Analysis Using Thermal Images Based on Localized Kernel Eigen Spaces	IJIES	2012
48	Prof. B.N.Sarkar	Integrated Genetic Network Programming and mining classifier for Intrusion Detection using Probability Density Function	International journal of informatio n technology	2012
49	Prof. M.G.Shyamala	Structure Preserving Image Retargeting With Compression Assessment and Adaptive Registration	Coimbatore Institute of Information Technology	2012
50	Dr. Ramesh T.K.	Lossless visible watermarking using compound mapping	IJESTE	2012
51	Prof. Priti Rishi	Low power map processor design for convolutional turbo decoding	IJECE	2012
52	Mohana Priya.M	Neuro Fuzzy Algorithm For Invisible Watermarking In Color Images	International Journal Of Applied Engineering And Research	2015
53	Sureka.K	A Vessel Tracking System For The Robust Extraction Of Vascular Network Connectivity In Retinal Images	International Journal Of Engineering Research And Applications	2014
54	Vishnupriya.V	An Improve Forward Aware Factor Based Energy Balanced Routing Method For Wsn(IFAF-EBRM)	International Journal Of Applied Engineering And Research	2015
55	Valarmathi.R	Efficient architecture for proposed view for high performance in SBST technology.	National conference	2015

Department of Information Technology

S.No	Faculty name	Title of the paper	Journal Name	Published year
1	Prof. R.Saravana Kumar	A Fast Clustering Based Flexible And Accurate Motif Detector Technique For High Dimensional Data	International Journal of Information Science and Education Research	2014

		Data Management and Data Analysis interoperability in medical research	International Journal of Advanced Information and Communication Technology	2013
2	Prof. N.Backiavathi	A Metric Based Evaluation of Test Case Prioritization Techniques-Hill Climbing, Reactive Grasp and Tabusearch.	International Journal of Information Science and Education Research	2014
		Cloud Computing in Secure Storage Processing For Block Level Dynamic Data Operations and Secure Cloud Authentication	International Journal of Information Science and Education Research	2014
3	Prof. M.Senbagavalli	Secure Log Management in Cloud Computing	International Journal of Advanced Research in Computer Engineering and Technology	2014
		A competent approach for extracting and visualizing web opinions using cluster	International Journal of Advanced Research in Computer Engineering and Software Engineering	2014
4	Prof. K.Krishnan	Location Trust Extended Authentication in Mobile Ad-hoc Networks	International Journal of Information Science and Education Research	2014
5	Prof. C.Siva Kumar	Secure Overlay Cloud Storage with Access Control and Assure Deletion	International Journal of Information Science and Education Research	2014
6	Prof. M.Rajagopal	An Advanced Security System on Multi-cloud Data Sharing	International Journal of Information Science and Education Research	2014
7	Prof. H.Shabuddeen	Optimization of Resource Provisioning Cost in Cloud Computing	International Journal of Information Science and Education Research	2014
8	Prof. P.Selvi	Privacy Preserving Confidential Auditing for Data Storage	International Journal of Information Science and Education	2014

		Security using Cloud Computing	Research	
9	Prof. N.Swathy Nandhini	Secure Clustering Formation and Certificate Revocation for Adversary Nodes in the MANETs	International Journal of Information Science and Education Research	2015
10	Prof. H.Vijaya Kumar	An architecture for centralizing and modernizing the classical medical system	International Journal of Advanced Research in Computer Engineering and Technology	2014

Department of Mechanical Engineering

S. No.	Name of the scholar	Title of the paper	Name of the journal	Year of publication
01	Dr. K. Sundra murthy	Prediction and analysis of multiple quality characteristics in drilling under minimum quantity lubrications	Engineering Manufacturing (vol.226(6))	2012
02		Optimization of end milling parameters under minimum quantity lubrications using principal component analysis and grey relational analysis	Brazilian Society of Mechanical Science and Engineering	2012
03		A study on optimization of cutting parameters and prediction of roughness in end milling of aluminum under MQL machining	Machining and machinability of materials	2010
04		Design and development of strain gauge milling tool dynamometer	International journal of Machining and machinability of materials	2010
05	Prof. A. Ramesh Babu	Mechanical behavior of stacking sequence in kenaf and banana fiber reinforced-polyester laminate	International journal of Mechanical Engineering, Research Robotics	2013

Department of MCA

S. No	Name of the Scholar	Title of the Paper	Name of the journal	Year of publication
1	Prof. S.Jayapraba	Mobility Based Key Management Security Scheme for Wireless Sensor Networks	Springer Science + Business Media New York 2015 Wireless Pers Commun	2015
2		Attacks and Intrusion Detection Systems Network Policies in Wireless Sensor Networks	Indian Journal of Engineering ISSN 2319 - 7757	2015
3		Security key Management and Authentication Scheme for Wireless sensor Networks	ARPN Journal of Engineering and Applied Sciences ISSN 1819-6608	2015
4.		Optimal Jamming Attacks and Network Defence Policies in Wireless Sensor Networks	International Journal of Scientific & Engineering Research, ISSN 2229-5518	2015

* Number of papers published by faculty and students in peer reviewed journals (national / international)

S.No	Student name	Title of the paper	Journal Name	Published year
1	M.Manjunath	A Metric Based Evolution Of Test Case Prioritisation Techniques-Hill Climbing, Reactive Grasp And Tabusearch	International Journal of Information Science and Education Research	2013
2	M.Udhayakumar	Cloud computing in secure storage processing for block level dynamic data operations and secure cloud authentication	International Journal of Information Science and Education Research	2014
3	Deepika.N	A fast clustering based secure based flexible and accurate motif detector technique for high dimension data	International Journal of Information Science and Education Research	2013
4	P.Kanmani	Location trust extended authentication in mobile ad hoc networks	International Journal of Information Science and Education Research	2014

5	A. Mohammed Shaffi	Secure overlay cloud storage with access control and assure deletion.	International Journal of Information Science and Education Research	2014
6	N.Pavithara	An advanced security system on multi-cloud data sharing	International Journal of Information Science and Education Research	2013
7	S.Ezhil Devi	Optimization of resource provisioning cost in cloud computing	International Journal of Information Science and Education Research	2013
8	L.Shafnam	Privacy –preserving confidential auditing for data storage security using cloud computing	International Journal of Information Science and Education Research	2014
9	K.Jeeva	Secure cluster formation and certificate revocation for adversary nodes in the MANETs	International Journal of Information Science and Education Research	2013
10	T.R.Priyadharshini	Secure log management in cloud computing	International Journal of Advanced Research in Computer Engineering and Technology	2013
11	P.V.Hari	Architecture for centralizing and modernizing the classical medical system.	International Journal of Advanced Research in Computer Engineering and Technology	2014
12	S.Vijayakumar	Architecture for centralizing and modernizing the classical medical system.	International Journal of Advanced Research in Computer Engineering and Technology	2013
13	S.Dhiliban	Realization Of Low Power And High Speed S.Tcam With A Check Bit	International Journal Of Engineering And Science(IIES)	2015
14	R.Bhuvaneshwaran R.vignesh	An Efficient Estimation And Removal Of Noise Parameter From Current Readout Digital Image Sensor Using Various Transformer	International Journal Of Engineering And Science(IIES)	2015
15	Saranya.s Rupavathi.n(Assistant	De-Preciated Built-In-Self-Test And Built-In-Self-Repair Scheme To Amend	international journal of engineering science(IJES)	2015

	prof) Narmatha.n(A ssistant prof)	All Manufacturing Faults		
16	Saranya.s Narmatha.N(Asst.prof)	De-Preciated Built-In-Self- Test And Built-In-Self- Repair Scheme To Amend All Manufacturing Faults	International Journal of Advanced Research in ElectronicsandCommu nication Engineering (IJARECE)	2015
17	G.Santhanapr abu	Text Extraction & Document Image Binarization Using Sobel Edge Detection	IJERA International Jounal Of Engineering Research Applications	2014
18	S.Anantha padmanabhan D.Ilam paruthi	Augmentation Of Segment Accuracy Of Medical Images Using Fcm With Spatial Probability And De- Noising.	International Journal of Engineering Science(IJES)	2014

❖ **Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.)**

Nil

Monographs	Nil
Chapter in books	Nil
Books edited	Nil
Books with ISBN/ISSN numbers with details of publishers:	Nil
Citation index	3
SNIP	Nil
Impact factor	18 papers

3.4.4 Provide details (if any) of research awards received by the faculty recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally incentives given to faculty for receiving state, national and international recognitions for research contributions.

Nil

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

- Our continuous association with industries ascertains to find gap, identify the needs and assist to plan corrective action to make students employable.
- IIPC of our institution plays major role in establishing interaction with industries. The relationship with industries enables us industrial visits, technical lectures, projects, internships etc.
- Placement cell helps to have continuous interface with which depicts the latest trends in industry.
- Personnel from corporate organizations, public & private industries, research organizations are invited to deliver the talk on various topics
- Our alumni also assist us in getting in-plant training, internships, apprenticeships, experts talks etc

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

- Faculty domain expertise are identified and encouraged for collaborative work.
- Expertise and facilities available are shared with various industries through our regular interaction.
- Faculties are involved in developing solution for industrial problems.
- Upgrading the laboratories to provide testing facilities in various areas.
- Deputing faculty to specialized training workshops conducted by reputed institutions.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

The following support is provided to carry out the consultancy services. The institution inculcates interest among staff to carry out the consultancy services by providing following support

- Excellent infrastructure and human resources.
- Reduced teaching load and special leave.
- On Duty leave is given to the faculty engaged in consultancy
- Flexible working time.

3.5.4 List the broad areas and major consultancy services provided by the institution and there venue generated during the last four years.

S.No	Name of the Department	Title	Funding agency	Fund received [Rs]
1	MECH	Design of special purpose cutting tool holders	Pinnacle Engineering Soultions, Hosur	84,760
2	CSE	Billing Software	PN Jewels, Dharmapuri	20,000
3	CSE	Billing Software	Dasappa Banana Merchant, Palacode	20,000
4	IT	Student Feedback Software	Jayam college of Engineering and Technology	10,000
5	IT	Transfer certificate	Jayam college of Engineering and Technology	10,000
6	CIVIL	Testing of beams and Columns	Jayalakshmi Institute of Technology, Dharmapuri.	2,000
7	CIVIL	Testing of concrete cube	Jayalakshmi Institute of Technology, Dharmapuri.	1,500
8	CIVIL	Testing of concrete cube	Hindustan steel works construction limited	1,500
9	CIVIL	Testing of JK cement	M.Selvam, Harur	1,250
10	CIVIL	Testing of concrete cube(5 nos)	M/S Sekar Deepak construction Ltd, Chennai	1,500
11	CIVIL	Testing of concrete cubes	TamilNadu water supply and Drainage Board	600
12	CIVIL	Testing of concrete cubes	TamilNadu water supply and Drainage Board	900
13	CIVIL	Testing of M-Sand	Power grid corporation of india ltd	1,500
14	CIVIL	Testing of concrete cube	Jayalakshmi Institute of Technology, Dharmapuri.	2,000
15	CIVIL	Sieve Analysis Test for Coarse Aggregate	EMC Ltd, C/o PGCIL	2,000
16	CIVIL	Testing of concrete cube	Kalpana Traders	2,000
17	CIVIL	Brick Test	Haarni Associater	3,750
18	CIVIL	Testing of concrete cube(3 nos)	M/S Sekar Deepak construction Ltd, Chennai	900
19	CIVIL	Testing of concrete cube	P.Sundaram PWD	2,500

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

The revenue generated through consultancy is shared with faculty involved. The 40% of revenue generated is given to faculty involved and 60% for institution.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution- neighborhood - community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

- Our institution is organizing community development activities regularly to promote institution- neighborhood - community network.
 - For the benefit of neighborhood community, institution is offering scholarships for meritorious and economically backward students.
 - We ensure the holistic development of our students which makes them service oriented good citizens. Our NSS unit has organized many events for neighborhood and community development.
-
- ❖ Awareness on Rain Water Harvesting
 - ❖ Tree plantation
 - ❖ Blood donation camps
 - ❖ Women empowerment
 - ❖ Literacy Campaign
 - ❖ Enabling Self Help Group to promote their sales.
 - ❖ Electoral awareness programme
 - ❖ Our playgrounds are available to neighborhood communities during holidays.

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements /activities which promote citizenship roles?

The students are encouraged to involve in various social movements to promote the citizenship rules.

Various clubs, cells and units like NSS, NCC, YRC, Women Empowerment etc., are available for the students to carry out the extension activities.

Blood donation camp, eye camp, awareness against child labor and child marriage, rain water harvesting, tree plantation etc., are organized regularly which gives opportunity to the students to participated in the social movements.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

- The institution has mechanism to get feedback from various stakeholders.
- The suggestion from the alumni are collected through the alumni meet which takes periodically these suggestions are analyzed and recommended for remedial actions wherever required.
- Each class has one class representative and one assistant class representative. The requirements are communicated to the class advisors and Head of the department by the representatives.
- Feedback from employers is collected to assess the level of performance of our students and also to find the ways to improve the same.
- Feedback from parents is collected periodically through Parent - Teachers meeting.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

Institute has established various functional units for conducting extended and outreach programmes for the benefits of the society. Through NSS, NCC, YRC etc., activities like medical camp, rallies on social issues, blood donation camps, tree plantation, cleaning campaign etc., are organized by the institution.

Budget Allocation for extension activities in Rs					
Academic year		2011-12	2012-13	2013-14	2014-15
NSS	Allocated	50,000	50,000	50,000	50,000
	Spent	46,000	46,000	45,900	45,700
NCC	Allocated	80,000	85,000	90,000	90,000
	Spent	72,000	80,000	80,000	82,000

The major extension and outreach programmes conducted by the institute are listed below

S. No	Name of the activity	Venue	Date(s)	No. of students participated
1	Independence Day	Jayam college of Engineering & Technology	15.08.2011	500
2	Blood Donation Camp	Jayam college of Engineering & Technology	24.09.2011	100
3	Eye screening camp	Jayam college of Engineering & Technology	06.10.2011	250
4	Combined Annual Training Camp	K.S.R College Of Technology, Tiruchengode	28.12.2010 to 06.01.2011	25
5	Republic Day Celebration	Jayam college of Engineering & Technology	26.01.2011	450
6	Rain Water Harvesting	Nallanur Village	01.02.2011	52
7	Sapling Plantation	Jayam college of Engineering & Technology	10.11.2011	52
8	Independence Day	Jayam college of Engineering & Technology	15.08.2011	500
9	Combined Annual Training Camp	K.S.R College Of Technology, Tiruchengode	18.07.2011 to 05.10.2011	17
10	Cadre Camp	Anna University	09.02.2012 & 10.02.2012	41
11	Swimming Camp	"Rajaji Swimming Pool" at Dharmapuri	16.02.2012	38
12	C' Certificate Examination	Anna University	25.02.2012 & 26.02.2012	15
13	B' Certificate Examination	Anna University	10.03.2012 & 11.03.2012	8
14	Campus cleaning	Jayam college of Engineering & Technology	17.06.2012	50
15	Blood Donation Camp	Jayam college of Engineering & Technology	01.09.2012	75
16	NSS day celebration	Jayam college of Engineering & Technology	24.09.2012	100
17	Tree plantation	Jayam college of Engineering &	25.09.2012	50

		Technology		
18	National cancer awareness camp	Jayam college of Engineering & Technology	07.11.2012	50
19	AIDS day awareness	Jayam college of Engineering & Technology	01.12.2012	100
20	Road safety awareness	Jayam college of Engineering & Technology	25.12.2012	50
21	Republic Day Celebration	Jayam college of Engineering & Technology	26.01.2012	52cadets 250 staffs
22	Rain Water Harvesting	Nallanur Village	03.03.2012	52
23	Combined Annual Training Camp	ST.Pauls Hr. Sec. School Salem	26.09.2012 to 05.10.2012	24
24	Firing Training	"Air Force" Thambaram	02.02.2013	7
25	Child labor awareness	Jayam college of Engineering & Technology	05.06.2013	50
26	National voter day	Jayam college of Engineering & Technology	21.06. 2013	50
27	Women's day	Jayam college of Engineering & Technology	08.03.2013	100
28	Blood Donation Camp	Jayam college of Engineering & Technology	24.092013	90
29	Campus cleaning	Jayam college of Engineering & Technology	04.10.2013	100
30	NCC Day	Jayam college of Engineering & Technology	22.11.2013	52
31	Save power Energy	Jayam college of Engineering & Technology	22.11.2013	44
32	Combined Annual Training Camp	KSR College of Engineering.	21.06.2013	24
33	Explanation Of Fire Service And Rescue Depart Ment By Ncc Officer	Jayam college of Engineering & Technology	02.02.2013	52
34	Blood Donation Camp	Govt. Medical	03.02.2013	65

		collge, dharmapuri		
35	Combined Annual Training Camp	St.john's mat hr.sec.school Salem	23.09.2013 to 02.09.2013	7
36	'B' Certificate Examination	Vinayaga mission, Salem	23.02.2013 TO 24.02.2013	48
37	'C' Certificate Examination	Vinayaga mission, Salem	06.03.2013 to 07.03.2013	14
38	Tamil nadu govt. Scholarship scheme for excellence NCC acitivities	12 (TN) BN Salem	05.04.2013	2
39	Blood Donation Camp	Jayam college of Engineering & Technology	24.09.2014	108
40	Swacha Bharat abiyaan	Jayam college of Engineering & Technology	01.10.2014	100
41	National voter day	Jayam college of Engineering & Technology	24.01.2014	100
42	Special camp	Kuthapadi village, Pennagaram	15 to 21.03.2014	50
43	Tamil manne vanakam	Jayam college of Engineering & Technology	30.10. 2014	800
44	Road Safety And Traffic Rules	Jayam college of Engineering & Technology	05.02.2014	44
45	Yoga Training For Cadets	Jayam college of Engineering & Technology	27.07.14	36
46	Clean India	Pikkam patti (vill) Dharmapuri	5.08.2014	36
47	Independence Day Celebration	Jayam college of Engineering & Technology	15.08.2014	36
48	'B' Certificate Examination	Vinayaga mission Salem	15.02.2014 to 16.02.2014	9
49	'C' Certificate Examination	Vinayaga mission Salem	22.02.2014 to 23.02.2014	43
50	'B' Certificate Examination	Sowdeswari arts and science	21.02.2014 to	10

		college, Salem	22.02.2014	
51	Tree Plantation	Jayam college of Engineering & Technology	01.08.2015	52
52	Independnce Day	Jayam college of Engineering & Technology	15.08.2015	650
53	National voter day	Jayam college of Engineering & Technology	24.01.2015	150
54	YRC Blood donation camp	Jayam college of Engineering & Technology	04.02.2015	101
55	Thandai periyar movie	Jayam college of Engineering & Technology	05.03.2015	250
56	Eye screening camp	Jayam college of Engineering & Technology	11,12 .03.2015	450
57	Combined Annual Training Camp	Holy cross Higher Secondary School, Salem	26.09.2015	10
58	National yoga day	Jayam college of Engineering & Technology	21.06.2015	50
59	Republic Day Celebration	Jayam college of Engineering & Technology	26.01.2015	36
60	Weapon Training By Army Peoples	Jayam college of Engineering & Technology	06.02.2015	86
61	'C' Certificate Examination	Sowdeswari arts and science college, Salem	04.03.2015	7
62	International Yoga Day Camp	AVS Arts College Salem	21.06.2015	36



Blood Donation



Tree Plantation



Tree Plantation



Cadets Trained By PI Staff



Firing Range



Firing Range CATC Camp



Hitting The Target



Weapon Training



Eye Screening Camp



Yoga Camp



Tree Plantation



Awareness Camp

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National / International agencies?

- Our institution organizes the extension activities regularly and encourages the students and faculties to participate.
- Orientation programmes will be conducted at the beginning of the academic year to create awareness on participating in extension activities.
- The institution provides all the needs like on duty, transport, food accommodation for all the students and faculty involving in extension activities.

3.6.6 Give detail on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

Through the regular visits the various parts of Dharmapuri, students of underprivileged and vulnerable sections are identified and scholarships are offered to enroll them in higher education.

Scholarship Criteria	Type of Fee Concession
Cutoff mark ≥170	100% on tuition Fees for all four Years
	In Case of Counseling Students should have registered with JCET Before Counseling
Cutoff mark 169.75 to 160	40% on tuition Fees for all four Years
Cutoff mark 159.75-150	20% on tuition Fees for all four Years
Centum in Phy, Che, Math	Additional 10% of Tuition fees Concession
Physically Challenged	50% on tuition fees & 25% hostel fees
Sports students	Concession based on the achievements.
Lateral entry students (for dharmapuri and krishnagiri district)	12.5 % on tuition Fees for all four Years

Awareness on scholarships provided by the government for the students is also given for the benefit of the underprivileged section.

The institution promotes various activities through NSS, YRC, NCC etc to create awareness on education, health, hygiene etc for the betterment of weaker section.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

The ultimate aim of the extension activities is to promote a sense of social responsibility among the students.

Students participating in the activities organized by NSS, NCC, YRC etc learn and build their interpersonal skills such as Teamwork, Leadership, Effective and smooth communication within the team, effective decision making.

Students are given the opportunity to be one among the public and get to know the challenges in the society.

Extension activities beyond the classrooms in different groups of personnel allow the students to gain more moral added values.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

The institution organizes Awareness programmes, Medical camps, and environment friendly initiatives to ensure the involvement of the community in its reach out activities and contribute to the community development

Awareness Programmes:

- The NSS unit frequently organizes for creating awareness among the public such as
- NSS unit organized a program to create awareness among people regarding harmful effects of Cancer, AIDS, Health camp, blood donation camp, cleaning campaign tree plantation etc.,
 - The institution conducts competition for school students such as project exhibition, science exhibition, essay competition, quiz competition etc.,
 - Hoarding on social awareness are put up in the public places in the nearby villages.
 - Career guidance programmes are organized for the polytechnic and school students.



Awareness Programme



Social Awareness



Blood Donation Camp



Eye Screening Camp



Tree Plantation



Tree Plantation



Rally on Rain Water Harvesting

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

- The institution has association with Government Medical College, Government Hospital, Salem Blood Bank, Agarwal Eye Hospital, Vasan Eye Care, Lions Club and Rotary Club and organizes various programmes.
- Self help groups are supported by permitting them to conduct their product expo in our campus.
- Also donated public address systems to the schools of Dharmapuri District in order to improve the technical aspects of the school.

3.6.10 Give details of awards received by the institution for extension activities and / contributions to the social/ community development during the last four years.

Our institution has won overall championship award in the Combined Annual training camp held at Holycross school, salem during the year 2015.



Our institution has won overall championship award in the Combined Annual training camp held at KSR engineering college, Tiruchengode during the year 2014.



3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

- The institution encourages the faculty and students to collaborate with the industry, institutes etc., to carry out the research activities.
- The students are permitted to do their project works in reputed industrial establishments.
- Research experiments are carried out by faculties.
- Faculty and students are utilizing the research facilities available in other institutions.
- Regular industrial visits are arranged to the students and faculties to bridge the gap between academics and industrial needs.
- The workshops, seminars, and guest lectures are frequently organized to invite eminent resources persons to share their technical findings to the students and faculties.

3.7.2 Provide details on the MoUs / collaborative arrangements (if any) with institutions of national importance / other universities / industries / Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

The institution promotes the research activities by signing MoUs with various organizations.

Some of the organizations are listed below

- BARROLA aerospace Ltd, Chennai
- Mind Tree Innovative Learning Centre, Bangalore
- Neolysis Technologies Pvt. Ltd.
- ICTACT Academy
- I-square solutions
- VI Microsystems Pvt Ltd.,
- JSW Ltd.,
- CARTEL Automation PVT,LTD

- Infomedia Solutions Pvt , Ltd, Bangalore
- Optimus Technologies
- Versatile Solutions, Coimbatore
- Pinnacle Engineering Solutions
- Numeric Institute of CNC/CAD/CAM/Technology, salem
- UMS-EDM Centre, Coimbatore
- MATRIX NDT- Training Centre
- UNIJET Corporation, Coimbatore
- COVAI Gears

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation / up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library / new technology / placement services etc.

Laboratories are upgraded through the funds sanctioned from various funding agencies such as AICTE, DoS, MoES.

Interaction with eminent personalities from various reputed universities and industries are very useful for the creation and establishing of better research facilities for the staff and students. As stated above the firms are providing assistance in solving problems technically and theoretically.

The institution has signed many MoU with the industry/organizations to enhance skills.

3.7.4 Highlighting the names of eminent scientists / participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Department of Aeronautical Engineering:

S. No	Event Name	Coordinator	Date	Chief guest Name & Designation, Organization
1	Lecture about Flight	Prof. G.Suresh	30.03.2015	V. Jayanth Pilot Indigo airlines
2	Trends in Aeronautical	Prof. T.Vijaykanth	07.04.2013	S. Vishvanathan Scientist NAL

Department of Computer Science Engineering:

S. No	Event Name	Coordinator	Date	Chief guest Name & Designation, Organization
1	National Conference- XETA - 2015	Prof. N. Kayalvizhi	30,31.03.2015	Dr. Munusamy Muthu
2	National Level Students Technical Symposium- DAZZTECH -2k15	Prof. I.Anbarasu	06 & 07.02.2015	Prof. T. Lalitha & Professor in Sona College of Technology
3	Guest Lecturer- Computer Networks	Prof. P. Ramya	04.03.2015	Mr. V. Siva Kumar & AP, Adhiyamaan College of Engineering
4	Workshop- Cloud Computing	Prof. D. Sumathi	26.12.2014	Mr. G. Mathan Kumar & Senior Trainer of ICTACT
5	National Conference- XETA - 2014	Prof. S. Shobana & Prof. I. Anbarasu	4 & 5.4.2014	Dr .M. Thilagavathy & Adhiyamaan College of Engineering
6	National Level Students Technical Symposium- DAZZTECH -2k14	Prof. R. Kavipriya & Prof. I. Anbarasu	30 & 31 .01.2014	Mr R.Krishnan Rajagopalan & Novell Software Development India Pvt Ltd
7	Workshop- Cloud Computing	Prof. D. Sumathi	28.02.2014 & 01.03.2014	Mr R. Krishnan Rajagopalan & Novell Software Development India Pvt. Ltd.
8	National Conference- XETA 2013	Prof. D. Sumathi	19 & 20 .04. 2013	Dr. D. E. Dekson
9	Workshop on Unleashing the cloud & virtualization	Prof. D.Sumathi	28.2.2013 & 01 .03.2013	Mr R. Krishnan Rajagopalan & Novell Software Development India Pvt Ltd
10	Seminar -Open Source Tools and Components	Prof. D.Sumathi	11 & 12 .03. 2013	Mr.Veerapuram Vardhan & Research & Development, Novell Software Development India Pvt Ltd
11	Workshop on Android Programming &	Prof. D.Sumathi	26 & 27 .02.2013	Adarsh Rajput & Geeks Lab Technologies

	Application Development			
12	Seminar - Research methodology	Prof. D.Sumathi	12.12.2012	Mr.B.Madhusudhanan, R&D ,IIT Madras
13	National Level Students Technical Symposium- DAZZTECH -2k12	Prof. D.Sumathi	14 & 15.09.2012	Dr. Nallusamy & Dr. Sakthivel, KSR College of Technology.
14	Guest Lecture - Probability And Queuing Theory	Prof. S.Vidhyalakshmi	26 & 27 .03.2012	Mahesh, Adhiyamaan College of Engineering.
15	Guest Lecture - Database Management System	Prof. S.Chandrasekaran	27 & 28.02. 2012	Mr G.Venkatesh, Team Leader, ICTACT, Chennai
16	Workshop on Green Computing	Prof. D.Sumathi	02.11.2011	Mr.T.Senthil Kumar, Amrita University
17	XIV ISTE Annual Students Convention 2011- Green Engineering for sustainable Development	Prof. D.Sumathi	30.09.2011 01.10.2011	K.Venkatraman, Senior Manager(Technical Services), Ultra Tech cement Ltd.
18	Workshop on IITB Spoken Tutorial	Prof. M.Vinoth kumar	21.12.2011	Mrs Reshmi, IIT , Bombay
19	National Conference on XETA -2K11	Prof. M.Vinoth Kumar	30.04.2011	Mr.RaviKumar Ramadoss, Infosys, Bangalore
20	Guest lecture- Formal Languages and Theory	Prof. D.Sumathi	29.09.2012	Ms.R.Bhuvaneswari, Selvam College of Tech,Namakkal
21	Guest lecture- High Speed Networks	Prof. R.Kavipriya	21.03.2012	Mr.T.Senthil Kumar, Amrita University
22	Guest Lecture- YOGA	Prof. D.Sumathi	29.06.2012	R.Thandavel, JCET
23	Guest Lecture- Theory of Computation	Prof. N.Gajalakshmi	13.03.2012	Ms.R.Bhuvaneswari, Selvam College of Tech,Namakkal

Department of Civil Engineering:

S. No	Event Name	Coordinator	Date	Chief guest Name & Designation, Organization
1.	DAZZ Tech	Prof. V.Rajendiran	15.02.2015	Mr.S.Dhanasekar, Manaer, L&T Chennai.
2.	Concinateorz	Prof. S.Velmurugan	15.09.2015	Mr.S.Gobal,Ret Chief Engg, PWD.

Department of Electronics and Communication Engineering:

S. No	Event Name	Coordinator	Date	Chief guest Name & Designation, Organization
1	Workshop on basic needs of wireless communication and techniques involved.	Prof. K. Ramesh	24.06.2015	K. V. Sivaraman Managing Partner Samdesa Technologies
2	Special lecture on microcontroller programming	Prof. N.Ranjan	09.07.2015	V.Loganathan, R&D ISM,Bangalore
3	Special lecture on digital image processing	Prof. J.Srinivasan	23.07.2015	Dr.Jayanthi Prof.ECE Sona college of technology, Salem
4	Guest Lecture on Antenna and Wave Propagation	Prof. N.M.Anandhan	27.01.2015	Prof.R.Mahadevan Scientist,Bangalore, ISRO
5	Guest Lecture on VLSI Design	Prof. R.Valarmathi	10.02.2015	Dr.Varaprasad Scientist,Bangalore, ISRO
6	XETA National level Conference	Prof. Priti Rishi	18.03.2015	Ravichandar Dhakshana moorthy,CEO JSW Steel Limited,Salem
7	Seminar on ATMEL Microcontroller in Embedded Design	Prof. S.Lavanya	27.03.2015	Mr.V.Sakthivel, Assistant Professor Paavai Engineering college
8	Workshop on Signals and Systems	Prof. C.Srirama krishnan	02.04.2015	Prof.Somnath Sengupta Prof. ECE, IIT Kharagpur.
9	Fundamentals of Telecommunication	Prof. A.Karthi	17.04.2015	Thangavel.S Additional Engineer BSNL, Salem
10	Seminar on Electromagnetic Fields	Prof. S.Imayavalli	23.04.2015	Dr.R.S.D.Wahidha Banu, Principal, Government College of Engineering, Salem.
11	Workshop on	Prof.	29.04.2015	Mr. Vibore Gupta

	Robotics	R.Priyanka		Sr Corporate Trainer, Kyrion Robo Works, Delhi.
12	Workshop on recent trends in Embedded systems	Prof. Somasekar.M	01.05.2015	Mr.S.P.Ramanathan Senior Design Engineer Enixs Technology, Bangalore
13	Guest Lecture on "Recent Developments in Aerospace Engg."	Prof. V.Sivaranjini	06.05.2015	Dr. P. Lova Raju, Sr.engineer LBRCE Mylavaram
14	Workshop on VLSI design and implementation	Prof. M.Sathya	19.05.2015	P.Kiran Kumar Sr. Logic Design Engineer VLSI Corner
15	Workshop on Bio Medical Signal Processing	Prof. G.Vadivel	28.05.2015	R.Arangasamy HOD/ECE Paavai Engineering College, Namakkal
16	A one day Workshop on Embedded Systems	Prof. J.Aishwarya	24.02.2015	Prof.Christie Manoraj. Professor GCE-Salem
17	XETA National level Conference	Prof. R.Vignesh	04.02.2014	A.Elaya Perumal Professor Anna university, Chennai
18	A one day Workshop on ASIC/FPGA System Design	Prof. S.Venkatesh	13.03.2014	B.George De Bel Sr.Design Engineer Honey well technology .
19	Two day workshop on Digital image Processing	Prof. S.Kalpana	15.04.2014	Prof.Ranjan Professor Jayam college of engineering and technology
20	'Simulation of Electronic circuits using LABVIEW'	Prof. P.Srinivasan	25.04.2014	Dr.K.R.Murali Research scientist Central Electro Chemical Research Institute, Karaikudi
21	Analog,Digital &Mixed VLSI Design	Prof. Bhuvaneswari. S	08.05.2014	Sathish kumar Director VEE xplore, Coimbatore
22	One day workshop on Digital image Processing	Prof. B.Karthick	14.02.2013	Dr.R.S.Sabeenian Professor Sona college of technology, salem
23	A oneday Seminar	Prof. V.Tharani	21.03.2013	Dr.R.S.D.Wahidha Banu, ,

	on Wireless Technology			Principal GCE salem
24	XETA National level Conference	Prof. N.Narmatha	17.04.2013	Dr.RSD.Wahidha Banu, Principal GCE salem
25	National workshop on IC System Design	Prof. N. Poorani	15.05.2013	Mr.G.Manoj Ms.Grace Jency
26	A oneday Workshop on Wireless transmission system	Prof. Abinaya.E	05.06.2013	Mr.Ramesh Lokshmi General Manager BSNL-Dharmapuri
27	A oneday Workshop on Broad Band Technologies	Prof. Saraswathi.S	21.06.2013	Mr.Suresh Reddy JTO BSNL-Pennagaram
28	GSM(2G/3G) CDMA	Prof. Anju.S	03.07.2013	Mr.C.P.Manas JTO BSNL-Dharmapuri
29	A oneday Seminar on LED'S	Prof. S.Imayavalli	12.07.2013	Dr.B.Venkatesan Director(R&D) Nanotech
30	A oneday workshop on Technical Presentation on technologies and Academic projects	Prof. R.Priyanka	02.08.2013	Mr.R.N.Chirania Manager Eu.cube Bangalore
31	Seminar on PLC and SCADA	Prof. Somasekar.M	15.08.2013	Mr.S.Prabakar Director Cogent Automation,Chennai
32	"Digital Image Processing & Lab Practice"	Prof. M.ABIRAMI	11.09.2013	Mr.Harikrishnan.g Director, Zetta one technologies Bangalore
33	Basic challenges in digital signal processing and working filters of Matlab	Prof. R.Sindhu bharathi	08.10.2013	Mr.Sundersan.g R&D Sands instrumentation Pvt.Ltd.chennai
34	Program on Working of medical electronics instruments	Prof. M.Anitha	12.10.2013	Mr.Jayakanth.R Sr.application engineer Computer India Coimbatore
35	One day workshop on development of semiconductors and its applications	Prof. P.Santhiya	12.12.2013	Mr.Krishna.g Technical head Adityaa Semiconductor bangalore
36	XETA National level	Prof.	18.01.2012	DR.S.Rashavan

	Conference	S.Jagadeeswari		Professor NIT Trichy
37	A one day Seminar on Embedded System	Prof. C.Kumaresan	16.02.2012	Mr.Arul Murugan Manager Micro Tech Pvt.ltd Coimbatore
38	Two day Workshop on PCB Design and Process	Prof. N. Poorani	08.03.2012	K.Vaithinathan, Manager RR Circuit solution Hosur
39	IETE Chapter workshop on Graphical System design using Lab View	Prof. Abinaya.E	12.04.2012	Mr.Mohanatha Sankar Kumar Application Engineer Lab tech ,Chennai
40	Guest Lecture on Embedded System	Prof. Saraswathi.S	27.04.2012	Mr.Rajasekar Director Rana Solutions Salem.
41	“Research Challenges - VLSI Design”	Prof. Anju.S	10.04.2012	Prabhu.R Director G-power chennai
42	Process Control & Instrumentation	Prof. S.Imayavalli	09.05.2012	P.Padmaloshani Associate Professor Paavai Engineering College, Namakkal
43	PIC Microcontrollers for Embedded Systems	Prof. R.Priyanka	25.05.2012	Sri S. R. T. Rama Swamy Executive Manager Efftronics Systems Pvt. ltd.

Department of EEE

S. No	Event Name	Coordinator	Date	Chief guest Name & Designation, Organization
1.	DAZZ Tech 2K12	Prof. L.P.Vetrivelan	14.09.2012 &15.09.2012	Mr.K.Murali Mohan Reddy, Plant Engineer, OEG India Pvt. Ltd, Samalpatti
2.	XETA 2014	Prof. R.Yalini	04.04.2014 & 05.04.2014	Dr.Sanjib Kumar Pattanaik, Director, AICTE, NewDelhi

Department of IT:

S.No	Event Name	Coordinator	Date	Chief guest Name & Designation, Organisation
1	National Conference	Prof. R.Saravanakumar	30 & 31 .03.2015	R.Senthil Kumar & Asso.Prof, Sona College Of Technology, Salem.
	National Level Students Technical Symposium	Prof. C.Sivakumar	6 & 7 .02. 2015	R.Senthil Kumar & Asso.Prof, Sona College Of Technology, Salem
	Guest Lecturer	Prof. H.Vijayakumar	4-3-2015	Mr.V.Siva Kumar & AP, Adhiyamaam College of Engineering
	National Conference	Prof. M.Senbagavalli	04/04/2014	R.Srinivasan, Prof, P.S. V.College Of Engineering And Technology, Krishnagiri.
	National Level Students Technical Symposium	Prof. M.Ravichandran	30.01.2014	Fatima anu, Asso.Prof/Hod(IT), Adhiyamaan Engineering College, Hosur.
	Workshop	Prof. N.Backiavathy	28.02.2014 & 1.3.2014	Mr R.Krishnan Rajagopalan & Novell Software Development India Pvt Ltd
3	National Conference	Prof. R.Saravanakumar	19 & 20 .04.2013	R.Senthil Kumar & Asso.Prof, Sona College Of Technology, Salem.
	Workshop	Prof. C.Sivakumar	28.02.2013 01.03.2013	Mr R.Krishnan Rajagopalan & Novell Software Development India Pvt Ltd
	Seminar	Prof. C.Sivakumar	11 & 12 .03.2013	Mr.Veerapuram Vardhan & Research & Development, Novell Software Development India Pvt Ltd
	Workshop	Prof.	12-12-2012	Mr.B.Madhusudhana

		C.Sivakumar		n, R&D ,IIT Madras
	National Level Students Technical Symposium	Prof. M.Senbagavalli	14 & 15 .09.2012	Dr. Nallusamy & Dr. Sakthivel, KSR College of Technology.
	Guest Lecture	Prof. N.Swathy Nandhini	26 & 27 .03. 2012	Mahesh, Adhiyamaan College of Engineering.
	Guest Lecture	Prof. N.Swathy Nandhini	27 & 28 .02.2012	Mr G.Venkatesh, Team Leader, ICTACT, Chennai
4	Seminar	Prof. M.Senbagavalli		
	Workshop on Android Programming & Application Development	Prof. N.Backiavathy	26 & 27 .02. 2013	Adarsh Rajput & Geeks Lab Technologies
	XIV ISTE Annual Students Convention 2011	Prof. R.Saravanakumar	30.09.2011 01.10.2011	K.Venkatraman, Senior Manager(Technical Services), Ultra Tech cement Ltd.
	National Conference	Prof. R.Saravanakumar	30-04-2011	Mr.RaviKumar Ramadoss, Infosys, Bangalore
	Guest lecture- High Speed Networks	Prof. M.Senbagavalli	21-3-2012	Mr.T.Senthil Kumar, Amrita University
	Guest Lecture-YOGA	Prof. M.Senbagavalli	29-6-2012	R.Thandavel, JCET

Department of Mechanical Engineering:

S.No	Event Name	Coordinator	Date	Chief guest Name & Designation, Organisation
1	XETA-2015, National conference	Prof. K.Mohankumar	30 & 31.03.2015	Dr.K.Ilayaperumal Director , student Affiers, Annauniv. Chennai
2	DAZZTECH 2K15	Prof. C.Prithivraj	06.02.05 & 07.02.15	Mr.R.Sundram, Founder and CEO,Aerospace Engineers , salem

Department of MCA:

S.No	Event Name	Coordinator	Date	Chief guest Name & Designation, Organisation
1	DAZZ Tech-2K15	Prof. N.Kokila	30.01.2015	I.Vaijeyanthi, AP The Kavery College of Engineering, Salem
2	DAZZ Tech-2K15	Prof. M.Selvam	31.01.2014	Dr.T.Lalitha , Sona College of Technology
3	XETA - 2015	Prof. K.Suganthi	31.03.2015	S.Sharmila , AP, ER.PMC Tech, Hosur
4	XETA- 2014	Prof. S.Jayapraba	05.04.2014	Dr.S.Backiyamani, Govt Arts College, Dharmapuri.
5	XETA - 2013	Prof. Y.N.Gayathri	20.04.2013	Dr. Shantharaja, Sona College of Technology, Salem

Department of MBA:

S.No	Event Name	Coordinator	Date	Chief guest Name & Designation, Organisation
1.	Tycoonz	Mr.C.Boopathy	26,27.03.2015	Joe Rams & NASA Associate Centre Director

3.7.5 How many of the linkages / collaborations have actually resulted informal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated-

a) Curriculum development / enrichment

Being an affiliated institute we follow the syllabus prescribed by Anna University, Chennai. To meet out the industry expectation the institution periodically organizes enrichment programmes such as add-on courses, workshops, seminars etc.

b) Internship / On-the-job training

Industrial training, internship and industrial visit are arranged for the students through our MoUs and interaction with the industries.

c) Summer placement

The students are encouraged to undergo training and internships during their semester holidays in various industries.

d) Faculty exchange and professional developments

Faculty members are identified and promoted to undergo training like workshops, faculty development programmes, seminars, conferences etc in their respective fields of expertise.

e) Research

Faculty and students have the opportunity to utilize the facilities available in the industries with which we have relationship and MoUs.

f) Consultancy

Consultancy works are carried out for various agencies and industries.

g) Extension

The institution organizes various extension activities through NSS, NCC, YRC to make the students to take part in social forum.

h) Publication

Faculty and students publish their findings in national and international journals.

i) Student Placement

A significant numbers of students are placed in various organizations through our interaction.

j) Twinning programmes

Nil

k) Introduction of new courses

Being an affiliated institution, our institution follows the syllabus prescribed by the university. In addition to the curriculum prescribed, add-on courses and training programmes are conducted to make the students equip technically.

l) Student exchange

Students and faculty of our institution visit other institutions, organization to share their findings through Seminars, conferences, workshop etc and also acquire to technical knowledge from experts belonging to the institution visited.

m) Any other

Nil

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages / collaborations.

The institution concentrates on the industrial interaction through signing MoUs which would make the students and faculty updated with the technological advancements. Eminent industrialists are invited to visit the College and interact with the students and faculty. In-plant training, Industrial visit, Guest lectures, workshops, seminars, conference, Internship programmes and student projects are encouraged for the students which give an opportunity for both faculty and students to make use of the resources of various organizations.

Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

CRITERION - IV

INFRASTRUCTURE AND LEARNING RESOURCES

- 4.1 Physical Facilities**
- 4.2 Library as a Learning Resource**
- 4.3 IT Infrastructure**
- 4.4 Maintenance of Campus Facilities**

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The Effective teaching and learning is achieved in our institution by excellent and requisite infrastructure. Infrastructure have been created and enhanced constantly to meet the growing requirements.

- Well equipped laboratories, class rooms equipped with ICT tools, tutorial rooms, seminar halls, auditorium with audio visual aids, digital Library, Wi-Fi connectivity are available. These facilities are developed to facilitate effective teaching and learning process.
- As per AICTE and Anna University norms requisite infrastructure are available.

The policy of the institution for the creation and enhancement of infrastructure that facilitates effective teaching and learning is as follows:

- The Principal and HODs analyze the requirements of new facilities and make suitable recommendations to the management at the beginning of each semester.
- Planning and monitoring committee also identifies the areas where expansion of infrastructure is needed and submits its recommendations.
- The governing council sanctions the recommendation after detailed discussion.

4.1.2 Detail the facility available for

a) Curricular and co-curricular activities—classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

Our institution is spread over 29.14 acres with excellent infrastructure facilities in a tranquil atmosphere to promote the teaching, learning and research activities.

Details of Infrastructure Facilities

Particulars			Number of Rooms	Area in Square meters
Class Rooms	UG	B.E/B.Tech	55	4,175 m ²
	PG	MBA,MCA	7	674.3 m ²
Tutorials	UG	B.E/B.Tech	14	502.26 m ²
	PG	MBA,MCA& M.E/M.Tech	16	525.32 m ²
Drawing Halls			1	158 m ²
Seminar Halls	UG	B.E/B.Tech	12	1,884 m ²
	PG	MBA,MCA & M.E/M.Tech	2	340.3 m ²
Research Laboratory			7	601.6 m ²
All Laboratories			55	4,822.62 m ²
Workshops			13	3,035.29 m ²

Departments

Every department is functioning in its own block. Each block consists of well utilized and ventilated class rooms and tutorial rooms for remedial classes, well equipped laboratories, seminar halls & sufficient rest rooms.



Class rooms

Institution has airy class rooms with good conditioned sitting benches and tables, fans, tube lights, provision for LCD projector, proper lighting arrangement, ventilation dust bins, with comfortable seating capacity.



Auditorium

The Institution has multi purpose auditorium to conduct institution functions like annual day, alumni meet and graduation day.



Seminar Hall

The institution has seminar halls to conduct various events like internal and external symposia, national conferences, placement activities, teacher's day celebrations, engineer's day celebrations and other significant events.



Laboratories / Workshops

Institution has well equipped laboratories and workshops, each of them are established with advanced and latest equipments. These labs are also utilized by students to do their projects.



Library

The College has a well-equipped modern Wi-Fi library housed in a total area of 1563 sq.m. The books are classified and arranged according to the Dewey Decimal Classification Scheme Open Access System is followed.

The library has computerized catalogue to find out the availability of books. The library is kept open on all the days from 08:30 AM to 07:00 PM.

The library has extensive collection of books and is augmented on a continuous basis. National, International Journals, Magazines, e-journals, E-books, Project Reports, Educational Audio and Video Cassettes and CDs are available.

Specialized Facilities and equipments for teaching, learning and research

Our institution has established exclusive NPTEL center for the students to learn themselves. All the NPTEL materials are kept available and utilized by the students regularly.

Innovative learning center is initiated with the association of Mindtree Technologies and Radix Learning Center to enhance the programming and language skills.

To endorse teaching and learning, our institution also has facilities like LCD projectors, OHPs and audio visual equipments.

b) Extra-curricular activities - sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

The institution is enriching and providing facilities for students to participate in cultural, sports and other extracurricular activities. Our NSS, NCC & YRC units are actively undertaking social welfare activities like blood donation camps, gardening and other social activities.

Sports

The institution has been participating in zonal, inter zonal and university level tournaments. All facilities for both indoor and outdoor games are available. A large numbers of sports activities are organized in the institution aiding the students to display their talent in sports activities.

Sl. No.	Description	Details
1	Total area of the play ground	40,000 sq.m 1,400 sq.m (Indoor Stadium)
2	Details of the outdoor games available	1. Volley Ball - 4
		2. Foot Ball - 2
		3. Cricket - 1
		4. Kabbadi - 4
		5. Hockey - 1
		6. Tennis - 2
		7. Ball Badminton - 4
		8. Basket Ball - 2
3	Details of the Indoor games available	1. Badminton - 4
		2. Chess - 1 Hall
		3. Table Tennis - 4
4	Details of gymnasium available	1. Multi gym with 6 stations
		2. Other equipments.

➤ Outdoor Games



➤ **Indoor Games**

Facilities for the indoor games like Table Tennis, Chess, Carom etc, are provided to students in the institution campus.



NSS

Institution has two NSS units of 200 students. Various socially relevant services like blood donation camps, Medical awareness camps are conducted by the NSS Students.



NCC

Our Institution has NCC Unit from 2001 onwards. The Unit has members from various department and they actively participate in various social related activities.



NCC Activities

2011-2012

S. No	Program/Event	Place	Date	No. of Cadets	Remarks/ Position
1	Sapling Plantation	JCET	10.11.2011	52	500 Trees are Planted
2	Independence Day	JCET	15.08.2011	Cadets & Faculty	65 th Independence day Celebration
3.	Combined Annual Training Camp	K.S.R College of Technology, Tiruchengode	18.07.2011 to 05.10.2011	17	16 gold medals 8 silver medals over all winner
4	NCC Day Celebration	JCET	24.11.2011	52	63 th ncc day celebration
5	Combined Annual Training Camp	CSI. Mat. Hr. School, Salem	27.12.2011 to 05.01.2012	20	15 gold medals 7 silver medals
6	Republic Day Celebration	JCET	26.01.2012	cadets & faculty	63 th Republic Day celebration
7	Rain Water Harvesting	Nallanur Village	03.03.2012	52	Awareness for Rainwater Harvesting

2012-2013

S. No	Program/Event	Place	Date	No. of Cadets	Remarks/ Position
1	Combined Annual Training Camp	St.Pauls hr. Sec. School salem	26.09.2012 to 05.10.2012	24	21 gold Medals 12 Silver Medals Over all Winner
2	NCC day Celebration	JCET	24.11.2012	52	64 th NCC day Celebration
3.	Annual Training Camp	AVS arts and science college Salem	22.12.2012 to 31.12.2012	25	18 Gold Medals 8 Silver Medals II-Position

4	'B' Certificate Examination	Vinayaka Mission, Salem	10.03.2012 to 11.03.2012	Total:26 Attend:19	19 Pass
5	'C' Certificate Examination	Vinayaka Mission Salem	25.03.2012 to 26.03.2012	17	All Pass
6	NCC First Year Cadets Inauguration	JCET	20.08.2012	27	Cadets are Enrollment
7	Republic Day Celebration	JCET	26.01.2013	52	64 TH Republic Day Celebration
8.	Explanation of Fire Service And Rescue Depart Ment By Ncc Officer	JCET	02.02.2013	52	Awareness for Fire Accident
9	Blood Donation Camp	Govt. Medical Collge, Dharmapuri	03.02.2013	52 Other Students	Cadets And Other Sudents Donated Blood
10	Combined Annual Training Camp	KSR Engg & Tech Thiruchengcode	12.06.2013 to 21.06.2013	24	13 Gold Medals 4 Silver Medals

2013-2014

S. No	Program/Event	Place	Date	No. of Cadets	Remarks/ Position
1	Independence Day Celebration	JCET	15.08.2013	Cadets & Faculty	67 th Independence Day Celebration
2	Save Energy Rally	Nallanur village Dharmapuri	01.11.2013	44	Rally Finished 5km
3	NCC Day Celebration	JCET	22.11.2013	44	65 TH NCC Day Celebrtion
4	Combined Annual Training Camp	St.john's mat hr.sec.school Salem	23.09.2013 to 02.09.2013	7	8 Gold Medals 4 Silver
5	'B' Certificate Examination	Vinayaga Mission, Salem	23.02.2013 to 24.02.2013	Total: 29 Attend: 19	19 Pass
6	'C' Sertificate Examination	Vinayaga Mission	06.03.2013 to 07.03.2013	14	All Pass`
7	Tamil nadu govt. Scholarship scheme for excellence NCC Acitivities	12 (TN) BN Salem	05.04.2013	2	Cash award 2000/- Rupees
8.	Ncc First Year Cadets Inauguration	JCET	22.08.2013	19	Cadets are Enrollment
9	Republic Day Celebration	JCET	26.01.2014	Cadets & Faculty	65 TH Republic Day Celebration
10	Road Safty and Trafic Rules	JCET	05.02.2014	44	Awareness for People's

2014-2015

S. No	Program/Event	Place	Date	No. of Cadets	Remarks/ Position
1	Yoga Training For Cadets	JCET	27.07.2014	36	Meditation FPR our cadets
2	Clean India	Pikkam patti (vill) Dharmapuri	05.08.2014	36	Cleaned Nallanurvillage
3	Independence Day Celebration	JCET	15.08.2014	36	68 th Independence Day Celebration
4	Combined Annual Training Camp	Holy cross mat. Hr. Sec. School, salem	26.09.2014 to 05.10.2014	10	18 Goldmedals I-Over all Shield
5	NCC Day Celebration	JCET	21.11.2014	36	66 TH NCC Day Cebrtrion
6	Republic Day Celebration	JCET	26.01.2015	36	66th republic day celebration
7	Weapon Training By Army Peoples	JCET	06.02.2015	36-Jayam 50-GAC	Trained very well
8	'B' Certificate Examination	Soudeswari arts and science college, Salem	21.02.2014 to 22.02.2014	10	All Pass
9	'C' Certificate Examination	Soudeswari arts and science college, Salem	04.03.2015	7	All Pass

2015-2016

S. No	Program/Event	Place	Date	No. of Cadets	Remarks/ Position
1	International Yoga day Camp	AVS Arts College Salem	21.06.2015	36	2 Days Only Training Camp
2	Independence Day Celebration	JCET	15.08.2015	52	69th Independence Day Celebration
3	NCC First Year Cadets Inauguration	JCET	01.09.2015	27	Cadets are Enrollment
4	Tree Plantation	JCET	01.08.2015	52	300 Trees are Planted
5	Independnce Day	JCET	15.08.2015	Cadets & Faculty	66th Independence Day Celebration

Cultural Activities

Every year institution organizes annual day in which students exhibit and showcase their talents. The students participate with zeal in many cultural activities. It is an event which reveals out the hidden talents of students but not the technical aspect rather the arty part comes to the fore.

Communication Skills development

Every semester various activities like public speaking and communication skills development etc are conducted with the support of external agencies for enriching the communicative skills of students.

Yoga

Yoga classes are regularly conducted. Students are encouraged to do yoga demonstrations during cultural events at the college and they take part in competitions outside the college as well.

Health

Medical facility is available in the campus for the benefit of the staff and students. An ambulance belonging to the college is stationed inside the college.



Hygiene

Adequate effort is made by the management to provide hygienic food in the hostel mess and canteens. Water doctors are available in all the buildings. The entire ambience of the institution is clean, fresh and encouraging.



RO Plant

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growing than despotically utilized? Give specific examples of the facilities developed / augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution/campus and indicate the existing physical infrastructure and the future planned expansions if any).

Our institution is incessantly planning to improve the infrastructure for the academic growth as per AICTE and Anna University norms. To maintain pace with the altering needs and necessities, additional infrastructure is added from time to time.

Separate self sufficient blocks are available for each discipline with provision for future expansion.

Plan and Optimal Utilization of Available Infrastructure

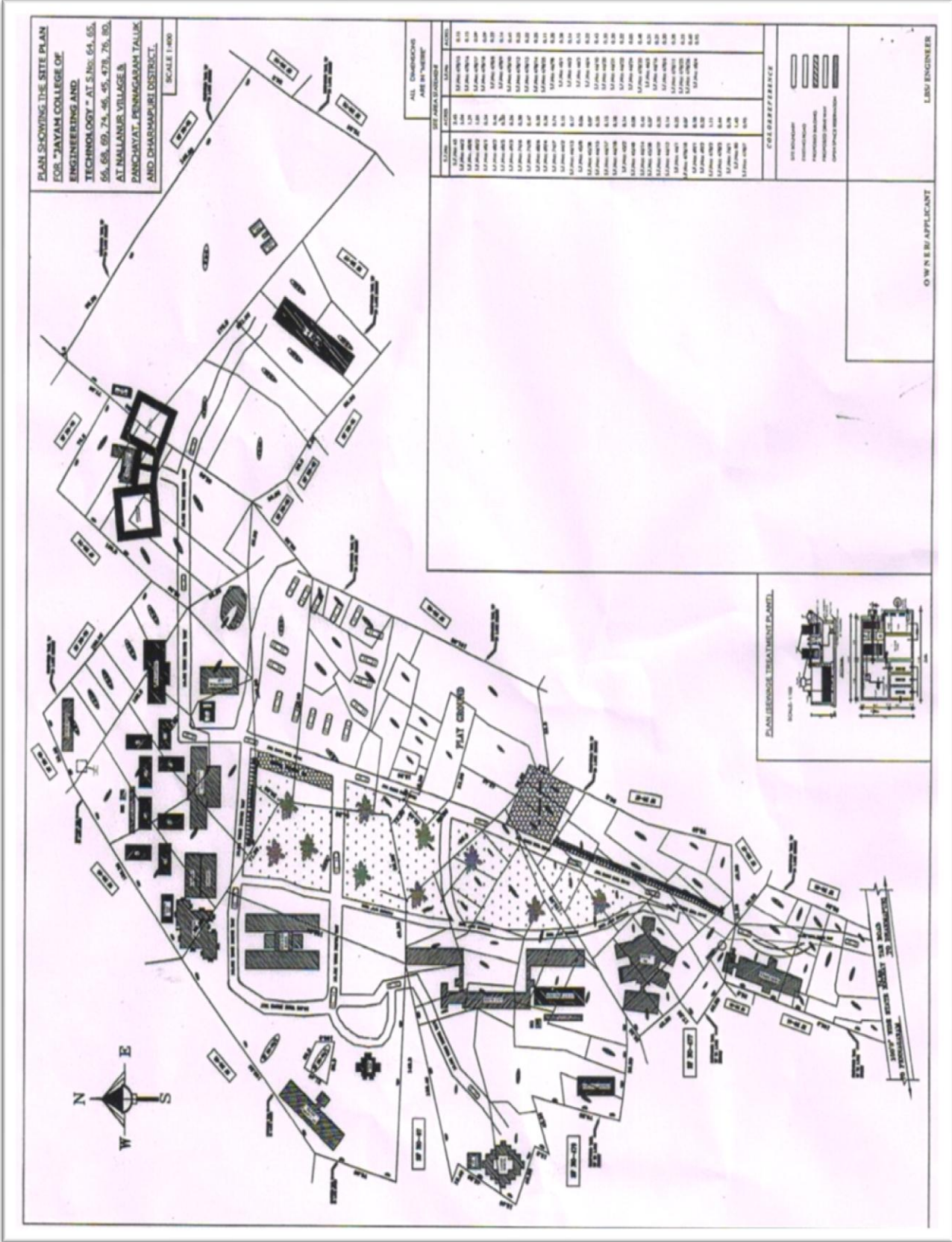
- The requirements needed for the next academic year is collected at the end of every even semester, quotations are invited and required items are procured before the beginning of the next academic year.
- On assessing the requirements and accessibility periodically through reviews, the infrastructure is optimally utilized.
- The common computing center, library and internet facilities are extended even after the working hours and holidays for its optimum utilization by the students and faculty.

- Server is maintained 24 hours with technicians working in shifts.

Facilities Developed in the last four years and the amount spent

Items	Expenses in 2011-12 (Rs)	Expenses in 2012-13 (Rs)	Expenses in 2013-14 (Rs)	Expenses in 2014-15 (Rs)
Acquisition of land: & new buildings and infrastructural built-up	55660207	75721961	9591262	21849112
Library Books & Equipemnt	751347	2522714	89413	109996
Library E-Journal, Print Journals & Magazines	175307	594112	906385	736262
Laboratory Equipment & Software	14706584	20425306	843757	952845
Games and Sports	370368	737235	769372	72425
Buses & Cars purchase	7397233	24836311	1258721	2091617
Furniture	3255383	2501197	414132	Nil
Administrative and other Expenditure	58194951	62506121	67545633	40247278
Generator purchase	90000	454000	555000	Nil
Salaries, Wages & allowances	42417560	51060408	58688072	69123242

Master Plan of the Institution



Infrastructure details of the Institution:

S. No	Building Name	Approval Date	Ground Floor in m ²	I Floor in m ²	II Floor in m ²	III Floor in m ²	Total in m ²
1	BlossomBlock (Computer Block)	10/11/1999	884.63	884.63			1769.26
2	Admin Office	06/06/2000	193.12				193.12
3	Power House	09/10/2002	380.58				380.58
4	Ladies Hostel	03/12/2002	445.63	445.63	30.13		921.39
5	Mechanical Block	03/12/2002	916.44	916.44			1832.88
6	Workshop (AC)	03/12/2002	1833.38				1833.38
7	Gents Hostel A&B Block	03/12/2002	590.28	590.28	590.28	14.46	1785.30
8	AcademicBlock (ABCD block)	09/06/2005	2077.93	1934.61	1934.61		5947.15
9	Library	12/01/2006	377.19	185.87			563.06
10	Auditorium	12/01/2006	1583.43				1583.43
11	Staff Quarters	10/08/2006	176.35				176.35
12	P.G. Block	10/08/2006	1345.00	1345.00	869.27		3559.27
13	Ladies Hostel	10/08/2006	357.00	357.00			714.00
14	Workshop& Lab Building (ABCD block)	10/10/2008	726.61	726.61	726.61		2179.83
15	Gents Hostel C Block	10/10/2008	861.00	861.00	861.00		2583.00
16	Canteen Building	10/10/2008	723.32	627.32	627.32		1977.96
17	Mess Extension Ladies Hostel	11/12/2009	190.71				190.71
18	Library Boys Toilet	11/12/2009	116.26	99.72			215.98
19	Mess Extension Gents Hostel	11/12/2009	288.10				288.10
20	Workshop Gents Toilet	11/12/2009	188.48	171.93			360.41
21	P.D. Room	11/12/2009	108.64	101.23			209.87
22	Mess Store Room	11/12/2009	123.51	117.33			240.84
23	Aeronautical Lab Block	11/12/2009	557.62				557.62
24	Library AnnexBuilding	11/12/2009	470.47	470.47			940.94
25	Incubation Hub Building	08/01/2010	56.34	56.34	56.34		169.02
26	ECE & EEE Block (Electronics block)	08/01/2010	1740.00	1740.00	1740.00	1455.00	6675.00
27	Additional Workshop	08/01/2010	430.15				430.15
28	PG Ladies Hostel	08/01/2010	846.00	846.00			1692.00
29	General Store	08/01/2010	849.65				849.65
Total							40820.25

Future plans and expansion details:

Normally our institution plans in line with its academic growth with centre of excellence. Plans to setup R&D's in each department are afoot.

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

Our institution ensures that the infrastructure is friendly towards of students with physical disabilities in the following manner.

- Class rooms are allocated for the physically disabled students in the ground floors
- Ramps as well as wheel chairs facility are provided in needed blocks.
- Rest room facilities with special provision are available for them.
- Supporting staff and colleague students help them when required.

4.1.5 Give details on the residential facility and various provisions available within them:

- **Hostel Facility - Accommodation available**
- **Recreational facilities, gymnasium, yoga center, etc.**
- **Computer facility including access to internet in hostel**
- **Facilities for medical emergencies**
- **Library facility in the hostels**
- **Internet and Wi-Fi facility**
- **Recreational facility-common room with audio-visual equipments**

❖ **Hostel Facility:**

Separate hostel facilities for boys and girls as well as faculty are available within the campus.

Description	Girls	Boys
Location	Institution Campus	Institution Campus
Number of Rooms	84	217
Total Build up area in sq.m	3418 Sq. m	4897 Sq. m
Whether internet is provided	Yes	Yes

❖ **Recreational facility:**

Recreational facilities like TV with cable connection, hall with magazines and newspapers, gym, yoga etc., are provided in both boys and girls hostels.

❖ **Computer facility including access to internet in hostel**

Computer and Wi-Fi facilities are provided for the inmates.

❖ **Facilities for medical emergencies:**

The institution and hostel have sufficient arrangement in the form of medicines and qualified nurse to administer basic medical assistance. Ambulance service is available round the clock.

❖ **Internet and Wi-Fi facility:**

The whole campus is provided with Wi-Fi connections and the students can access this facility to enhance their knowledge.

❖ **Hygienic Facility:**

Safe drinking water is provided with water doctor in both the hostels.

❖ **Security:**

Surveillance camera is available at all the blocks of the institution. Security staffs are allotted to monitor the campus round the clock.

4.1.6. What are the provisions made available to students and staff in terms of health Care on the campus and off the campus?

- First aid facility is accessible on emergency.
- Students and staff are provided with free medical checkup, examination and treatment at health care centre in the campus.
- Where further treatment is necessitated, the student is taken to a full fledged hospital. 20 km away, in the college ambulance
- An ambulance facility is available to meet the emergency requirement.
- In addition institution provides group medical insurance policy for staff and students.

4.1.7. Give details of the Common Facilities available on the campus - spaces for Special Units like IQAC, Grievance Redressal unit, Women's Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for Staff and students, safe drinking water facility, auditorium, etc.

S. No	Unit	Staff In-charge	Details
01	IQAC (Internal Quality Assurance Cell)	Prof. G. Gokulakrishnan	Improves the academic performance of the institution and functions towards quality enhancement.
02	Grievance Redressal Unit	Prof. Saa. Ezhilan	Examine and scrutinize the complaints and grievances

03	Counseling and career guidance	Class in charges & Placement officer	Personal and academic counseling is carried out in a systematic manner.
04	Placement Unit	Prof. K. Elamvazhuthi	Provides efficient, effective training and employment opportunities for all students
05	Health centre	Administrative Officer	Health care is provided by Jayam Hospital
06	Canteen	Prof. Geetha	Spacious canteen to cater the needs of the staff and students in which quality and hygiene are given utmost importance in both cooking and serving
07	Auditorium	Administrative Officer	Auditoriums with a seating capacity of 1000 are available in the institution.
08	Recreational spaces for staff and students	Administrative Officer	Facilities are available in the separate hall containing DTH enabled service also in the form of conduction of activities like hostel day, sports events etc
09	Transport facility	Mr. Pachiappan	The Institution provides comfortable and safe transport to the Students & staff by running a fleet of 40 buses.
10	Women's Cell	Prof. R. Yalini	Addresses the complaints of grievances from women, if any
11	Safe drinking water facility	Administrative Officer	RO plant is available in the institution through which safe drinking water facility is ensured
12	Electricity	Mr. Saravanan	Ht Line - 210 KVA Demand Transformer - 500 KVA Generators total capacity - 437.5 KVA UPS total capacity- 196.5 KVA

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes, the library has an advisory committee.

The committee consists of

- Prof. R. Balasankar, Chairperson
- Prof. P. Shanmugam, Convener
- Heads of the Departments,
- Faculty representatives from all the departments.

The committee meeting will be held once in a semester and discusses implementation of the library and improvement of library infrastructure. It takes up the process of identifying, planning, and procurement of the books, journals, manuals etc. It ensures the upgradation of the library to keep pace with the current trends/demands.

Responsibilities of the Committee:

- The committee monitors the allocation of funds for the books, journals, manuals etc., and the digital processing of information, including on-line journals.
- It also monitors the utilization of the library by faculty and students.
- The committee takes into consideration all the procurement criteria, and rules and regulations of the library management.
- The committee looks into the indents of the departments and evolves a suitable purchase mechanism.
- The committee submits the minutes of its meetings along with observations, suggestions, if any and resolutions to the institution management committee for further processing. The chairman and the members of the committee oversee all the operations in coordination with the Librarian and other Library personnel.

Significant initiatives implemented by the committee to render the library, student/user friendly:

- The working hours of library are extended beyond the institution working hours.
- Procurement of books and journals to meet the academic demand of the users.
- Separate racks are available for magazines and periodicals.
- Internet facility is provided to use e-journals and books in the digital library.
- Enabling Wi-Fi facility in the library building
- Additional book tokens are provided for the toppers in the university examinations.

4.2.2 Provide details of the following:

- **Total area of the library (in Sq. Mts.)**
- **Total seating capacity**
- **Working hours (on working days, on holidays, before examination days, during examination days, during vacation)**
- **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**

➤ **Total area of the library**

Total area of the library	1563 Sq. m
---------------------------	------------

➤ **Total Seating capacity,**

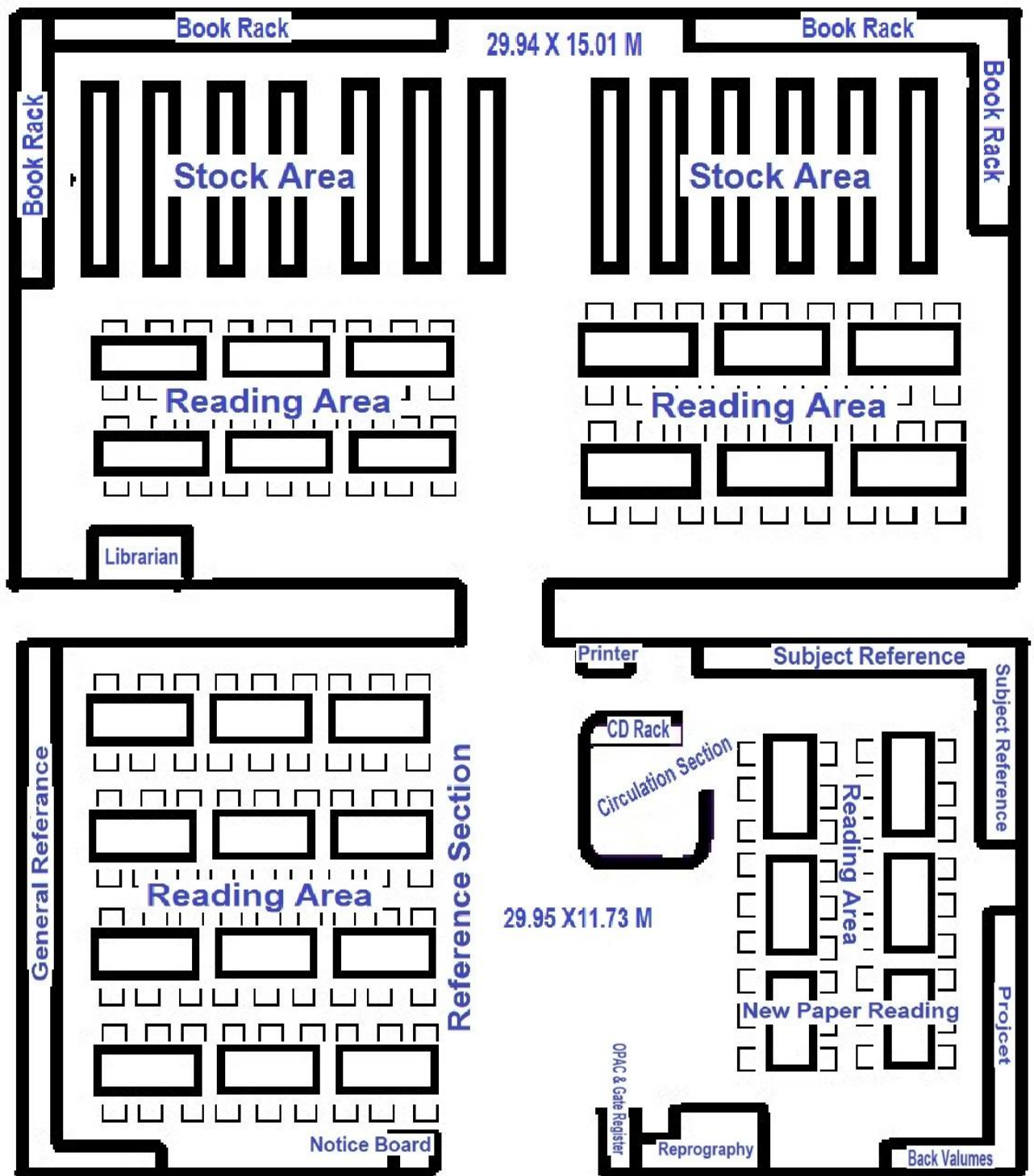
Total seating capacity	400
------------------------	-----

➤ **Working hours (on working days, on holidays),**

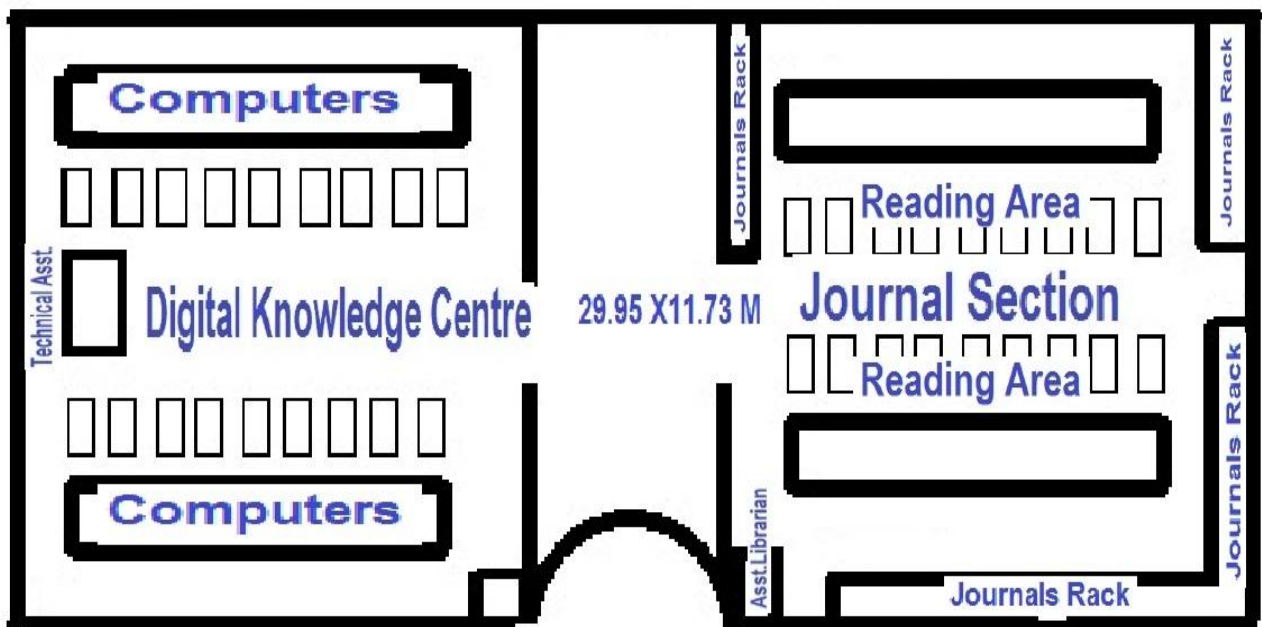
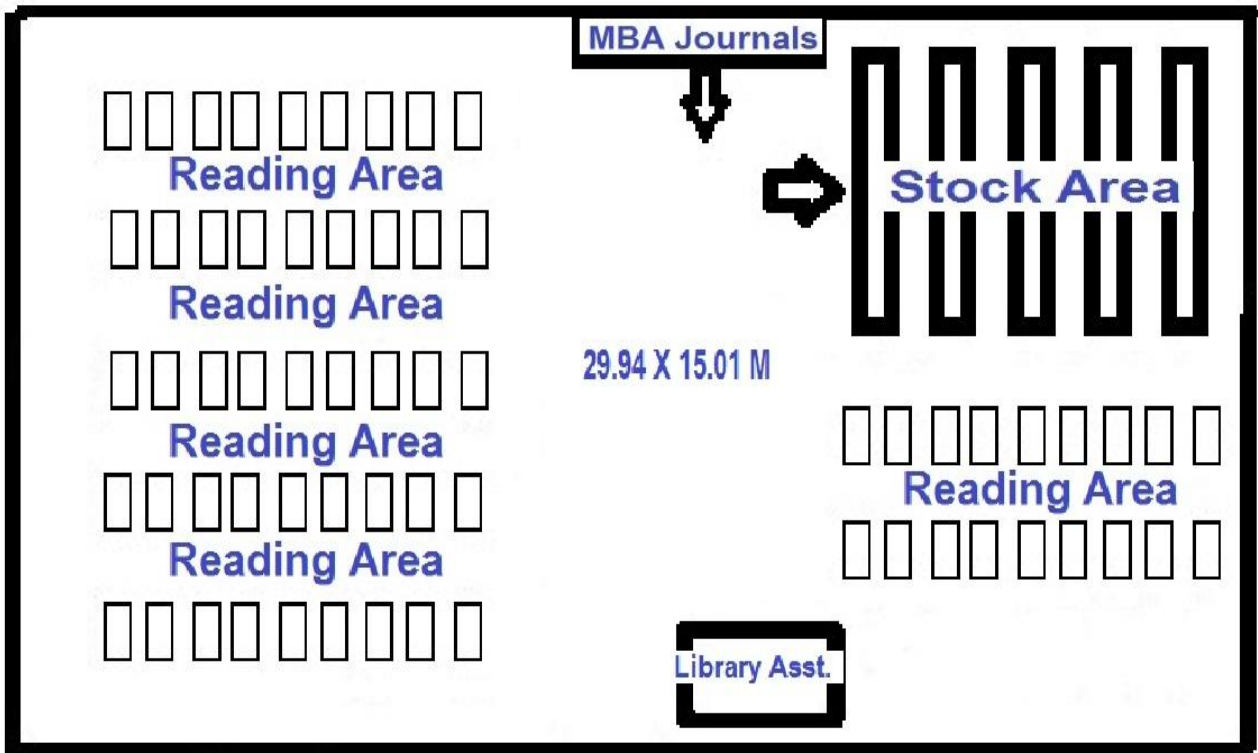
On working days	8.30 am to 7.00 pm
During holidays	9.00 am to 5.00 pm

➤ **Layout of the library.**

Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, digital knowledge centre for accessing e-resources)



Ground Floor



First Floor

Central Library



Ground Floor

Circulation section, reference section, stock area, reprography section, printing area, backvolumes, project reports and media resource centre, news papers and periodicals.



Circulation Section



Reference Section



News Paper Section

First Floor

Journals section, Digital Knowledge Centre, MBA & MCA library.



Reading Section



Periodical Section



E - Library



Journals Section

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

The library advisory committee reviews the requirement received from various departments and recommends the same for further processing. The institution procures all reading material well in advance of the commencement of academic year.

Details of the amount spent on procuring new books, journals and other reading materials during the last four years:

Library holdings	2014-2015		2013-2014		2012-2013		2011-2012	
	numbers	Total Cost (in Rs)	numbers	Total Cost (in Rs)	numbers	Total Cost (in Rs)	numbers	Total Cost (in Rs)
Text books and Reference books	4,083	8,60,470	463	98,646	7,717	28,59,846	3,857	16,34,384
Journals/Periodicals	128	1,91,921	140	2,81,539	119	1,46,383	105	1,59,725
E-Resources	4,499	5,15,116	4,483	5,04,106	4,483	4,31,055	2,227	2,33,591

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- OPAC
- Electronic Resource Management package for e-journals
- Federated searching tools to search articles in multiple databases
- Library Website
- In-house/remote access to e-publications
- Library automation
- Total number of computers for public access
- Total numbers of printers for public access
- Internet band width/ speed 2mbps 10 mbps 1 gb (GB)
- Institutional Repository
- Content management system for e-learning
- Participation in Resource sharing networks/consortia (like Inflibnet)
- OPAC
MODERNLIB is available for the library services.
- Electronic Resource Management package for e-Journals
Institution subscribed for e-journals.
- Federated searching tools to search articles in multiple databases
No.

➤ **Library Website**

Library information is available on institution website.

➤ **In-house / remote access to e-publications**

Both faculty and students can access to e-publications like e-journals, e-books and NPTEL resources through LAN or Wi-Fi connectivity.

➤ **Library Automation**

All the data relating to the library is computerized and bar coding has been done.

➤ **Total number of computers for public access.**

40 laptops are available for faculty & student access in library

➤ **Total number of printers for public access**

One printer is available for faculty& student access in library

➤ **Institutional Repository**

Back up volumes of periodicals, UG and PG projects, journals and book publications are available.

➤ **Content management system for e-Learning**

‘Yes’, e-journals like IEEE, J-GATE Management, ASTM digital library and DELNET, NPTEL Web Courses, Video Courses NPTEL, MIT, Stanford, Harvard and learning ware materials for engineering programme.

➤ **Participation in Resource sharing networks/consortia (like Inflibnet)**

Member of DELNET – Developing Library Network.

4.2.5 Provide details on the following items:

Average number of walk-ins	300
Average number of books issued/returned	200
Ratio of library books to students enrolled	1:15
Average number of books added during last three years	4087
Average number of login to OPAC	150
Average number of login to e-resources	150
Average number of e-resources downloaded/printed	50
Number of information literacy trainings organized	2
Details of “weeding out” of books and other materials	Procedure Exists

(Only with the approval of the advisory committee proposals are passed periodically for weeding out books. The management is informed in advance about weeding out books.)

4.2.6 Give details of the specialized services provided by the library

Manuscripts	Not available
Reference	Separate reference section is available for handbook, manuals, encyclopedia is available in the library.
Reprography	Reprography facility is available in the library for the benefit of the users. Students can take photocopy of the material with the minimal cost.
ILL (Inter Library Loan Service)	Available through DELNET services
Information Deployment and notification	Notice board at the entrance displays all the important and latest notifications.
Download	Campus wide wi-fi. access and downloading is possible
Printing	Printing facility is available
Reading list/ Bibliography compilation	Reading list and bibliography compilation are available
In-house/remote access to e-resources	Remote access to e-resources in In-house is available
User orientation and awareness	Orientation and awareness seminars are organized for library staff, students and Faculty members
Assistance in searching databases	The library officials assists in searching of databases
INFLIBNET/IUC facilities	DELNET

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the institution.

The Library staff always extends their services to the student and faculty of the institution to look after in various aspects mentioned below.

- Library staff issue books to the students and faculty.
- Library is kept open beyond the working hours for students and faculties.
- Library staff displays the important media notifications.
- Library organizes book exhibition for student & staff,
- Duplication/Reprographic facility is available in library.
- Downloading and preserving the hard copy of study material issue of books to departmental library.
- Attending the student on time whenever they require the services.
- Assisting in downloading e-content.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

Library staff assists the physically challenged persons in searching and assessing books from the racks. They will be prioritized for availing of books. Ramp facility is also available.

4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

Yes, library collects the time to time feedback from its users.

- The feedback is collected from students regularly in a special designed format
- A suggestion box is kept in the library to get feedback from staff and students at any point of time for the requirements or any suggestions for improvement.
- The feedback information in the suggestion boxes are analyzed by the library advisory committee and recommended for further improvement of the library.

4.3 IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

- **Number of computers with Configuration (provide actual number with exact configuration of each available system)**

S. No.	Configuration	No. of Computers
1	HP Elite 7100 Micro Tower PC(Intel Core i3-550 Processor @ 3.2 GHz, Intel H57 PCH Chipset, 2GB RAM,320 GB Hard Drive)	100
2	ACER Veriton(Intel Core i3 @ 3.30 GHz, Intel G41 Express Chipset, 2GB RAM DDR3 , 500 GB Hard Drive)	100
3	Hp 430 Notebook PC(Intel Core i3 Processor@2.1 GHz, Mobile Intel GM45 Express Chipset with ICH9M, 3 GB RAM, 500GB Hard Drive)	100
4	Hp Laptop G42 (Core i3 Processor@2.1 GHz, Mobile Intel GM45 Express Chipset with ICH9M, 3 GB RAM, 500GB Hard Drive)	100
5	ACER Veriton(Intel Pentium Dual- Core @ 3.06 GHz, Intel G41 Express Chipset, 2GB RAM, 500 GB Hard Drive)	285
6	Hp 515 Notebook PC(AMD Core 2 DUO@2.4GHz, Mobile Intel GM45 Express Chipset with ICH9M, 1 GB RAM, 160GB Hard Drive)	200
7	Hp 540 Notebook PC(Intel Core 2 DUO@2.14GHz, Mobile Intel GM45 Express Chipset with ICH9M, 1 GB RAM, 160GB Hard Drive)	100
8	HP pro 3090 Micro Tower Business PC(Intel Core 2 Duo @ 2.93 GHz, Intel G43/ICH10 Express Chipset2GB RAM DDR3 1333MHz, 320 GB Hard Drive)	120
9	HP xw4550 Workstation (AMD Opteron 1220 Processor @ 2.8 GHz)	10
10	Hp 2700 Desktop(Intel Core 2 DUO @2.4GHz, 1 GB RAM, 160GB HardDisk)	50
	Total Number of Systems	1165

- **Computer- Student Ratio**

UG - 1: 4

PG - 1: 2

- **Stand alone facility**

50 Computers are provided on stand alone basis.

➤ **LAN facility**

All computing labs are provided with LAN facility

➤ **Wi-Fi facility**

Wi-Fi facility is available in the institution with 20 Mbps speed up to 20 M range and this facility is extended to different locations in the campus.

Specifications:

i) Outdoor Access Point Ratios - 5 No's

802.11 b/g/n high power wireless access point for 20 Mbps speeds, 28dbm RF power, Omni tower bi directional antenna.

ii) Indoor Access Point Ratios - 10 No's

802.11 b/g/n high power wireless access point for 20 Mbps speeds, 28dbm RF power.

iii) Security Server Module - 1 No.

A server and security gateway for user authentication, authorization and accounting.

The Wi-Fi Network can be protected with a 128 bit WEP (or) WPA security to prevent unauthorized users from accessing the network.

➤ **Licensed software**

S.No	Department	Licensed Software
1	Common to All Department	Microsoft Windows 95, Microsoft Windows 2000 Prof, Microsoft Windows NT Server, Windows 98 OEM Second Edition, Microsoft Windows 7, Windows 8, Microsoft Office - 97, McAfee Antivirus, Novel Netware 4.0(50 users) Freeware: Linux (RedHat, Fedora, Mandrake, SuSE, Debian etc) Free / Open / Net BSD, Minix, etc. Fedora Core 14, Fedora Core 16
2	Civil Engineering	Primavera 8.0, StaadPro V8i, Auto CAD 2000 Freeware: LinuxCAD, VariCAD (CAD)

3	Computer Science and Engineering / IT / MCA	<p>VS Pro, SQL Enterprise, Win Server 2008, Microsoft Visual C++, Microsoft Visual Basic 5.0, Microsoft Visual Forpro 6.0, SCO Open Server, Novell Network 4.0, Pascal 3.0 Compiler, Fortran 3.0001 Compiler, Oracle 11g, Adobe Flash Pro CS5, Adobe Photoshop CS Single User, Adobe Flash,</p> <p>Freeware: Eclipse, GIMP, Artofillusion, Ayam, Blender, Open Office, Koffice, Apache, Tomcat (Web server), Sendmail (mail server), BIND (DNS Server), Squid (Proxy Server).</p> <p>Abi Word, Mr Project, GNU Cash, PS Slides, Presenter, Magic point, Gnumeric, Gnuledger, Oleo, Qhacc, Sharp tools spreadsheet, GCC, Java, FORTRAN, Perl, Python, Ruby, Lisp, Ocaml, Glade, QT4.</p>
4	Electronics and Communication Engineering	<p>Idea 2004, XILINX 9.1, XILINX 13.4, Tina Pro, B2SPICE, ViRt-Sim Net Simulator (TASM/MASM Simulator), QUARTUS-II, LSIM/NSIM/LTS, MATLAB R2012a, Signal Processing Tool Box, DSP Tool Box, Image Processing Tool Box, Communication Tool Box</p> <p>Freeware: GEDA, tkgate, Gaphor, Pcb, PIPE (petrinets), Xcircuit, GTKWave, EngyCAD, Icarus Verilog, ViPEC, Alliance, Darwin2k, HDLMaker.</p>
5	Electrical and Electronics Engineering	<p>MATLAB R2012a, MiPower, Control System tool box, Multisim 2001</p> <p>Freeware: PIPE (petrinets), Xcircuit, GTKWave, HDLMaker, Icarus Verilog, ViPEC, Darwin2k.</p>
6	Mechanical Engineering	<p>CADEM 2004, ANSYS-13.1 (2010), Solid Works 2011, Auto CAD 2000</p> <p>Freeware: LinuxCAD, VariCAD (CAD),</p>
7	Basic Sciences and Humanities	<p>English Language Lab, Multimedia English Language Lab</p>

➤ **Number of nodes/ computers with Internet facility**

All the computers are provided with internet connectivity.

➤ **Antivirus Software details:**

All the Computers are installed with an updated version of licensed antivirus software - Kaspersky.

4.3.2 Detail on the computer and internet facility made available to the faculty and Students on the campus and off-campus?

Internet service is available for both faculty and students in the campus.

Specifications	
Internet Provider	Bharat Sanchar Nigam Ltd.,
Total Band width	20 Mbps leased line connections.

- All the departmental computing centers are provided with internet facility
- 50 computers are provided with internet facility in the Wi-Fi library
- Internet service is provided in hostel.
- The institution provides internet facility to staff members at the respective departments in order to access the required study material from available e-resources and deliver them as part of their teaching process.
- HoDs are provided separate computer facilities with internet connectivity
- Wi-Fi connectivity is available at various locations in the campus
- Un-interrupted power supply is made available in the campus so that the students and staff can access the internet without any interruption

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

The institution continuously upgrades the IT infrastructure and associated facilities.

- Computer systems are upgraded with latest configuration.
- Provision are made in the annual budget for the procurement of the computer systems.
- Internet bandwidth is increased as per requirements.
- All the computer systems in the campus are regularly monitored by the system administrator and maintenance staff.
- In case of major problems i.e. replacement of component/part during warranty period will be sent to the respective service centers and got replaced at the earliest.

4.3.4 Provide details on the provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the Institution (Year wise for last four years)

Year	2014-15	2013-14	2012-13	2011-12
Amount Spent	67,08,268	55,53,967	48,44,857	61,64,140

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

- The institution has adequate computer facility for its faculty. Faculty members are provided with computers with internet facility for preparation of teaching/learning materials in their respective departments.
- Each department has its own computing facility based on the curriculum demand.
- Number of computer laboratories and number of computers in each laboratory vary from department to department. The faculty and students can access e - resources available in the library through Wi-Fi facility.
- Adequate Multimedia projectors, OHPs are available within the institution for the faculty usage.
- Each department in the institution has individual seminar halls provided with projector, PA system and internet facilities.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT Enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

The following facilities are available for the students to

- The institution acts as a facilitator for e-learning material (NPTEL video lectures) and the accession of online lectures of various experts from IITs, NITs and Reputed institutes.
- Digital library and e-journals kindles the self learning skill of the students.

- Students are encouraged to participate in the seminars using power point presentations by collecting material from online.
- Online classes and assessments are conducted in the training centre.
- At every semester students are provided with the value added courses that should be learned additionally with the curriculum.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

Access to the NPTEL contents is available.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (Substantiate your statements by providing details of budget allocated during last Four years)?

Amount spent on	Amount in Rupees (in Lakhs)			
	2014-15	2013 -14	2012 -13	2011 -12
Books, Journals & E- Journals	12	10	8	2
Building development	210	90	700	510
Laboratory consumables	15	10	16	12
Laboratory repairs & Maintenance	10	6	5	4
Website & maintenance	5	4	5	4
Internet usage	18	12	16	13
Sports	6	9	7	16
Placement activates	5	7	8	6
Furniture & Fittings	5	6	25	33
Maintenance (EB & Telephone)	45	45	40	26
Function Expenses	10	9	7	16
Laboratory equipments	12	8	200	147
A/C, Generator Set	15	12	11	13
Transport (Diesel expenses)	147	165	125	86
Vehicles	60	12	248	75
Academic activates of the department	20	18	16	17
Research, seminars & workshops	12	11	25	13
Miscellaneous Items	900	700	400	633

4.4.2 What are the Institutional mechanism for maintenance and upkeep of the Infrastructure facilities and equipment of the institution?

Maintenance and up keeping of equipment facilities:

- Every department maintains a stock register for the equipments available.
- Proper inspection is done and verification of stock takes place at the end of every year.
- The stock verification will be done periodically to identify the non working equipments and for repairing replacement.
- Regular servicing and up keeping of the equipments is overseen by the faculty member who is in charge of the laboratories.
- The annual budget and allocation of funds and regular monitoring of funds utilization ensures the up keeping of the infrastructure in the institution.
- The non-teaching staffs are also trained in maintaining the equipments.

Maintenance and Up keeping of Infrastructure Facilities:

- A committed team of employees is maintaining the green ambience of the campus.
- The civil and electrical works are adequately monitored and maintained by the administrative office.
- Naphthalene balls and pesticides provision are made in the library to keep the books safely.
- A separate power house is functioning with a total connected load of 210 kva which is maintained by the electrical supervisors.
- Separate cell in the name of Server cell is functioning for procurement, up-gradation, deployment and maintenance of computers and their accessories in the Institution.
- Fire extinguishers are available in every floor.
- The Workers look after the maintenance of rest rooms, approach roads and neatness of the entire premises.
- Housekeeping services are done regularly.
- Electrical & other appliances are periodically serviced.

4.4.3 How and with what frequency does the institute take up calibration and other Precision measures for the equipment/instruments?

Calibration of instruments is done at regular frequency as suggested by the supplier to improve the precision and accuracy of the measuring instruments. Institution is having a team of qualified technical staff for maintaining the computers and networking facilities.

4.4.4 What are the major steps taken for location, upkeep and maintenance of Sensitive equipment (voltage fluctuations, constant supply of water etc.)?

The institution takes most care to upkeep and maintains the sensitive equipments.

- All sensitive instruments are protected from voltage fluctuations by stabilizers and power outages through the use of off-line and dedicated on-line UPS.
- The electrician and the supporting staff of the institution are responsible for the upkeep of electrical equipments and maintenance.
- Lightning arresters are kept at a few points.
- Separate transformer is installed in our campus.

Particulars	Capacity	Nos.
Transformer	500KVA	1
Main Circuit Breaker	800 Amps	1
Bus Bar chamber	3 Phase 1000 amps	2
Distribution Panel	400 Amps, 250 Amps, 125amps, 63 Amps	25
Change over switch	400 Amps	10

- To ensure continuous power supply through Generators and Power Backups.
 - One generator of 250 KVA capacity,
 - One generator of 125 KVA capacity,
 - One generator of 62.5 KVA capacity,

UPS Power BACKUP

No. of UPS Systems	11
Total Capacity of Power Backup	196.5 KVA

- Supply of purified drinking water to all academic blocks, hostels and canteen.

Storage capacity	20000 liters container
Filtration Capacity	2000 liters /hr
Treatment	UV RO treated oxidized
Drinking water Storage tank	4 No's with a total capacity of 20000 liters.
Water availability in hostel	24 hours
Method of distribution of water : Academic Premises	17 water coolers

Overhead tanks are periodically cleaned & sanitised

Any other relevant information regarding infrastructure and learning resources which the institution would like to include.

The institution has infrastructure ahead of its time as per the curriculum and to the societal needs. The facilities are updated continuously according to the emerging needs. Health care and residential facilities are both available for faculty and students. Learning facilities like online journals, NPTEL and other video lectures are made available. Digital library is functioning with internet facility for e-access. Adequate facilities are available for extra curricular activities.

CRITERION - V

STUDENT

SUPPORT AND PROGRESSION

- 5.1 Student Mentoring and Support**
- 5.2 Students Progression**
- 5.3 Student Participation and Activities**

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'Yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

'Yes',

- The institution publishes its updated academic calendar annually. The vision and mission of the institution are clearly stated in the academic calendar.
- Also the institution publishes prospectus and brochures every year.
- The students can access the information like:
 1. Academic schedule for the full academic year
 2. Anna university regulations regarding attendance, academic requirements, tentative schedule of Internal and university examinations.
 3. Schedule for symposia, workshop and other extracurricular functions.
 4. Rules and regulations governing the college as well as in the hostel.
 5. Library facilities available in the institution
 6. Career advancement and placement information.
 7. Laboratory facilities & infrastructure.
 8. Value added courses taught in various departments also.
- In addition to that time to time our institution website www.jcet.ac.in is updated with all information.

JAYAM COLLEGE OF ENGINEERING & TECHNOLOGY
Approved by AICTE & Affiliated to Anna University, Chennai
NBA Accredited Programmes: ISO 9001:2008 Certified
Nallanur, Dharmapuri - 636813

Counselling Code 2606

Courses Offered

- B.E - Computer Science Engineering*
- B.E - Mechanical Engineering*
- B.E - Electrical & Communication Engineering*
- B.E - Electrical & Electronics Engineering*
- B.E - Civil Engineering
- B.E - Aeronautical Engineering
- B.Tech - Information Technology*
- M.E. - Computer Science & Engineering
- M.E. - Applied Electronics & Engineering
- M.E. - Power Electronics & Drives
- M.E. - Engineering Design
- M.E. - Structural Engineering
- M.E. - Thermal Engineering
- M.Tech - Information Technology
- Master of Business Administration
- Master of Computer Application

5 UG Programmes Accredited by NBA

Jayam College of Engineering & Technology (JCET) founded by Jayam Educational, Health and Charitable Trust was established in the year 1995 and has a glorious past and legacy of 17 years. The campus is located at Nallanur on the Dharmapuri - Hogenakkal Highway.

The campus has a serene environment which provides a perfect setting for a peaceful academic pursuit. The campus is well connected by Road and Rail with Bangalore and Salem. It is 135km from Bangalore Airport.

The college has obtained accreditation by the National Board of Accreditation (NBA) for SUG programmes viz., B.E - Mech, EEE, ECE, CSE and B.Tech - IT. The college is also ISO 9001:2008 certified. S UG Programmes (MECH, ECE, CIVIL, CSE, EEE) & 1 PG Programme (M.E., CSE) are permanently affiliated to Anna University, Chennai.

"Better Education Better Tomorrow"

Thermal Lab
The college has well-equipped modern library in a total area of 6,000 sq.ft. The library has over 30,000 books.

Techno Lab
The college has established a digital library consisting of 11 laptops with self-availability. More than 10,000 ebooks are available.

Library
The placement and training cell regularly organizes training for the students for preparing them for interviews and competitive examinations. The cell also coordinates with potential employers for job & placement opportunities. Several MNCs visit the campus for recruiting its students.

Educational Facilities
The college provides perfect ambience for world class Engineering Education and Research & Development and for developing innovative applications of technology.

Placement
The college has a well-qualified, experienced & dedicated team of 700 Faculty and 70 Supporting staff for the institution. 34 faculty members are engaged in research.

Hostel
The campus hosts well-planned Academic blocks housing lecture and labored halls, state-of-the-art laboratories, computer centers, air-conditioned conference halls, auditorium, language laboratories, research centers, etc. The campus is Wi-Fi enabled with 20Mbps internet connectivity.

Hostel
A home away from home. Separate Hostel facilities for Boys and Girls with all facilities with a choice of vegetarian and non-vegetarian food.

Sports
The college has 16 acres of open fields, having courts for Volley Ball, Soccer, Badminton, Tennis and facilities for Hockey, Chess and four ball. Tables for cricket, tennis are also provided. An indoor double badminton court is also available.

Hostel
The students of JCET participate in various sports events such as Football, Basketball, Volleyball, Badminton, Table Tennis, Chess, etc.

5.1.2 Specify the type, number and amount of institutional scholarships / free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?

The types of institutional scholarships / free ships given to the students during the last four years are listed below:

Merit Scholarships:

To promote competitiveness among the students the university rank holders are awarded with certificates and medals. The first and second position holder in the class in a year gets 25% fee waiver during the subsequent session.

Scholarships belonging to BC / MBC Cadre:

S. No	Academic Year	Number of students benefited	Amount of scholarship (in Rs)
1	2011-12	916	37,68,631
2	2012-13	1101	51,99,555
3	2013-14	709	48,94,660
4	2014-15	895	40,81,385

Scholar ships belonging to SC/ST Cadre:

S. No	Academic Year	Number of students benefited	Amount of scholarship (in Rs)
1	2011-12	175	37,68,631
2	2012-13	211	17,27,600
3	2013-14	333	25,60,000
4	2014-15	309	23,44,500

Minority Welfare Scholarships:

S. No	Academic Year	Number of students benefited	Amount of scholarship (in Rs)
1	2011-12	6	60,000
2	2012-13	10	2,00,000
3	2013-14	3	60,000
4	2014-15	-	-

Management Scholarships:

S. No	Academic Year	Number of students benefited	Amount of scholarship (in Rs)
1	2011-12	45	4,27,500
2	2012-13	7	68,125
3	2013-14	17	1,70,000
4	2014-15	-	-

Sports Scholarships:

S. No	Academic Year	Number of students benefitted	Concession
1	2011-12	101	Fee concession is given based upon their performance in the Sports
2	2012-13	122	
3	2013-14	131	
4	2014-15	98	

In addition to this, the management provides the following incentives and rewards for students:

- Students securing 1st and 2nd ranks in a semester, are rewarded with Rs 1000/- & Rs 500/- cash awards and two additional library tokens. They have to secure 8.0 GPA marks.
- Students achieving 1st and 2nd ranks in the university examinations in an academic year are rewarded with the cash award of Rs.10, 000/- and Rs.7, 500/- having GPA of 8.0 & above.
- University rank holders are appreciated with the cash award of Rs.10, 000/- if they secure the rank positions between 1-10 and the remaining ranks are rewarded with Rs. 5,000/

The institution also provides various scholarship schemes for meritorious students and economically weaker section has been exempted from all expenses of the institution for four years.

JAYAM COLLEGE OF ENGINEERING AND TECHNOLOGY
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NALLANUR, DHARMAPURI-636813. Ph: 04342 - 235235 (30 Lines) / Fax: 235555, 66
Mobile: 99422 - 7777 / Email: info@jcet.ac.in / web: www.jcet.ac.in

COUNSELLING CODE: 2606

COURSES OFFERED
B.E / B.TECH CSE* | MECH* | ECE* | EEE* | CIVIL | AERO | IT* **M.E / M.TECH** CSE | AE | PED | ED | STRUC | THER | IT **MBA / MCA**
SALIENT FEATURES
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Cut-off / Subject	170 and Above	160 - 169.75	150 - 159.75	Centum in Phy or Che or Mat	Physically Challenged	First Graduate with 170 and above	For SC / ST
Fee Concession	100% Tuition Fee Free for all 4 years	40% less on Tuition Fee for all 4 years	20% less on Tuition Fee for all 4 years	Additional 10% less on Tuition Fee	50% less on Tuition Fee	100% Tuition Fee Free for all 4 years + Free Transport	

Register Now: 95244 20000 / 99428 20000

JAYAM POLYTECHNIC COLLEGE
Approved by AICTE and Affiliated to State Board of Technical Education, Tamil Nadu
NALLANUR, DHARMAPURI-636813. Ph: 04342 - 235236 / Mobile: 95244 21000

DIPLOMA COURSES OFFERED
CIVIL / MECH / EEE / ECE / COMPUTER

Marks	For SC / ST	450 and above	400 to 449	350 - 399	Physically Challenged
Fee Concession	100% Tuition Fee Free for all 3 years. Free Uniform / Books / Transport. 15% less on Hostel fee	100% Tuition Fee Free for all 3 years.	30% less on Tuition Fee for all 3 years	15% less on Tuition Fee for all 3 years	50% less on Tuition Fee. Free Uniform / Books / Transport 15% less on Hostel fee.

Register Now: 04342 235236 / 95244 21000

TRANSPORTATION FOR ALL STUDENTS

♦ SALEM - OMALUR - DEEVATTIPATTI - THOPPUR - LALIGAM - NALLAMPALLI - THOKKAMPATTI ♦ THOPPUR - JARUGU - ELAGIRI - THAMMANAMPATTI - VENKATTAMPATTI
 ♦ ANNASAGARAM - MATHIKONPALAYAM - HALE DHARMAPURI - KADAGATHUR - SOGATHUR ♦ BARGUR - ORAPPAM - KRISHNAGIRI - KAVERIPATTINAM - SELLAMPATTI - AGARAM -
 KARIMANGALAM - ATHANCOOR - PERIYAMPATTI - MATLAMPATTI ♦ MATHUR - POCHAMPALLI - BARUR - ARASAMPATTI - IRUMATHUR ♦ UTHANGARAI - KALLAVI -
 MAYATHUR X ROAD - PULIYUR - KAMBAINALLUR - PULIAMPATTY - D. THURINJIPATTI - ARIVAKULAM ♦ KERATTI - NATRAMPALAYAM - HOGERAKKAL ♦ HARUR - MORAPPUR -
 ODASALPATTI X ROAD - SOLAIKOTTAI ♦ B. THURINJIPATTI - BOMMIDI - KADATHUR - ODASALPATTI X ROAD ♦ RAYAKOTTAI - JITTANDAHALLI - PANJAPALLI - MARANDAHALLI -
 VELLICHANDAI - HANUMANTHAPURAM - PALACODE ♦ PAUPARAPATTI - KATTAMPATTI - PULIKKARAI - SEKKODI - PADI - PERIYUR - PIKKILI - O.G.HALLI INDRU
 ♦ PERUMBALAI - CHINNAMPALLI - KOPPALUR - NERUPPUR - ERIYUR - PENNAGARAM

5.1.3 What Percentage of students receives financial assistance from state government, Central government and other national agencies?

From State Government:

- Nearly 80% of the students are benefitted by various financial assistance from state government and central government like Farmer Scholarship, First Graduate Scholarship, Minority Scholarship, (BC, MBC) Scholarship, (SC, ST) Scholarships and Scholarship from UGC and AICTE.

The financial assistances received from state government for BC & MBC are given below,

S. No	Academic Year	% of Students
1	2014-2015	44.11%
2	2013-2014	29.00%
3	2012-2013	44.00%
4	2011-2012	32.00%

The financial assistances received from State government for SC & ST are given below,

S. No	Academic Year	% of Students
1	2014-2015	89.05%
2	2013-2014	85.00%
3	2012-2013	73.00%
4	2011-2012	66.00%

5.1.4 What are the specific support services / facilities available for

Students from SC / ST, OBC and economically weaker sections

- All SC / ST, OBC and economically weaker sections students receive financial assistance from the Government as per the regulations.

- The college provides proper guidance and assistance to the students like getting application and submitting the filled in application within the stipulated time and also follow up till the final approval of the scholarships.

Students with physically challenged

- The institution ensures that infrastructure facilities meet the requirement of the physically challenged students.
- Ramp facility is made available to such type of students. The classes were arranged in the ground floors. Special toilet facilities are created for their convenience.
- Fee concessions are also made available to this category.

Overseas students

- There are no overseas students in our institution. These students will be admitted as per the guidelines of the University and Government.

Students to participate in various competitions / National and International

- The institution encourages participation in various competitions at state level and national level. Not only participation in the challenging competitions but winning success has become an integral part of the college. Along with academics, students are encouraged to participate and involve in NSS/NCC, sports activities at state level and national level.
- Faculty team encourages the students to get participated in various competitions belonging to academic, extra curricular and co curricular activities. Necessary guidance regarding active participation is provided to the students. They are encouraged with on duty (OD) and honored by concerned heads of the department. The expenditure to take part in activities is sponsored by institution.

Medical assistance to students: health centre, health insurance etc.

- A health care centre is available in the campus to meet all the emergency medical facilities.
- To meet the medical emergencies of the residents in the campus and day scholars, ambulance belonging to the college round the clock.
- Our students and faculty are covered under the group medical /accident insurance policy.

Organizing coaching classes for competitive exams;

- The students are motivated and helped by faculty members to appear for the AMCAT, GATE, TOFEL, GRE, CAT exams and to identify the programmes and the institutions where they can apply for higher education.
- The various forms of coaching like communication skills, study materials, multimedia based learning, and solved question bank with keys are provided by the faculty.
- Books and Question banks for GRE, TOFEL, GATE, GRE and CAT are also maintained in the library.

Skill development (Spoken English, Computer literacy, etc.,)

- To boost the communication skills of students the language laboratory provides training to the students using various advanced Software and equipments.
- The college stresses the need for better communication skills from the first year onwards. The language lab is incorporated in the curriculum itself. Soft skill development classes are regularly arranged for the students to enhance their communication skill, logical, numerical ability and problem solving skills.

Computer Lab:

- The first year curriculum has a course on computer usage both theory and practical. The students are taught a few programming languages and the fundamentals of computer.

Support for “Slow learners”

- Slow learners are identified from the analysis of assessment process mainly internal assessment test. Regular counseling is given to them to find out their difficulties and to help them stay motivated. Also they are provided with supplementary materials.
- If necessary the students should stay back or attend special sessions during holidays. In addition to the special classes conducted for those students, slow learners are also asked to take up the retests for the respective subjects. They are also given special attention by solving the important problems in the form of additional worksheets and assignments.

Exposures of students to other institution of higher learning / corporate / business House etc.

- Guest lectures are arranged from reputed industries and institutions for enabling the students to be aware of current trends in the industry.
- They are also encouraged to take up the training in the industry to get the hands on experience about current technological developments.
- Industrial visits are also arranged regularly which helps the students to keep in touch with the latest developments and technologies in the industries.
- MOU has been signed with the MINDTREE Technologies, Bangalore in respect of circuit branches, so that the training session will be conducted by that corporate so as to bridge the competency gap between the academic knowledge and industry expectations.
- Each department has signed MOUs with industries to update the latest technology.

Publication of student magazines:

- Jayam Talentz, an e-magazine is published every quarter with active participation by students and faculty and is available in the college website www.jcet.ac.in. This magazine highlights the various student related activities which are conducted in the departments.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

- The institution has a separate entrepreneur development cell which periodically arranges various training programs for the students to enhance their entrepreneurial skills.
- Guest lectures by experts are also periodically conducted.
- The various modules embedded in the training program focus on the mixture of leadership skills, marketing skills, business development skills, managerial skills, team building skills etc.,
- Entrepreneurial cell is available to motivate students to be an entrepreneur. Many entrepreneurs are invited for seminar to boost students for their business desire.

S. No	Name of the event	Resource person
1	Entrepreneurship awareness camp	DIC, Dharmapuri.
2	Entrepreneurship Orientation Programme	M. S. Subramanian
3	Entrepreneurship workshop	Fazil, CSI Computer Education. Mr. Thanga Palani, ARASAN soap.
4	Team Building Session for Marketing Skill.	Mr. Saravanan, Telnet Communication.
5	Leadership Skill Development Workshop	Dr. K. V. Kannan, AP/Govt. Arts College. Dharmapuri..

5.1.6 Enumerate the policies and strategies of the institution which promote Participation of students in extracurricular and co curricular activities such as Sports, games, Quiz competitions, debate and discussions, cultural activities etc.

- Additional academic support, flexibility in examinations;
- Special dietary requirements, sports uniform and material
- Any other.

Promotion of participation of students

The institution is committed to encouraging students participate in various extracurricular activities such as NSS, NCC, YRC and co curricular activities such as sports, games, quiz competitions, cultural activities etc.

a. Additional academic support, flexibility in examinations:

- Academic support is provided for all those students participating in extracurricular activities in the form of compensation classes. Due consideration is given with respect to attendance for the students participating in important literary, cultural or sports events conducted outside the college.
- Since the college has to follow the examination time tables of the affiliating university, there is no scope for deviation from examination schedule.

b. Special dietary requirement, sports uniform and materials:

- College provides sports uniform to all the students participating in the zonal and inter-zonal level events and for such students.
- Travelling allowance is provided to the students participating in various events.
- Fee concessions are provided based on the sports quota policy.
- Special diet is provided for students in their coaching camps.

c. Any other:

- Students are also motivated to actively participate in various cultural activities, oratorical competitions and essay competitions. OD is sanctioned and the internal examinations conducted on these days are scheduled on alternate days.

5.1.7 Enumerating on the support and guidance provided to the students in preparing For the competitive exams, give details on the number of students appeared and Qualified in various competitive exams like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State Services, Defense, Civil Services Etc.,

- Our institution encourages the students to opt for GATE / CAT exams by regularly motivating them.
- In-depth coverage of syllabus catering to practical oriented sessions help students to excel in GATE exams
- AMCAT exams are conducted which helps students to assess themselves of their proficient in critical thinking
- Online exams based on the format of GATE exams are conducted once in a year for all students.

- The institution encourages the students to appear for various competitive examinations like UGC NET, SLET, TOFEL central / state services and civil services exams.

Exams	Appeared	Qualified
GATE	15	02
State services TNPSC	75	20
Central services Banks	30	06
TANCET	45	30
CONSORTIUM	45	28

5.1.8 What Type of Counseling services are made available to the students (academic, Personal, career, psycho-social etc).

Academic Counseling Service:

- Academic counseling is made in each subject if the student has failed. The reason for poor performance of the student is analysed by the faculty handling subject and is recorded in the student assessment record. Grievance particulars for the failures is noted and follow up action is taken
- Retests are conducted and assignments are provided to improve their performance. These are the various efforts made to encourage the students to provide good results in the academics.

Personal Counseling Service:

- The faculty team also counsel the students related to their personal problems. So that the student can perform better in the academics.

Career Counseling Service:

- The placement officer plays a vital role in providing counseling regarding the student's career. He guides the students in their career prospects and the required skill to seek their career.
- External experts from reputed industries are arranged periodically to motivate in the career aspects.

Psycho social Counseling Service:

- Psychiatrist visits the institution regularly to take care of the students

5.1.9 Does the institution have a structured mechanism for career guidance and Placement of its students? If 'yes', detail on the services provided to help Students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different Employers (list the employers and programmes).

- Yes, the institution has a very well organized training and Placement Cell to support the students for their career development. The placement head invites various reputed companies in the campus to help our students.
- The off campus and on campus information is provided to the students through the concerned department placement coordinators.
- They are provided with the special training sessions by the training team of our institution before they attend placements.

S. No	Name of the Employer	Name of the Programmes	Number of Candidates Qualified
1	Tata Consultancy Services	MCA, MECH, CIVIL, CSE, EEE, ECE	19
2	HCL Technologies	EEE, MCA, M.Tech -IT	3
3	J Technologies	ECE, EEE, CSE, MECH	16
4	Andromeda BPO	CSE, MECH, ECE, EEE, IT	40
5	Simtek Technologies	MECH	5
6	Kochar Infotech	MECH, CIVIL, CSE, ECE, EEE, MCA, IT	72
7	Exetar Premeda Services	CSE, EEE, ECE, IT, MCA, MECH	39
8	Newzen	IT, EEE, ECE, CSE, MECH	16
9	Aqua Pure Plus	EEE, ECE, MECH	34
10	Allsec Technologies	EEE, ECE	24
11	TNQ Books & Journals	CSE	3
12	Quattro Global	CSE	1
13	Talk Media Private Limited	MBA , MCA , CSE	25
14	Toshniwal	MECH, EEE	15
15	Reach Accountant	ECE, CSE	3
16	Bytesflow Technology	ECE, CSE	5
17	Andromeda BPO	CSE, MECH, EEE, AERO	20

18	Cms, Chennai	CSE, ECE, MECH, MCA	37
19	Infosys	IT, CSE	5
20	Cognizant Tech Solutions	CSE, ECE	7
21	SAGE IT	MCA, IT	10
22	KBR Infra Tech	CIVIL	10
23	4 W Tech	ECE	8
24	Sundaram Auto Company	MECH, CSE, ECE	11
25	Saras Micron Tools	MECH	10
26	Idhayam Groups	MBA	6
27	VST Tillers & Tractors, Hosur	EEE	10

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

- Yes, grievance redressal cell actively interacts with the students to help them sort out their grievances. It attends to both registered and unregistered grievances of the students.
- The students drop their grievances in the suggestion box. The students are free to lodge their complaints before the principal, their HOD or directly to the committee head. Suitable action is taken after issues are discussed in the grievance cell.
- These suggestions/complaints are handled at appropriate level for the immediate execution/decision.
- Some of the grievances reported and redressed in the institution are;

S. No	Grievances Reported	Addressed
1	The students requested for extension of library hours for students	Functioning of library time extended till 7 pm
2	Students requested Wi-Fi Connectivity	Facility provided
3	Students sought gym facility	Gym facility arranged
4	Expected industrial institution collaborations to equip them to be fit upto the industry expectations.	MOU's are signed related to Mechanical, Civil, Computer Science Engineering and Master of Computer Applications.
5	Students requested additional canteen in Dr. Radhakrishnan Block	Facilities provided
6	Change of weekly test to unit test	Arranged
7	Hostel food menu change	Changed

GRIEVANCE COMMITTEE

S. No	Date of Appointment	Name	Designation	Contact	Email-id	Branch
1	29/10/2013	Dr. K. Sundaramurthy	Principal	9965593339	principal@jcet.ac.in	MECH
2	29/10/2013	Prof. A. Kannammal	Asso. Professor	9750922819	hodcse@jcet.ac.in	CSE
3	29/10/2013	Prof. R. Balasankar	Asso. Professor	9965594449	hodeee@jcet.ac.in	EEE
4	29/10/2013	Prof. N. Sridhar	Professor	8012311113	hodcivil@jcet.ac.in	CIVIL
5	29/10/2013	Prof. Saa. Ezhilan	Professor	9842999944	hodsh@jcet.ac.in	English
6	29/10/2013	Prof. V. Sivakumar	Asso. Professor	9750922807	hodmba@jcet.ac.in	MBA
7	29/10/2013	Prof. Y.N. Gayathri	Asso. Professor	9942988825	hodmca@jcet.ac.in	MCA
8	29/10/2013	Prof. M.R. Subbarayan	Professor	8012333338	hodaero@jcet.ac.in	AERO
9	29/10/2013	Prof. P. Selvi	Asso. Professor	9750922806	hodit@jcet.ac.in	IT
10	29/10/2013	Dr. P. Bhuvanlatha	Office Manager	8012466622	om@jcet.ac.in	MBA
11	29/10/2013	Prof. K. Ramesh	Professor	9965592229	hodece@jcet.ac.in	ECE

5.1.11. What are the institution provisions for resolving issues pertaining to sexual Harassment?

- To protect and safeguard the rights of girl students and to bring about growth and development, and to empower them, Women Empowerment Cell was established in our college. The aim of the cell is to create awareness among girl students about their duties and rights and to provide a conducive environment for women staff and students. The cell, headed by a senior lady faculty, looks into any matter related to harassment of the women faculty and students. The institution has zero tolerance policy against sexual harassment if any.

Women Empowerment Cell - Members List

S. No	Name of the Person	Department	Designation	Position
1	Prof. R.Yalini	EEE	Associate Professor	Convener
2	Prof. N.Rupavathi	ECE	Associate Professor	Member
3	Prof. A.Kannamal	CSE	Associate Professor	Member
4	Prof. P.Selvi	IT	Associate Professor	Member
5	Prof. S.Jayapraba	MCA	Assistant Professor	Member
6	Prof. T.Shanmugapriya	MBA	Assistant Professor	Member
7	Prof. K.R.Sujatha	S&H	Assistant Professor	Member
8	Mr. J.Ramesh	Admin	AO	Member

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

- Yes, there is an anti ragging committee. The committee is conducting regular meetings to create awareness about ills of ragging in the minds of students also instructs about the Supreme Court's order on ragging. The disciplinary committee also takes care in this regard. There is no case of ragging reported so far. JCET campus hence is a "RAGGING FREE CAMPUS".

Institutional anti ragging committee members are as follows:

S. No	Name	Position
1	Prof R.Balasankar	Convener
2	Prof Saa.Ezhilan	Co-convener
3	Dr.K.Sundaramurthy	Member
4	Prof K.Ramesh	Member
5	Prof K. Jayanthi	Member
6	Prof P.Murugan NSS officer	Member

5.1.13 Enumerate the welfare schemes made available to the students by the Institutions:

- The college provides a number of scholarships and free ships to the students on the basis of their performance in academics, sports or extra-curricular activities. A special fee concession is granted to the students belonging to less privileged strata of the society. Welfare of each and every student is ensured by the institution. A large number of scholarships are also offered to the students belonging to minorities, SC/ ST and other Backward classes (OBC) sponsored by state government.

- Fee concessions were made available for the meritorious students.
- 25% Fee waiver is made available for the students who secure first and second position in the university examinations
- Fee concession is granted to students who excel in sports.
- Our students are covered under group medical/accident insurance.

5.1.14 Does the institution have a registered Alumni association? If 'yes' what are its activities and major contributions for institutional, academic and infrastructure development?

Yes, the institution has an Alumni association. The alumni meet is conducted on regular basis. The major activities and contributions for institutional, academic and infrastructure development are as follows:

- Assists the students in all aspects
- Giving references for placement and training,
- For sharing their experiences,
- To guide about the current scenario in the industries,
- To give necessary input for institutional infrastructural development.

5.2 STUDENTS PROGRESSION

5.2.1. Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Dept.	Student progression	2014-2015 in %	2013-2014 in %	2012-2013 in %	2011-2012 in %
AERO	UG to PG	02%	11%	2%	-
	PG to M.Phil.	-	-	-	-
	PG to Ph.D.	-	-	-	-
	Employed				
	➤ Campus selection	-	-	-	-
	➤ Other than campus recruitment	08%	-	02%	-

Dept.	Student progression	2014-2015 in %	2013-2014 in %	2012-2013 in %	2011-2012 in %
CIVIL	UG to PG	12%	6%	5%	7%
	PG to M.Phil.	-	-	-	-
	PG to Ph.D.	-	-	-	-
	Employed				
	➤ Campus selection	7%	10%	8%	8%
	➤ Other than campus recruitment	48%	46%	33%	25%

Dept.	Student progression	2014-2015 in %	2013-2014 in %	2012-2013 in %	2011-2012 in %
CSE	UG to PG	5%	4%	2%	1%
	PG to M.Phil.	-	-	-	-
	PG to Ph.D.	-	1	-	-
	Employed				
	➤ Campus selection	13%	19%	15%	26%
	➤ Other than campus recruitment	35%	24%	13%	12%

Dept.	Student progression	2014-2015 in %	2013-2014 in %	2012-2013 in %	2011-2012 in %
ECE	UG to PG	13%	11%	10%	12%
	PG to M.Phil.	-	-	-	-
	PG to Ph.D.	-	-	-	-
	Employed				
	➤ Campus selection	60%	45%	40%	60%
	➤ Other than campus recruitment	40%	45%	40%	30%

Dept.	Student progression	2014-2015 in %	2013-2014 in %	2012-2013 in %	2011-2012 in %
EEE	UG to PG	5%	4%	12%	10%
	PG to M.Phil.	-	-	-	-
	PG to Ph.D.	-	-	-	-
	Employed				
	➤ Campus selection	15%	15%	10%	50%
➤ Other than campus recruitment	40%	31%	32%	-	

Dept.	Student progression	2014-2015 in %	2013-2014 in %	2012-2013 in %	2011-2012 in %
MECH	UG to PG	11%	06%	08%	3%
	PG to M.Phil.	-	-	-	1%
	PG to Ph.D.	-	-	-	-
	Employed				
	➤ Campus selection	29%	15%	25%	85%
➤ Other than campus recruitment	30%	45%	40%	55%	

Dept.	Student progression	2014-2015 in %	2013-2014 in %	2012-2013 in %	2011-2012 in %
IT	UG to PG	-	1%	4%	3%
	PG to M.Phil.	-	1%	1%	2%
	PG to Ph.D.	-	-	-	-
	Employed				
	➤ Campus selection	2%	2%	3%	5%
➤ Other than campus recruitment	8%	15%	15%	22%	

Dept.	Student progression	2014-2015 in %	2013-2014 in %	2012-2013 in %	2011-2012 in %
MBA	UG to PG	-	-	-	-
	PG to M.Phil.	-	-	-	-
	PG to Ph.D.	-	-	-	-
	Employed				
	➤ Campus selection	28%	7%	45%	41%
➤ Other than campus recruitment	-	16%	18%	14%	

Dept.	Student progression	2014-2015 in %	2013-2014 in %	2012-2013 in %	2011-2012 in %
MCA	UG to PG	-	-	-	-
	PG to M.Phil.	-	-	-	-
	PG to Ph.D.	-	-	-	-
	Employed				
	➤ Campus selection	10%	25%	15%	10%
➤ Other than campus recruitment	5%	30%	10%	15%	

5.2.2. Provide details of the programme wise pass percentage and completion rate of the last Four years (cohort wise / batch wise as stipulated by the university)? Furnish programme Wise details in comparison with that of the previous performance of the same institution and that of the colleges of the affiliating university within the city/district.

S. No	Year	Branch	Number of Students Appeared	Passed	I Class with Distinction	I Class	II Class	Pass %
1	2015	MECH	190	157	3	154	-	83
		ECE	147	98	2	96	-	67
		EEE	69	52	2	44	6	75.4
		CIVIL	142	70	10	60	-	49.2
		CSE	70	59	-	50	4	84.3
		IT	21	20	-	20	-	95
		AERO	11	3	1	2	-	27
		MBA	57	55	1	37	17	96
		MCA	62	53	7	45	-	85.4
2	2014	MECH	145	116		116	-	80
		ECE	123	99	1	95	3	80
		EEE	72	51	1	45	5	70.8
		CIVIL	134	85	5	80	-	63.4
		CSE	122	99	-	82	5	81.1
		IT	58	44	4	40	-	76
		AERO	54	25	3	22		45
		MBA	63	61	1	40	20	97
		MCA	45	44	4	40	-	98
3	2013	MECH	129	119	1	118	-	92
		ECE	116	96	6	88	2	83
		EEE	62	58	2	52	4	95
		CIVIL	128	103	9	94	-	80.4
		CSE	83	75	-	70	5	90.3
		IT	26	23	-	23	-	88
		AERO	8	4	-	3	1	25
		MBA	59	57	-	35	22	97
		MCA	19	19	4	15	-	100
4	2012	MECH	122	112	2	110	-	92
		ECE	115	97	18	79	-	84
		EEE	65	53	2	49	2	82
		CIVIL	69	49	7	42	-	71
		CSE	50	49	-	45	4	98
		IT	26	18	2	16	-	69
		AERO	-	-	-	-	-	-
		MBA	56	56	4	45	7	100
		MCA	13	13	6	7	-	100

Results of NOV/DEC 2014

S. No	Name of the college	Appeared	Passed	%
1	Jayam College of Engineering & Technology	2053	698	34%
2	Government College of Engineering, Dharmapuri.	491	294	59.87%
3	Jayalakshmi Institute of Technology	2034	1168	57.42%
4	Varuvan Vadivelen Institute of Technology	1125	379	33.69%
5	Srinivasa College of Engineering	921	250	27.14%
6	Sapthagiri College of Engineering	516	32	06.20%

5.2.3 How does the institution facilitates student progression to higher level of education and or towards employment?

- The institution motivates the students for higher study by providing special support and extra care for their preparation for GATE, TANCET, CAT, GRE or any other competitive examinations.
- The institution facilitates student progression to higher level of education and towards employment by creating awareness regarding their career through sessions by senior faculty. Industrial visits are arranged periodically to update the current scenario in the industries. Group discussions, aptitude tests, technical tests, mock interviews were conducted by the training team to bridge the gap between students and industry expectations
- Special aptitude, soft skill and technical skill classes are arranged by the institution for the students to groom them in industry standard. Furthermore, by conducting seminars and guest lectures by academicians from prestigious universities and also from highly experienced personnel from industry the college instills competitive spirit among the students. The training programmes, motivational talks, discussions and lectures instill confidence in students to grab good job opportunities.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

- Special support and guidance is provided to students to reduce the risk of dropout. Students who are at the risk of failure and drop out will be identified by the faculty advisors and special attention and counseling is given to them.
- Coaching and retest are conducted for weaker students.
- Parents of those students are invited to the college to have a positive discussion about their ward with the HOD, senior professors, concerned faculty advisor and the principal. Such moral support and advices offered to the students has put him/her back on the track of studies.
- Continuous counseling, attending students emotional cum health needs and parental care ensure that the students enrolled complete the course successfully.

5.3 Student Participation and Activities:

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

- Students are encouraged to participate and excel in sports in order to provide relaxation, increase their energy, nurture competitive spirit, enhance team spirit and achieve leadership qualities. They are also encouraged to for actively participate in various sports, games, cultural and other extracurricular activities since the exposure to these activities is vital for the all round development of Students.
- Institution organizes various competitions like cultural and other extracurricular activities like symposiums & conferences regularly in the campus.
 - **List of game facility available to the students:**

S.No	Game
1	Badminton
2	Hand Ball
3	Ball Badminton
4	Tennis
5	Table Tennis
6	Cricket
7	Volley Ball
8	Kabaddi
9	Basket Ball
10	Atheletics
11	Chess
12	Hockey

Participation and Achievements report of the institution:

Achievements

- Students of our institution have been winners and runners in various athletic events. Many of our students have won medals and cash prizes at Anna University.

SPORTS ACHIEVEMENTS 2014 - 2015

ZONAL TOURNAMENTS

S. No	Game	Venue	Date	Place	No. of Medals	
1	Athletics (Men)	Adiyamaan College of Engg	28.10.2014 to 29.10.2014	Second	First	7
					Second	9
					Third	5
2	Athletics (Women)	Adiyamaan College of Engg	28.10.2014 to 29.10.2014	Third	First	1
					Second	10
					Third	5

INTER ZONAL TOURNAMENTS

S. No	Game	Venue	Date	Place	No. of Medals
1	Best Physique	Kongu Nadu College of Engg & Tech	02.03.2015 to 03.03.2015	Overall Second Place	5
2	Boxing (Men)	KLN College of Engg	09.03.2015 to 11.03.2015	Third	2

TAMILNADU INTER ENGINEERING SPORTS (TIES 2015)

S. No	Game	Venue	Date	Place	No. of Medals
1	Best Physique	Sai Ram Engineering College	09.02.2015	First	1
				Third	1

UNIVERSITY PLAYERS

S.No	Game	No. of University Players
1	Best physique	1

SPORTS ACHIEVEMENTS 2013 - 2014

ZONAL TOURNAMENTS

S.No	Game	Venue	Date	Place	No. of Medals	
1	Athletics (Men)	Adiyamaan College of Engg	02.10.2013 to 05.10.2013	Second	First	8
					Second	8
					Third	3
2	Athletics (Women)	Adiyamaan College of Engg	02.10. 2013 to 05.10. 2013	Third	First	3
					Second	10
					Third	3

INTER ZONAL TOURNAMENTS

S. No	Game	Venue	Date	Place	No. of Medals
1	Athletics (Men)	Kongu Nadu College of Engg & Tech	24.03.2014 to 26.03.2014	First	1
2	Best Physique	Abdul Kahim Engg College	18.10.2013	Second	1
3	Boxing (Men)	Valliyammai Engg college	21.11.2013 to 23.11.2013	Second	1
4	Boxing (Men)	Kalignar karunanithi Institute of Technology	10.01.2014 to 12.01.2014	Third	1

TAMILNADU INTER ENGINEERING SPORTS (TIES 2014)

S. No	Game	Venue	Date	Place	No. of Medals	
1	Athletics (Men)	Kongu Nadu College of Engg & Tech	26.02.2014	First	1	
				Third	1	
2	Weight Lifting (Men)	Kongu Nadu College of Engg & Tech	25.02.2014	Over all Fourth	First	1
					Second	1
					Third	3

UNIVERSITY PLAYERS

S.No	Game	No. of University Players
1	Best physique	1

SPORTS ACHIEVEMENTS 2012 - 2013

ZONAL TOURNAMENTS

S.No	Game	Venue	Date	Place	No. of Medals	
1	Athletics (Men)	Adiyamaan College of Engg	30-11-2012 to 1-12-2012	Over all Second	First	4
					Second	6
					Third	8
2	Athletics (Women)	Adiyamaan College of Engg	30-11-2012 to 1-12-2012	Over all Second	First	6
					Second	4
					Third	9

INTER ZONAL TOURNAMENTS

S. No	Game	Venue	Date	Place	No. of Medals
1	Taekwondo	Kumaraguru college of engineering	28.02.2013 to 30.02.2013	Third	2
2	Boxing(Men)	Valliyammai Engineering College	18.01.2014 to 20.01.2014	Third	2

TAMILNADU INTER ENGINEERING SPORTS (TIES 2013)

S. No	Game	Venue	Date	Place	No. of Medals	
1	Best Physique	Adiyamaan College of Engg	24.02.2013	First	1	
2	Athletics (Men)	Adiyamaan College of Engg	10.02.2013 to 12.02.2013	First & Third	First	1
					Third	3
3	Weight Lifting (Men)	Adiyamaan College of Engg	03.02.13 to 05.02.2013	Over All Fourth	First	Nil
					Second	2
					Third	3

UNIVERSITY PLAYERS

S.No	Game	No. of University Players
1	Best physique	1
2	Athletics	1

SPORTS ACHIEVEMENTS 2011 - 2012

Zonal Tournaments

S.No	Game	Venue	Date	Place	No. of Medals	
1	Athletics (Men)	Jayam College of Engg & Tech	20-10-2011 to 22-10-2011	Over all Third	First	4
					Second	1
					Third	3
2	Athletics (Women)	Jayam College of Engg & Tech	20-10-2011 to 22-10-2011	Over all Second	First	6
					Second	8
					Third	2

INTER ZONAL TOURNAMENTS

S.No	Game	Venue	Date	Place	No. of Medals
1	Best Physique	Jayam College of Engg & Tech	29.01.2012	Over all First	5
2	Weight Lifting(Men)	Jayam College of Engg & Tech	30.01.2012	Third	7

TAMILNADU INTER ENGINEERING SPORTS (TIES2012)

S. No	Game	Venue	Date	Place	No. of Medals
1	Athletics (Men)	JJ college of Engineering	27.02.2012 to 29.02.2012	Third	5
2	Weight Lifting(Men)	JJ college of Engineering	27.02.2012 to 29.02.2012	Third	2
3	Best Physique	JJ college of Engineering	25.02.2012 to 26.02.2012	Third	2

UNIVERSITY PLAYERS

S. No	Game	No. of University Players
1	Best Physique	1

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and Cultural activities at different levels: University / State / Zonal / National / International, etc for the previous four years:

CO CURRICULAR ACTIVITIES - Paper Presentation, Poster Design, Quiz:

Department	2011-12		2012-13		2013-14		2014-15	
	Participated	won	Participated	Won	Participated	Won	Participated	Won
Mechanical	41	33	30	15	34	22	44	21
Civil	32	16	33	23	14	11	27	12
ECE	31	17	22	20	11	10	15	11
EEE	15	13	12	10	14	8	17	17
CSE	24	12	22	12	14	7	16	6
IT	6	5	16	14	5	2	8	5
AERO	5	3	4	4	6	3	7	4
MBA	11	10	7	5	5	4	7	3
MCA	8	7	4	3	8	5	9	7

EXTRA CURRICULAR ACTIVITIES:

Department	No. of students participated during the academic Year			
	2013-2014	2012-2013	2011-2012	2010-2011
Mechanical	68	75	96	73
Civil	34	74	66	95
ECE	23	43	63	56
EEE	37	33	38	44
CSE	28	44	48	60
IT	9	32	12	22
AERO	12	11	7	32
MBA	9	13	21	22
MCA	16	8	16	11

CULTURAL ACTIVITIES:

Department	No. of students participated during the academic Year			
	2013-2014	2012-2013	2011-2012	2010-2011
Mechanical	8	7	9	3
Civil	4	4	6	5
ECE	3	3	6	6
EEE	7	3	8	4
CSE	8	4	8	6
IT	4	3	2	2
AERO	2	1	7	3
MBA	4	1	1	2
MCA	6	8	6	1

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of institutional provisions?

- Feedback from the stakeholders is very much important for improving the performance and quality of the institutional provisions. The institution has a clearly set and defined mechanism of obtaining the feedback from the students and stake holders. These feedbacks help in assessing attainment of program outcomes, program education objectives and other gaps/requirements.
- Exit feedback from graduating students
- Alumni feedback
- Employers feedback
- Parents feedback
- It is used for improvement of the class delivery and grooming up of students as per industry requirements.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/materials brought out by the students during the previous four academic sessions.

- “Jayam Talentz” E-magazine plays a major role in initiating the creativity among our student coordinators. To find college E-Magazine please visit. www.jcet.ac.in
- The poster, brochure and the magazine is fully prepared and edited by the students.
- Students were encouraged to create catalogues, Broachers during various events conducted in our institution.

5.3.5 Does the college have a student council or any similar body? Give details on its selection, constitution, activities and funding.

- There is no students association for the college as a whole. However, each department has an organizing secretary, students in charges for various committees which organizes student level technical symposium. The activities are funded partly by the contributions made in the form of membership registration fees from the students and partly by management.
- Student placement coordinators play a vital role in disseminating information regarding placements and training programmes.
- Over and above, all the departments have departmental societies with student members to conduct co-curricular, extracurricular activities at department levels

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

The student representatives in the various academic and administrative bodies are as follows:

- Class representatives
- ISTE student chapter
- Departmental societies / Associations
- NSS & NCC
- Sports
- YRC

5.3.7 How does the institution network and collaborate with the alumni and former faculty of the institution. Any other relevant information regarding student support and progression which the college would like to include.

- The members of college administration and the senior faculty of all the departments participate in the annual alumni meetings on invitation and seek their advice and support for the development of the institution.
- An alumni portal is created in the college website for better interaction between the college and alumni.
- Collaboration with former faculty is made by inviting them to departmental functions as chief guests, inviting them to give guest lectures, seminars and inviting them for conferences conducted by the departments.

CRITERION VI

GOVERNANCE, LEADERSHIP AND MANAGEMENT

- 6.1 Institutional Vision and Leadership**
- 6.2 Strategy Development and Deployment**
- 6.3 Faculty Empowerment strategies**
- 6.4 Financial Management and Resource Mobilization**
- 6.5 Internal Quality Assurance System (IQAS)**

6.1 Institutional Vision and Leadership

6.1.1. State the vision and mission of the Institution and enumerate on how the mission statement defines the Institution's distinctive characteristics in terms of addressing the needs of the society, the student it seeks to serve, and value Institution's traditions orientations, vision for the future, etc.?

Vision:

"Better Education Better Tomorrow"

Mission:

To evolve in to a centre of academic and research excellence by providing quality education through modern and best infrastructure facilities and to serve the rural people, the nation and the world through multi skills and energized to become leaders, innovators, entrepreneurs in their chosen field.

Quality policy:

Jayam College of Engineering and Technology endeavors to impart quality education establishing a system of quality assurance enabling to continuously improve the Teaching - Learning process to enhance student's skills and talents for their exemplary contribution to the society, the nation and world.

Short term goals:-

- Achieving 70% placement for students.
- Achieving academic excellence by 80 % pass in the university examinations.
- Encouraging students' active participation in co-curricular, extracurricular and sports activities.
- Organizing activities to enable students to excel in communication, interpersonal and entrepreneur skills.
- Providing environment and opportunities for students in multi-skill development through add-on programs relevant for industries

Long term goals:

- To develop the college into an "Autonomous body & process to Deemed status".
- To promote the college as an acknowledged research and development centre by forging alliances with research organizations, government entities, industries and alumni.

Distinctive Characteristics of the College:

- Good infrastructural facilities and learning resources both for theory and practical experiences.
- Time disciplines, hard work and commitment for which rewards faculty, staff and students are duly recognized.
- Motivating working conditions and motivational incentives.
- Sensitizing the surrounding public on positive thinking, health and integrity issues.
- Organizing conference, symposium, seminars, workshops and FDP's.
- Encouraging the competitions between the departments for the enhancement of knowledge.
- To train the students to be competent and face the challenges in the industry and society.
- To encouraging the students to do projects in multi disciplinary domain.
- To providing graduates with a solid foundation in the principles of engineering and technology and to improve their analytical and creative problem-solving skills to enable them to work successfully on multidisciplinary technical areas
- To nurturing proficiency for individual excellence through exposure to field experience, case study, and skill-based learning.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

Jayam College of Engineering and Technology is a self financing, non-minority college established in the year 1998 by Jayam Health and Charitable trust. This college is one among top engineering colleges located very near to the Dharmapuri city in Tamilnadu. The college is approved by All India Council for Technical Education (AICTE) and is affiliated to Anna University, Chennai. The College is also ISO 9001: 2008 Certified and 5 UG Programmes are accredited by NBA.

Authorities and responsibilities of Chairman

1. Issues direction and guidelines in all aspects
2. Over all control of finance

3. Development of college and providing policy guidelines for growth
4. Responsible for conducting meetings of the Management Committee, Governing Council and Planning and Monitoring Committee.
5. Appointments of faculty, their promotion, pay fixation and annual increments.

Authorities and responsibilities of Director

1. Overall performance of college
2. Member of Managing Committee, Governing Council and Planning and Monitoring Committee.
3. Chairing purchase committee meeting
4. Approval of all purchases based on the recommendations of the purchase committee on the proposals made by the departments
5. Providing guidance in administration wherever necessary.

Authorities and responsibilities of Principal

1. Overall day to day administration of the college
2. To ensure better academic and research attainment in the campus.
3. Responsible for discipline in the college campus and curriculum standards
4. Arranging for meetings of Governing Council and Planning and Monitoring Committee.
5. Implementing all the resolutions of the meetings of the Governing Council and Planning and Monitoring Committee.
6. Overseeing the implementation of decisions of the HOD meetings
7. Submission of reports and returns to various agencies like Government, University, AICTE and other statutory bodies.
8. Conducting Internal / University examinations as per Institutional / University guidelines
9. Ensure attainment of academic results
10. According financial sanction within his limits
11. Organizing purchase committee meetings
12. Sanction of CL and special leaves like ML for the faculties
13. Overseeing the duties of HODs
14. Arranging for faculty selection committee meeting.

15. Approval of suggestions on development of laboratories and other facilities needed for academic activity.
16. Approval of time table
17. Reviewing the performance of students and counseling
18. Overseeing of co-curricular and extra-curricular activities
19. Chairing the HODs meeting
20. Promotion of continuing educational activities
21. Co-ordination of all R&D activities
22. Co-ordination of sending research proposal to funding agencies.
23. Undertaking R&D activities from industry and liaison with funding agencies
24. Review of funded R& D projects to ensure timely completion of the same.
25. Liaison with Anna University for getting approval for various departments as research departments
26. Playing the role of warden for hostel also.
27. Interface between management and academics.

Authorities and Responsibilities of HODs

1. Overall in-charge for all activities of the department concerned
2. Academic and research attainment of the department
3. Organising faculty meeting periodically to appraise and review the work
4. Member of purchase committee meeting of the department.
5. Representing the department in HODs' meeting
6. Development of departmental library
7. Organising professional society activities relating to the department concerned
8. Sending proposals for starting new courses at PG level within the overall policy of the college.
9. Suggesting improvement in the existing curriculum and syllabi and sending necessary proposals
10. Discipline and academic achievements of the department
11. Preparation of budget and implementation after approval

12. Taking action to procure both non-consumables and consumables for the laboratories in the department.
13. Development of laboratory and other infrastructure required for the department
14. Developing teaching materials and other aids
15. Student assessment, evaluation and counseling of weaker students
16. Promoting co-curricular and extra-curricular activities pertaining to the department
17. Undertaking of continuing education activities
18. Development of faculty through up-gradation of qualification and involvement in professional activities
19. Research and development activities in the department
20. Undertaking of industry sponsored projects
21. Providing consultancy and testing services
22. Promotion of industry college interaction
23. Sanctioning casual leave to faculty
24. Initiating disciplinary action against erring persons under his control and organizing class committee meetings.

6.1.3 What is the involvement of the leadership in ensuring?

The Policy Statements and Action plans for fulfillment of the stated mission

The Board of Trust Members, Chairman and the Director at the highest level maintain transparency in communicating its vision, mission and the intention of the organization to all its employees through clarity in authority and delegation, to achieve positive results in improving performance of the College.

Beside this, the Principal interacts with external bodies namely the University, the UGC, other Government, Non Government Sectors and Industries in implementing quality programmes. Ethical values are imparted so that the students are competent enough to meet needs of industry and society. The policy statements and action plans are designed to fulfill the requirements of the mission.

Formulation of action plans for all operations and incorporation of the same into the Institutional strategic plan

- Supporting in preparation of action plan at various levels like finance, academic performance, research, etc., and monitoring the same.
- Prior planning is made by every department well before the commencement of the academic year in great detail.
- Based on the objectives, the management advises the faculty to accomplish the strategic plans through various activities.
- Success is ensured through strict adherence to the action plans. ISO committee will monitor the sequential activities of the departments and college accordingly external / internal audit will be carried out.

Interaction with stakeholders

The college makes conscious efforts to build a healthy relationship with its stakeholder's namely-students, parents, alumni and industry.

- The inputs and feed back about the functioning and various other aspects of the college are collected through a number of ways. The feedback received from all stakeholders are reviewed, analyzed and remedial actions are initiated.
- Interaction of the Principal with various stakeholders, the faculty and the parents helps the institution in proper implementation of policies.
- The participatory role of the management encourages and sustains the involvement of the college faculty and staff members, which is necessary for effective functioning of the institution.
- Periodical interaction with the alumni is conducted for the benefit of the institution.

Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders

- The college has adopted the strategy of periodical feedback system, parent teacher meetings, discussion with alumnus and class for sustainable interaction with the stakeholders. The plan and policy of the college are such that they meet out the requirement, industrial needs and stakeholder's requirement.

- Amenities are created by the management in order to get the research projects, consultancy projects from the stakeholders and from other funding agencies in the thrust areas in order to fulfill the societal needs.

Reinforcing the culture of excellence

- The faculty members are encouraged to pursue research activities and to participate and organize seminars/workshops/conferences to keep the faculty abreast of the recent trends in teaching, learning, evaluation and their specialized area of interest, thereby reinforcing a culture of excellence.
- Departments are advised to develop as centers of excellence.

Champion organizational change

- The institution organizes orientation programmes, career guidance, R&D activities for both faculty and students to promote the collaborative culture.
- To accomplish organizational change the processes of academic, research, co-curricular extra-curricular are reviewed continuously.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

Institution is committed to the aspects of continuous improvement and evolves suitable strategies for the betterment of quality. The Principal in coordination with the statutory bodies like planning and monitoring, grievance and redressal committee, admissions committee, research committee, infrastructure and amenities committee, library advisory committee, hostel advisory committee, and academic committee monitor and evaluate the organizational functioning of the institution.

The Governing council and IQAC will gauge the impact of the decisions and evaluates the effectiveness and devise plans and mechanisms for improvement from time to time.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

The Principal takes the academic lead to drive the activities to implement the policies with the following committees. Coordinators from various functional committees work with a team of faculty members to achieve the objectives prescribed.

- Course Co-ordinator
- Class Advisor
- ISO Co-ordinator / ISO Auditor
- Class Committee chair person
- NBA Co-ordinator
- NAAC Co-ordinator
- Exam Cell Co-ordinator
- Placement Cell Co-ordinator
- Chief Superintendent for University Examinations.
- Admission
- Anti-ragging
- Grievances and redressal

6.1.6 How does the College groom leadership at various levels?

The Principal is the academic leader of the college. Under his leadership various academic and administrative committees are constituted at institutional and departmental level for planning and effective execution of the academic activities in the college. Keeping the talents and achievements of the faculty and seniority in mind, conveners and members are allotted to various committees. In nominating student representatives, academic merit and performance in other activities such as sports and games, participation in NCC and NSS etc., are taken into consideration. All the committees meet regularly and discuss the periodical developments of their assigned duties and convey the same to the Head of the college. Faculty members are given opportunity to display their leadership skills at various levels.

6.1.7 How does the College delegate authority and provide operational autonomy to the departments / units of the College and work towards decentralized governance system?

Principal monitors the overall academic, administrative and student related matters in the college. Various committees coordinate the routine activities and work for the smooth functioning and development of the college. And also principal will

provide the operational autonomy to the department to ensure a decentralized governing system.

- Empowering heads of the departments to distribute work load to faculty, to identify add - on courses, to identify the content beyond the syllabus and to organize various faculty and student empowerment programmes with the help of members of teaching and non-teaching faculty of the department.
- Class advisors, class committees and professional associations with representatives from meritorious, average, below average level students
- Refining and redefining activities by keeping in view of the deliberation of class committee meetings and associations.
- Organization of several activities by students to enhance their capabilities under the advisoryship of the faculty.
- Allocation of budget based on the proposals received from the department.
- Conduct of Unit test, Internal Assessment test and Model Examinations by departments.
- Empowering the faculty member as in-charge of a lab so as to devise and implement the necessary plans for effective conduct of the lab.
- Decentralized governance system with well defined interrelationships.

6.1.8 Does the College promote a culture of participative management? If 'yes', indicate the levels of participative management.

'YES', Management committee comprising Chairman, Director, Advisor and principal which mainly focuses on implementation and reviewing action plan and decisions from time to time from the suggestion of the governing council.

Heads of the departments and senior faculty members actively participate in various committees like, Planning and monitoring committee, IQAC, Programme assessment committee, Department Advisory Board, etc.,

Thus, the institution encourages the participation and involvement of the faculty for smooth functioning, and development of the institution.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

'Yes', the institution has a formally stated policy. It is developed in consultation with the various stakeholders like students, employers, alumni, etc., to impart the knowledge and skills to meet the global competency.

The Quality Policy is driven by imparting quality education, providing excellent infrastructure, encouraging interaction with industries and dedicated faculty members.

It is deployed in the areas of providing learning environment, promoting the academic growth and encouraging the faculty to upgrade.

Through regular interaction and feedback from the students, parents, industry, alumni quality policy is reviewed. Apart from this it is also reviewed during governing council meeting, department advisory meeting, ISO auditing, and necessary steps are taken.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

College understands how important things are in relation to others and evolves methods for developing continuously. The Jayam Educational and Charitable Trust is committed for the aspects of development of education, augmentation of infrastructural facilities and growth of the college. It specifies targets to the college along with allocating budget.

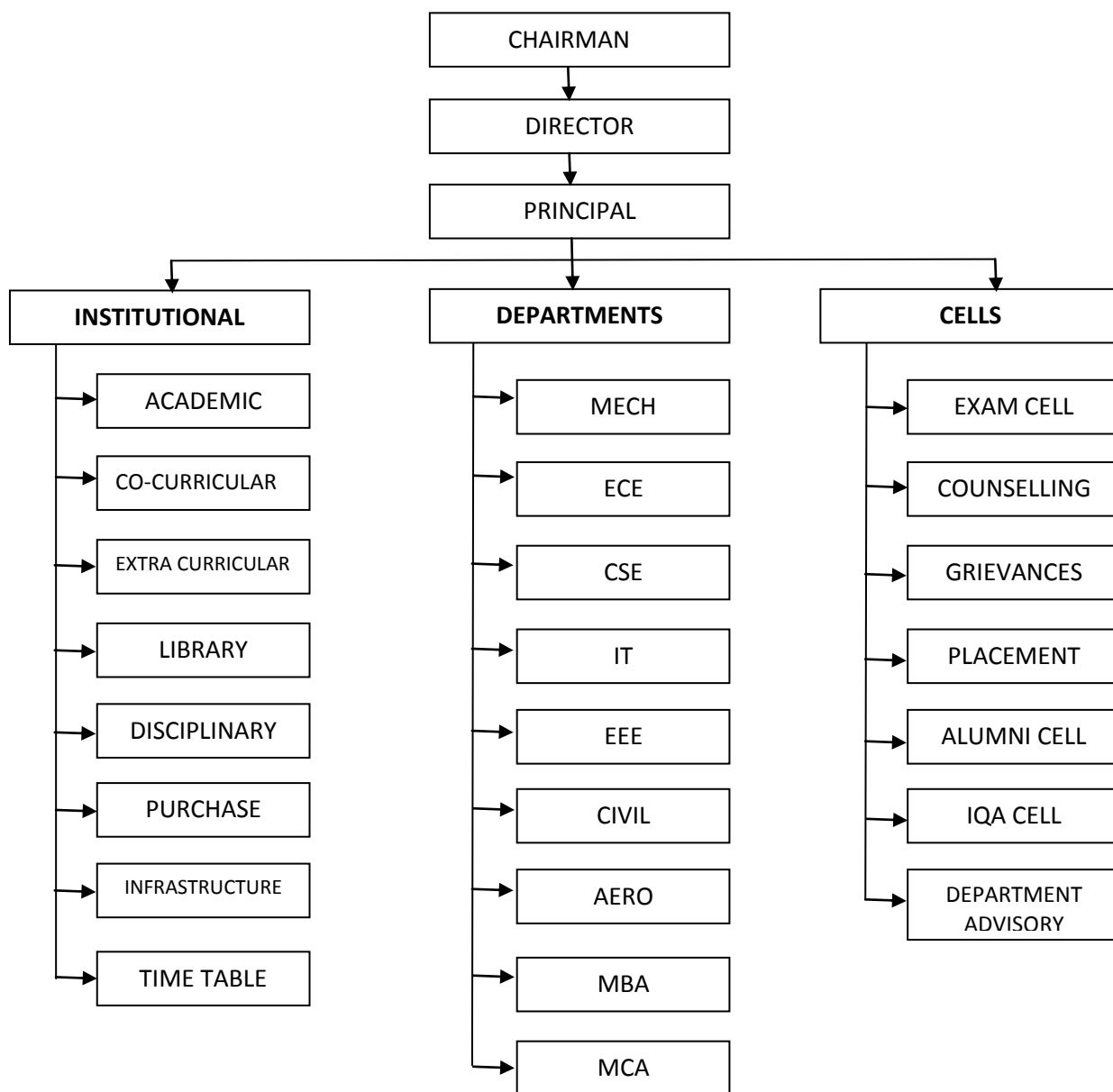
To arrive at the target to be specified, management seeks the information from all stakeholders, observers and evaluates the best practices and strategies of other colleges those are striving for excellence. In line to the views of the society, college determines the needed infrastructure for academic advancement, bringing excellence into the activities and allocates budget accordingly.

- Allocation of budget taking up in house R & D as a measure to improve research activities
- Effectively implementing ICT in all class rooms
- Development of e-learning materials
- Industry specific projects

The college has witnessed considerable development and expansion over the years, nonetheless the management continuously strives for improvement of the College, so as to progressively become autonomous and then as a deemed university in the long run.

- To improve the existing infrastructure facilities in the campus to suit the emerging areas of technical advancements.
- Industry specific curriculum

6.2.3. Describe the internal organizational structure and decision making processes.



- Chairman is the functional head of the college. He mainly looks after development of education and also growth of college.
- The Director recommends the Management and Principal on administrative and developmental activities by keeping updated with the latest trends in engineering education. He shall be the reason for the dreams of the college and strive for their realization.
- The Principal is the chief academic administrator and a bridge between the management, faculty and students.
- HOD's are responsible for the functioning of the respective department as per the laid down policies of the college. They will be consulting with and reporting to Principal in academic matters. HOD will prepare budget estimation for the department for its operation, maintenance and development. HOD will constitute various committees to help in various matters.
- Under existing global conditions with regard to jobs, concerted efforts are being made to find suitable placement opportunity for students by the placement cell.
- The Exam cell takes care of the complete transparency in the internal assessment as per the criterion adopted as directed by the University. All the students are familiarized about the transparency in internal assessment. Each course is evaluated through internal and external examinations.

6.2.4 Give a broad description of the quality improvement strategies of the College for each of the following

- Teaching and Learning
- Research and Development
- Community engagement (NCC/NSS/YRC)
- Human resource management
- Industry interaction

Teaching and Learning:

- Provision of state-of-the art learning resources in central library
- Highly ventilating and hygienic classrooms
- Development of student support material

- Conduct of Remedial / slow learners/ toppers/ coaching classes
- Add-on-courses
- Conduct of pre-placement training classes and campus connect programme
- Conduct of coaching classes
- Structured course files and lab manuals on all courses
- Continuous assessments and evaluation system
- Academic audit
- Continuous improvement of resources

Research and Development

- Formulation research committee
- Allocation of budget for in house R& D
- Incentives and rewards for publications/ research
- Financial assistance to students for fabricating working models

Community Engagement

- NCC activities
- NSS activities
- YRC activities
- Blood donation camps
- Free medical camps
- Free Scholarship for meritorious students

Human Resource Management

- Transparent policy document
- Transparent and scientific way of recruitments
- Formulation and communication of policies of the college
- Support for academic advancement
- Systematic performance appraisal system and guidance to the people concerned
- Systematic promotion policies
- Democratic way of administration with participative management.

Industry interaction

- Organization of industrial visits.
- Guest lectures by the experts from industry.

6.2.5 How does the Head of the Institution ensure that adequate information (from Feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the College?

The Management and Principal are always in the interactive mode with each other. Principal collects the information related to teaching learning process, infra structure, co-curricular, extracurricular etc., from parents, alumni, industry, teachers, students. The information gathered from different sources is discussed with the Management. Scope for the improvement is identified and necessary decisions are taken for further process.

6.2.6 How does the management encourage and support involvement of the faculty in improving the effectiveness and efficiency of the Institutional processes?

A qualitative suggestion of any member finds place in decision making. A systematic and participative management feature of the college leads to the determination of right things. After making decision, committees concerned will implement with true spirit with the guidance and cooperation of all the members to make those right things right. Thus promoting belongingness in faculty and faculty pave ways for effectiveness and efficiency.

The institution extends financial assistance and support to carry out various academic activities. Faculty are encouraged to participate in various faculty development programmes, organizing seminars, workshops, conferences, refresher courses etc., to enhance the knowledge and skills in the emerging areas of technical advancements.

Faculties are given opportunities to head various committees like exam cell, disciplinary, training and development, grievances and redressal, anti-ragging, women empowerment etc.,

Cash awards are given to encourage the faculties for producing best results.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

Details of resolutions made by the Management council (Governing Council) in the last year are:

S. No	Resolutions made by the management	Status of implementation
1	Apply for getting accreditation from NAAC	SSR submitted
2	Apply to get NBA Re-accreditation for CIVIL, CSE, EEE, ECE, MECH.	Applied and process initiated.
3	Apply for 2(f) and 12(B)	Applied

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated College? If 'yes', what are the efforts made by the College in obtaining autonomy?

Yes, Institution is taking lot of initiatives to upgrade the standards and looking forward to get autonomy.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

Mechanism and Composition of Grievance Redressed System

- The Institution has a mechanism to receive the complaints from students, parents, faculty, visitors and vendors.
- The suggestion box is kept in each department by the respective HODs to receive the complaints from students.
- Parents give their complaints to the respective HODs, principal, administrative officer orally or in writing.
- Student's grievances and redressal committee is also available to collect grievances.
- All the complaints/suggestions received are analyzed and discussed with the principal and management. Necessary corrective and preventive actions are taken.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

There are no instances of court case filed by and against the institution.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on Institutional performance? If 'yes', what was the outcome and response of the College to such an effort?

College obtains feedback in several ways

- Students feedback
- Exit survey
- Alumni survey

Every department obtains student feed back once in a semester. In addition, class committee meeting also conducted to receive feedback on performance of the faculty, use of teaching aids and general grievances. After thorough analysis, the head of the department provides his views and suggestions and communicates the same to the concerned person. The improvement of the performance of that faculty will be monitored through subsequent feedback.

The feedbacks are also collected from the outgoing students and alumni on infrastructure, teaching learning process, extracurricular, co-curricular, imparting employability skills, etc. From this, necessary activities are identified to enhance the institutional performance. This feedback are reviewed and submitted to the management for appropriate action.

6.3 Faculty Empowerment strategies:

6.3.1 What are the efforts made by the College to enhance the professional development of its teaching and non teaching faculty?

The institution provides opportunity and encourages teaching and nonteaching staffs to enhance their professional profile in the following manner:-

- Providing orientation programs for new faculty members for achieving excellence.
- Providing sponsorship for faculty for their higher education.
- Granting on-duty for attending workshops, conferences and FDPs at national and international level.
- Organizing frequent FDPs.
- Organizing skills development programmes.
- Encouraging various research activities on and off campus
- Encouraging leave for faculty members to deliver guest lecturers off campus.
- Proliferating the professional society activities on and off campus.
- Providing industrial training and exposure to the faculty members.

6.3.2 What are the strategies adopted by the Institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

- Training new faculty members on instructional design and delivery by experienced faculty members
- Training to faculty on revised courses by eminent external faculty from industry and college.
- Deputing faculty members for refresher courses frequently
- Guest lecturers by external subject-experts
- Formulation of various committees with adequate authority and autonomy to plan Internal Assessment tests, design question papers and conduct exams.
- Providing complete autonomy in delivering the lectures
- Creating pro-active participation in new avenues of their core subject.
- Appreciation of the expertise merit and talent by providing opportunities for self motivation

6.3.3 Provide details on the performance appraisal system of the faculty to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

Performance Appraisal system of the faculty,

- **Student Feedback**
- **Self appraisal**
- **Examination results**
- **Attitude towards Self Development** : Membership in professional bodies, training /workshop attended, FDP attended, conference attended, book written
- **Contribution to Student development** : Mentoring the students, additional responsibilities like class advisor, assisting the students for placement and higher studies, guidance for innovative projects
- **Contribution towards department visibility** : Workshop, conference, FDP organized, guest lecture arranged, seminar arranged , industrial visits arranged, symposium organized, companies identified for placement, other responsibilities
- **Contribution to R & D:** Publications, sponsored projects, consultancy, patents applied
- **Quality Related activities** : Guest lecture given outside, interactions with outsideworld, research guidance peer analysis and review of performance is done for all faculty every year

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

- Top management reviews the performance of the faculty appraisal, this will be communicated to the respective faculty through principal and HODs.
- Based on the outcome of the appraisal necessary support and guidance like sponsoring for training program, FDP, workshops, seminar etc., will be given to the faculty.

6.3.5 What are the welfare schemes available for teaching and non teaching faculty? What percentage of faculty have availed the benefit of such schemes in the last four years?

- College pays EPF contribution for the nonteaching faculty. 100% of faculty are availing the benefit.
- Transport Facilities: Subsidized Transport for all teaching and non teaching faculty.
- Medical Facilities: Free Medical consultancy and Hospitalization for common ailments
- Group Insurance has been provided.
- Maternity leave.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

- Cash awards to the faculty members who achieved best performance in university examination results.
- The wards of the employees of JCET are given fees concession.
- Faculties are encouraged to pursue their higher studies with sponsorship.
- Financial supports are provided for attending National/International conferences, seminars, workshops etc.,
- Responsibilities like convener, coordinator members of various committees are allocated.
- Providing on-duty for Guest lecture, Research, Consultancy activities etc.,

6.4 Financial Management and Resource Mobilization

6.4.1 What is the Institutional mechanism to monitor effective and efficient use of available financial resources?

Institution has well defined mechanism to monitor effective and efficient use of available resources. Head of the departments prepares the budget based on the requirements like infrastructure, laboratory facilities, departmental activities and other miscellaneous. Principal will consolidate and prepare the annual budget and submit to the management.

This budget proposal will be thoroughly analyzed and sanctioned. Purchases will be made with the recommendations of duly constituted authorities. Once the budget is allocated, the department concerned makes a comparative statement and facilities of order is initiated, with the approval of Principal. The utilization of budget will be monitored by the principal and head of the department.

The amount spent is audited by chartered accountant at the end of every year.

6.4.2 What are the Institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

- Yes. Yearly twice, internal audit will be conducted by the committees appointed by the management representative and principal. After thorough verification, committees will submit their appraisals to the management representative and principal for follow up action.
- The college had the last external audit was held on 20.04.2015 & 21.04.2015 and the accounts are audited by the external qualified professionals. An audit non-conformities are identified and remedial actions are initiated and also to ensure the institution for proper implementation of policies.

6.4.3. What are the major sources of Institutional receipts/ funding and how is the Deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

Major Sources of Income:

- Tuition fee, hostel fee, transport fee

Deficit management:

- Bank loan,
- Jayam Educational and Charitable Trust

Compiled income-expenditure statement is furnished below and individual statements are given.

Income and Expenditure Account

Particulars / Income	2011-12 Audited	2012-13 Audited	2013-14 Audited	2014-2015 Prov.
INCOME				
Tuition fee	19,52,26,400	20,98,36,750	21,08,73,275	19,39,44,166
Interest Receipts	7,59,398	2,91,378	5,38,924	12,09,029
Transport fee	94,70,580	1,12,51,266	1,28,11,324	1,22,85,535
Others	42,91,890	9,16,191	4,73,797	6,77,343
Total Income	20,97,48,268	22,22,95,585	22,46,97,320	20,81,16,073
EXPENDITURE				
Affiliation Fee and University fee	1,24,52,545	85,88,017	73,91,597	78,53,444
Power Fuel and water Charges	1,09,04,048	1,58,40,934	1,96,25,218	1,77,59,997
Salaries, Wages and allowances	4,24,17,560	5,10,60,408	5,86,88,072	6,91,23,242
Contribution to Provident fund	41,52,254	46,46,788	41,56,667	47,15,857
Workmen and faculty welfare expenses	12,96,292	25,53,026	10,47,184	13,66,593
Rent, rates and taxes	10,97,548	17,90,066	12,29,304	3,99,871
Insurance charges	14,43,260	19,79,789	22,57,756	40,00,851
Repairs and Maintenance	70,94,959	68,54,908	74,27,866	78,07,011
Transport of material	10,68,398	6,34,792	1,99,283	39,454
Administrative expenses	5,81,94,951	6,25,06,121	6,75,45,633	6,82,47,278
Financial and Bank charges	38,64,953	45,18,549	47,48,679	37,17,959
Audit fee	35,000	37,500	40,000	45,000
Depreciation	2,86,64,906	3,42,48,216	2,77,54,407	2,08,15,805
Total Expenditure	17,26,86,674	19,52,59,114	20,21,11,666	20,58,92,362
Excess Income transferred to Trust for expansion and equipment	3,70,61,594	2,70,36,471	2,25,85,654	22,23,711

6.4.4 Give details on the efforts made by the Institution in securing additional funding and the utilization of the same (if any).

The institution funding largely depends upon the students fees collected at the beginning of the academic year. Faculties are also encouraged to submit the proposal to generate fund from various organization like, AICTE, Anna University, TNSCST, MHRD etc. Funds are also generated from various funding agencies. The amount received from state and central government agencies is exclusively utilized for the intended purpose.

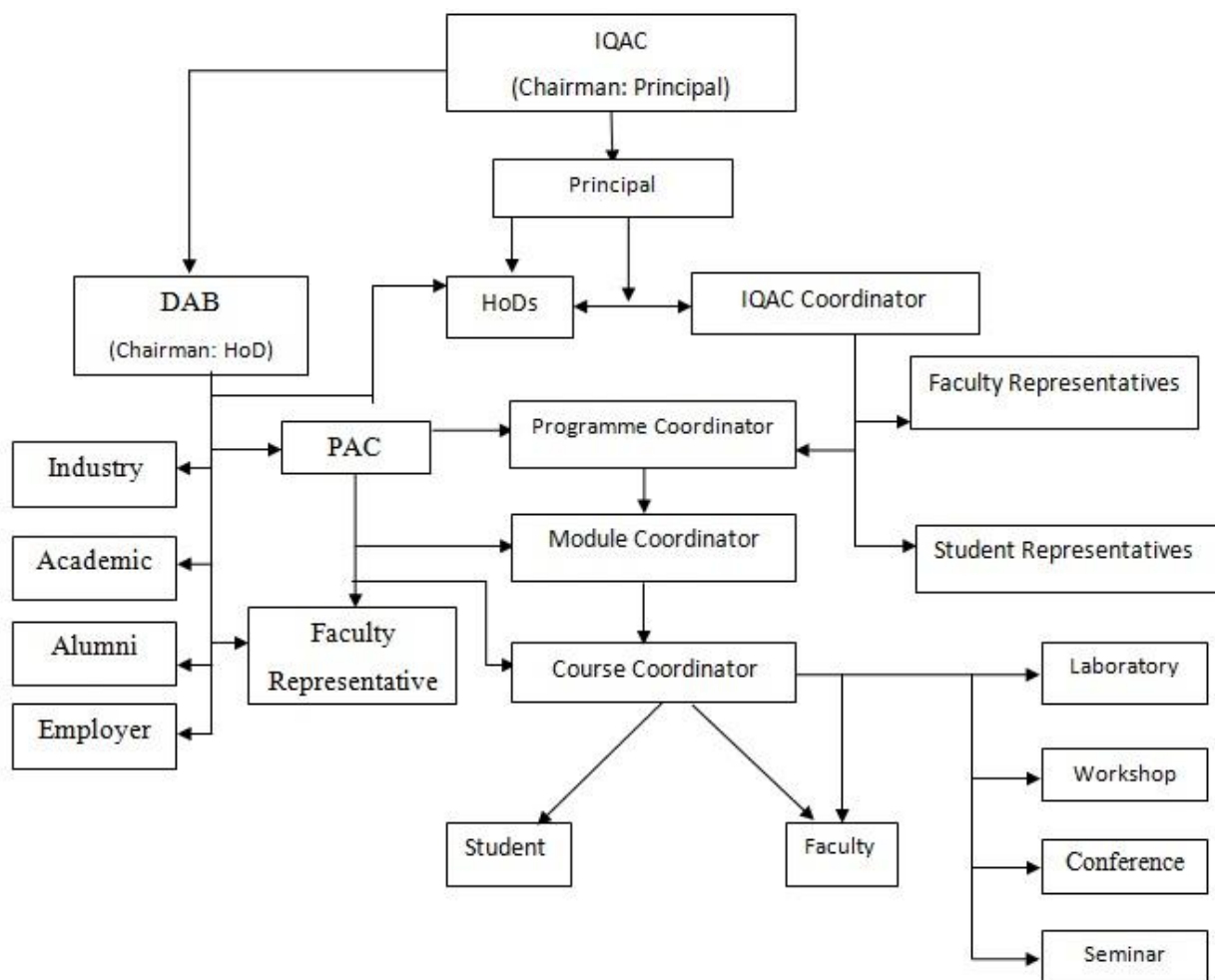
6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

a. Has the Institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the Institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

Yes, the College has established IQAC. Also the Quality is maintained through ISO9001: 2008, certified by BSI.

INTERNAL QUALITY ASSURANCE CELL



Teaching and Learning

The essence of the quality assurance policy of the college can be categorized as

- Constituting the framework of the quality parameters and desirable goals for the academic and administrative activities

- Overseeing the class work, study materials, exam standards and other related academic activities
- Executing internal quality audits periodically to verify the validity of the checkpoints created for reaching the quality parameters.
- Monitoring various programs/academic activities leading to quality improvement and reviewing their effectiveness in quality improvement/sustenance.

b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

- All the decisions of the IQAC were approved by management for implementation and many of them have been implemented, as on date.
- For instance, the following proposals which were put forth by the IQAC have been implemented
 - Preparation of course material
 - Organizing / participating seminar, workshop, conferences etc
 - Participation in co-curricular, extra-curricular activities
 - Interaction with industries.
 - Training for skill development to enhance the employability skills.

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

Yes. IQAC have external members. They offer suggestions on teaching learning process, placement, extracurricular, co-curricular activities etc., to bridge the gap between institution and industries.

d. How do students and alumni contribute to the effective functioning of the IQAC?

Alumni and students are continuously in touch with IQAC and share the requirements of the students which will be addressed properly.

Contribution by students

- In the periodical Class Committee Meetings (CCMs) the students share their views on present teaching-learning process and how to improve them. The

students have absolute freedom to point out the loopholes in the system and bring amendments to close the gap between the teaching and learning. They are encouraged to propose and organize various co-curricular and extra-curricular activities in the college.

Contribution by Alumnus

- The alumni association of the College is well established and maintained under the roof of placement department. Alumni meeting are scheduled and conducted yearly in a public place with wide publicity. Alumnus extends their help in getting placements and training the present batch of students
- Alumnus interacts with junior, HODs and principal during their visit to the institution
- The alumni are pro-active and productive in analyzing the teaching learning process and appraising the present requirements of business environment and evaluating the remedial measurements to be taken up in the Institution.

e. How does the IQAC communicate and engage faculty from different Constituents of the Institution?

- The IQAC constituted different sub committees in which most of the faculty members are involved in formulating and executing the decisions of IQAC.
- The decisions of IQAC are communicated to faculty members through General meeting, HoDs, circulars / notices and through email.

6.5.2 Does the Institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalization.

Yes.

- Our institution has many academic and administrative committees like IQAC, Programme assessment, Admission, Extracurricular, Co-curricular, Training and placement, etc. Through active involvement, monitoring, evaluation and interaction of these various committees quality is assured.

6.5.3 Does the Institution provide training to its faculty for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

Yes.

- Orientation programmes are organized for new faculties.
- Faculty is encouraged to attend seminars, workshops, faculty development programs, short term training programs, national / international conferences etc. conducted external to the college.
- Quality based training related to ISO, NBA etc. been arranged with the help of external experts inside the college.
- Faculty is also being deputed to various training programmes related to quality assurance procedures and standards.
- Teachers are given hands on experience of the quality parameters of the colleges and how to achieve them innovatively.
- Teachers are given how to integrate the theoretical knowledge with practical reality and how to achieve them through various examinations.

6.5.4 Does the Institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the Institutional activities?

Yes.

Academic audit is conducted periodically on the following:

- Course files and lab manuals
- Student's hourly and daily attendance
- Internal exam conduction and evaluation
- Internal marks for university examination
- University examinations results analysis
- Semester wise performance and comparison with other university affiliated colleges.
- Faculty development programmes and their impact on teaching - learning process.
- Training programmes to students.
- Co-curricular / extra-curricular activities.
- Based on the report of internal academic audit, the courses of actions / measures being followed are reviewed and suitable remedial measures will be taken.

6.5.5 How is the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/ regulatory authorities?

The internal quality assurance mechanisms are designed keeping in the requirements of various accreditation bodies like NAAC, NBA and also the documents are maintained in alignment with ISO standards.

6.5.6 What Institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The institution has many monitoring committees like class committee, programme assessment committee, attendance monitoring, test monitoring committee, ISO auditing committee to review the teaching learning process.

Each committee visit all the departments and audited documents on a regular basis. The report of the audit findings are submitted for review to the Convener of the committee, HoDs and Principal.

Quality of the academic process and achievement of the objectives and outcomes are identified and necessary action taken for the improvement process.

6.5.7. How does the Institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The institution communicates by the way of vision, mission statement and quality policies, which are displayed in academic and administrative departments. The stakeholders are communicated through letters, emails and phone calls. The same is also shared in Parent-Teacher meetings, alumni meetings and employers meetings. These are also published through college calendar, brochure, news letter, and media.

Any other relevant information regarding Governance Leadership and Management which the College would like to include.

Effective teaching learning process is put in place by well defined Vision, Mission, and Quality Policy, Committed Management, Principal, Hods and faculty members. The Structured mechanism which continuously monitors and reviews the process helps us in achieving our outcomes.

CRITERION - VII

INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.2 Innovations

7.3 Best Practices

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and Facilities?

Even though our institution does not conduct a green audit of its campus and facilities it makes conscious efforts in maintaining the campus eco friendly. Our campus consists of many varieties of trees and plants for maintaining green environment. Our students and faculty are actively participating in environment cleaning related activities to inculcate eco friendly culture. Building structures are designed with high natural lighting and ventilation to minimize lighting loads. All blocks are surrounded with green lawns and plants to maintain a healthy balance. Block supervisors ensures usage of electricity in proper. Tree plantation activities are conducted regularly by the NSS units. Cleanliness is maintained regularly in the campus. Garbage is dumped in the specified containers which is present in the vantage places.

Weeding out of shrubs & bushes are also periodically carried out.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

The initiatives taken by our college to make the campus eco friendly are as follows:

Energy Conservation:

- Classrooms are well ventilated to ensure the natural lighting.
- Centralized section wise UPS systems for computers and equipment.
- Periodical checking is made to avoid the excess power consumption.
- Power capacitors of required specifications are provided in the MV Panel boards and sub switch boards in every building.
- Instruction stickers about saving electricity is fixed in main areas of the campus
- Fuel checking is done regularly for regulators.
- Speed limiters are provided in all transports.
- Vehicles are periodically serviced.

- The computers are provided with TFT monitors.
- The importance of energy conservation is intimated to faculty and students by asking them to switch off fans and lights whenever not needed.

Water Harvesting:

- The Institution has provisions to harvest rain water during rainy season.
- The ground water level is recharged by storing water in the artificial ponds created by the college.

Effects of Carbon Neutrality:

- Green lawns and plantations helps in fixation of carbon content present in the environment and helps in making pollution free environment.
- Periodical inspection of college vehicles and generator set and other electrical equipments ensures lowest possible emission and pollution free environment by neutralizing the carbon effect.

Plantation:

- The campus is located in rural area with green ambience. Tree plantation programmes are conducted by NSS unit incessantly.

E-Waste Management:

- Electronic waste items are collected systematically and disposed properly to make campus eco-friendly.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

Innovation means improvement, modernism & creating new process or finding out new path from the existing process. According to that our college is playing a vital role in introducing & executing new innovative plans for creating a positive impact on the functioning of the college.

➤ **Video Lectures from NPTEL:**

NPTEL provides E-Learning through online. Video courses for engineering students are conducted through NPTEL classes. Two periods per week are provided in the regular time table for the NPTEL classes, so that the students are benefitted through there video lectures.

➤ **Mind Tree Technology Campus Connect:**

Mind Tree Technology campus connects provides Industry academia interaction program which aims to be a forum where the best practices at Mind tree to develop the current technical needs of the students and to prepare the students to meet the Industrial expectations are adopted.

➤ **D-ARC Training:**

To improve soft skills like positive thinking, critical decision making developing communication skills D-ARC Training program are arranged periodically.

➤ **Training Sessions handled:**

Training team in our institution plays a major role in making the students to be trained in developing the communication skill from the first year onwards. A communication lab has been setup for these training sessions which can be useful for all the students. The students are trained on the aptitude skills, technical skills, logical reasoning, and soft skills by this team.

➤ **Membership in Professional body:**

The students and faculty are encouraged to hold life membership in various professional bodies at national and international level. The faculty members have

life memberships in Indian Society for Technical Education (ISTE) which provides a platform for faculty to educate themselves through seminars, workshops etc.,

➤ **Parents Corner:**

The unit test marks, Internal Assessment test marks and the attendance percentage of students are sent to their parents periodically.

➤ **Feedback Mechanism:**

Students give feedback about the academics and non academics in the class committee meeting conducted every month. Based on the issues, counseling is given to the faculty and necessary steps are taken in regard of non academics.

➤ **MoU' s Signed:**

MoU was signed between many industries like Mind Tree Technologies, JSW, CADD Centre, Aspiring minds etc., to enhance the students to meet the industry expectations.

➤ **Internet Facilities:**

All the computers are provided with net facility and the campus is equipped with Wi-Fi connectivity. This helps both the students and faculty to enrich their knowledge on the technical concepts and make their research through e-journals.

- Conducting value added course beyond the syllabus to make the students to meet out the industrial expectations.
- Financial rewards for the university toppers and rank holders by the institution. Recognition for high achievers in the University Examination is done periodically on the Graduation day.

7.3 Best Practices

7.3.1 Elaborate on any two best practices in the given format at page no. 98, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Our Institution is following some of the best practices which have contributed to the achievement of the Institutional objectives core activities of the college.

Best Practice 1:

Title of the Practice:

1. Student's health through participation in sports activities.
2. Balancing physical and mental ability.

Goal:

To make sure that the students get participated in activities that improves their physical health.

Context:

The students are utilizing their time in colleges only in increasing their mental fitness. Hence spending time in improving their physical health became less. To balance their physical and mental growth a separate department called physical education department is working on this. This department concentrates on both students and faculty health.

Practice:

Our institutions timetable consists of a sports hour per week in which the student can actively participate and practice in the sports activities he/she likes. Both indoor and outdoor games are available. Necessary goods are provided. Sports day is conducted every academic year and the participants are encouraged with medals and certificates. Gym facility is available. Physical director coaches the students in regarding maintaining their physical health. Hygienic food is provided. College provides sports uniform to all the students participating in the zonal and inter-zonal level events and provides dietary supplements for such students. Travelling allowance is provided to the students participating in various events. Fee concessions are provided to the best performers in the competition. Special diet is provided for students in their coaching camps.

Sports Scholarships:

S. No	Academic Year	Number of students benefitted	Concession
1	2011-12	101	Fee concession is based upon their performance in the Sports
2	2012-13	122	
3	2013-14	131	
4	2014-15	98	

Evidence of Success:

The measures taken by the college helps to students to practice themselves in maintaining their physical health. Students of our institution have achieved remarkable achievements as winners and runners in various athletic events. Many of our students have won medals and cash prizes at Anna University Zonal and inter zonal level which is mentioned in criteria 5.3.

Problems Encountered and Resources Required:

On every innovative work there will be some obstacles in the path but overcoming it with well planned approaches will make the work successful. First of all our physical director faced troubles in making the active participation of students in zonal and interzonal levels. But after incessant training and monitoring there is a possibility of achievements in the University level events also. The resources required by the players are fulfilled by the management.

Conclusion:

We have found that balanced education of both academics and sports uplift the students health & attitude. This practice has provided a good result which produces many university rank holders as well as university players.

Best Practice 2:**Title of the Practice: Skill enrichment for Students Employability.****Goal:**

To make certain that the students are provided with training which makes them to meet the industry expectations and other skill sets to make them competitive and employable in multinational industries.

Context:

Employability is one of the biggest challenges for engineering education for graduating students. The curriculum is also one of the barriers since it falls short of industry expectations. Hence there is an urgent need to provide the skill set both technical and non technical so that the student can meet the challenge.

Practice:

The Institution has taken corrective measure to meet the requirement for improving employability of students through setting up of separate training team for training the students in various skill oriented programs in the campus so that the student can be trained apart from their academics and also a placement cell is already in existence for intimating the students about the various placement activities which are organised in and around the districts.

Industry Oriented Training Program:

The college has signed MOU with many industries like MINDTREE Technologies, Bangalore, JSW, Neolysis Technologies, Chennai and the regular training sessions were conducted by these competent authorities.

Personality Development Programs:

Our Institution has started PDP classes for the students with the regular course and trained by the training team of the placement cell for the students of all the years.

Evidence of Success:

The measures and initiatives taken by the institution help the students to upgrade their technical and non technical skills thereby enhancing their employability. The training team has been steadily improving in terms of giving

training to all the students in improving their competency level and also the placement cell is making progress in increasing the number of tier1, tier2, tier3 companies visiting to the campus.

Problems Encountered and Resources Required:

The curriculum framed by the university is fixed and it should be updated regularly as per industry needs which is the biggest problem encountered. Some of the students are not fulfilling the eligibility Criteria of industry as required to develop the skill, so that they can overcome the deficiency and can get placed in tier 3 companies. The Resources required are continuous assessment of students for making them to prepare for attending the skill tests.

Conclusion:

Continuous monitoring and sessions handling by the training team and the placement cell induce the students to enhance their employability skills.

Contact Details

Name of the Principal : Dr. K. Sundaramurthy.

Name of the Institution : Jayam College of Engineering and
Technology

City : Dharmapuri

Pin Code : 636 813

Accredited Status : 5 UG Programmes are NBA accredited.

Work Phone : 04342-235181, 201

Fax : 04342-235555

Website : www.jcet.ac.in

E-mail : principal@jcet.ac.in

Mobile : 9965593339, 9842999923

Part - D

**Evaluation Reports of the
Departments**

1. Name of the department : **MECHANICAL ENGINEERING**
2. Year of Establishment : **1998**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

S. No	Programme	Year of establishment	Duration	Full Time / Part time
1.	B.E - Mechanical Engineering	1998	4	Full Time
2.	M.E -Engineering Design	2010	2	Full Time
3.	M.E -Thermal Engineering	2011	2	Full Time

4. Names of Interdisciplinary courses and the departments/units involved:

S. No	Departments	Course code	Course offered	Year & Branch
1	Science and Humanities	HS6151	Technical English - I (I BE MECH)	I & MECH
		HS6251	Technical English - II (I BE MECH)	I & MECH
		MA6151	Mathematics - I (I BE MECH)	I & MECH
		MA6251	Mathematics - II (I BE MECH)	I & MECH
		MA6351	Transforms and Partial Differential Equation(II BE MECH)	II & MECH
		MA6452	Statistics and Numerical Methods (II BE MECH)	II & MECH
		PH6151	Engineering Physics - I (I BE MECH)	I & MECH
		PH6251	Engineering Physics - II (I BE MECH)	I & MECH
		GE6163	Physics and Chemistry Laboratory - I (I BE MECH)	I & MECH
		CY6151	Engineering Chemistry - I (I BE MECH)	I & MECH
		GE6262	Physics and Chemistry Laboratory -II (I BE MECH)	I & MECH
		CY6251	Engineering Chemistry - II (I BE MECH)	I & MECH
		GE6351	Environmental Science and Engineering (II BE MECH)	II & MECH
2	EEE	EE6351	Electrical Drives and Controls (II BE MECH)	II & MECH
		EE6365	Electrical Engineering Laboratory (II BE MECH)	II & MECH
3.	MBA	MG6851	Principles of Management	III & MECH
		GE6757	Total Quality Management	IV& MECH

5. Annual/ semester/choice based credit system (programme wise) :

Programme	Specialization	Pattern
B.E	Mechanical Engineering	Semester based
M.E	Engineering Design	Semester based
M.E	Thermal Engineering	Semester based

6. Participation of the department in the courses offered by other departments

S.No	Program	Courses offered by other departments	Semester
1	B.E. Mechanical Engineering	Computer Science Engineering	I
2		Civil Engineering	II
3		Electrical & Electronics Engineering	III
4		Electronics & Communication Engineering	IV

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:

S.No	Course name	Participating Institution/Industry
1	Quantitative Aptitude Training	Focus Academy for Career Enhancement (FACE)
2	Corporate Training and placement	Mind Tree - Mind Tree innovative Training program, Bangalore
3	Business Development Analyst	Idayam Group
4	Placement Training	Academy of Excellence, Salem
5	Mission10X workshop	Wipro Limited , Bangalore

8. Details of courses/programmes discontinued (if any) with reasons:

NIL

9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	05	02
Associate Professors	08	02
Asst. Professors	29	37

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

S. No	Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
1	Dr.K.Sundaramurthy	M.Tech., Ph.D	HOD & Professor	CAD/CAM	13 Years	Nil
2	Dr.R.Subramaniyan	M.Tech., Ph.D	Professor	Industrial & System Engineering	12 Years	Nil
3	R.Arun	M.E.,	Associate Prof	Engineering Design	13 Years	Nil
4	A.Ramesh Babu	M.E.,	Associate Prof	Engineering Design	10 Years	Nil

5	S.Chakkaravarthy	M.E.,	Assistant Prof.	Engineering Design	10 Years	Nil
6	P.Vetrivel	B.E., MBA	Pro Term Lecturer	Mechanical Engineering	09 Years	Nil
7	V.Parathasarathy	B.E.,	Pro Term Lecturer	Mechanical Engineering	04 Years	Nil
8	S.Raghuraman	B.E.,	Pro Term Lecturer	Mechanical Engineering	04 Years	Nil
9	M.Shankar	B.E.,	Pro Term Lecturer	Mechanical Engineering	02 Years	Nil
10	V. Mohanraj	M.E.,	Assistant Prof.	Engineering Design	03 Years	Nil
11	G.Arulgandhi	M.E.,	Assistant Prof.	Mechanics	03 Years	Nil
12	T. Lenin	M.E.,	Assistant Prof.	Engineering Design	08 Years	Nil
13	A.Vijayakumar	M.E.,	Assistant Prof.	Engineering Design	08 Years	Nil
14	K.Mohan Kumar	M.E.,	Assistant Prof.	CAD	09 Years	Nil
15	K.Vijayrakesh	M.E.,	Assistant Prof.	Thermal Engineering	02 Years	Nil
16	M.Anburaja	B.E.,	Pro Term Lecturer	Mechanical Engineering	03 Years	Nil
17	S.Kanagaraj	B.E.,	Pro Term Lecturer	Mechanical Engineering	03 Years	Nil
18	R.Manikandan	B.E.,	Pro Term Lecturer	Mechanical Engineering	03 Years	Nil
19	P.Rajini	B.E.,	Pro Term Lecturer	Mechanical Engineering	03 Years	Nil
20	S.Suresh	M.E.,	Assistant Prof.	Engineering Design	03 Years	Nil
21	S.Dinesh	B.E.,	Pro Term Lecturer	Mechanical Engineering	03 Years	Nil
22	S.Vasanthakumar	M.E.,	Assistant Prof.	Engineering Design	02 Years	Nil
23	V.Nagarajan	B.E.,	Pro Term Lecturer	Mechanical Engineering	02 Years	Nil
24	S.Nithyakumar	B.E.,	Pro Term Lecturer	Mechanical Engineering	03 Years	Nil
25	R.Sakthivel	B.E.,	Pro Term Lecturer	Mechanical Engineering	03 Years	Nil
26	S.Periyannan	M.E.,	Assistant Prof.	Engineering Design	03 Years	Nil
27	S.Saranraj	B.E.,	Pro Term Lecturer	Mechanical Engineering	03 Years	Nil
28	C. Prithiviraj	M.E.,	Assistant Prof.	Thermal Engineering	04 Years	Nil
29	C. Thirunavukkarasu	M.E.,	Assistant Prof.	Internal Combustion Engineering	02 Years	Nil

30	S.Praveen Kumar	M.E.,	Assistant Prof.	Engineering Design	01 Years	Nil
31	D.Ilayaraja	M.E.,	Assistant Prof.	Engineering Design	01 Years	Nil
32	S.Aravind	M.E.,	Assistant Prof.	Engineering Design	01 Years	Nil
33	T.Gopinath	M.E.,	Assistant Prof.	Thermal Engineering	01 Years	Nil
34	R Venkatesh	M.E.,	Assistant Prof.	Engineering Design	01 Years	Nil
35	N.Prabakaran	M.E.,	Assistant Prof.	Engineering Design	01 Years	Nil
36	A.Madesh	M.E.,	Assistant Prof.	Engineering Design	02 Years	Nil
37	M.Govindaraj	M.E.,	Assistant Prof.	R&AC	03 Years	Nil
38	M. Kanmaniraja	M.E.,	Assistant Prof.	CAD/CAM	02 Years	Nil
39	M.Ramesh	M.E.,	Assistant Prof.	Manufacturing Engineering	02 Years	Nil
40	S.Aprose	B.E.,	Pro Term Lecturer	Mechanical Engineering	01 Years	Nil
41	T.Lenin	B.E.,	Pro Term Lecturer	Mechanical Engineering	01 Years	Nil
42	D.Palanivel	B.E.,	Pro Term Lecturer	Mechanical Engineering	01 Years	Nil

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : NIL

13. Student -Teacher Ratio (programme wise):

S.No	Programme	Student teacher ratio
1	B.E-Mechanical Engineering	1:15
2	M.E- Engineering design	1:12
3	M.E- Thermal Engineering	1:12

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

S.No	Type of staff	Sanctioned	Filled
1	Academic Support (Technical Staff)	6	6
2	Administrative staff	2	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

No. of faculty with D.Sc / D.Litt	No. of faculty with Ph.D	No. of faculty with M.Phil	No. of faculty with PG (M.Tech/ MA/ M.Com/ M.Sc/ MBA/ MCA)	No.of faculty with UG (B.Tech)
-	02	-	20	19

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

(a) National : Nil

(b) International : Nil

17. Departmental projects Funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Nil

18. Research Centre /facility recognized by the University: In-Process

19. Publications:

S. No	Name of the faculty	No. of Publication	Monographs	Chapter in Books	Books Edited	Books with ISBN/ISSN numbers with details of publishers	Citation Index	SNIP	SJR	Impact factor	h-index
1	Dr.R.Subramaniam	01	-	-	-	-	-	-	-	2.0	-
2	Dr.K.Sundaramurthy	04	-	-	-	-	-	-	-	0.7/0.2	-
3	Mr.P.Vetrivel	02	-	-	-	-	-	-	-	1.5	-
4	Mr. C.Thirunavukkarasu	01	-	-	-	-	-	-	-	2.10	-
5	Mr.A.Rameshbabu	02	-	-	-	-	-	-	-	2.54 0.479	-

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

a) National committees : NIL

b) International Committees : NIL

c) Editorial Board : NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme : 75%

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies : 25%

23. Awards / Recognitions received by faculty and students

a) **Faculty:**

S.No	Name of the faculty	Academic year	Result %	Cash award
1.	R.Arun	2014-15	90%	500
2.	P.Vetrivel	2014-15	94%	800
3.	K.Vijayrakesh	2014-15	94%	800
4.	G.Arul Gandhi	2014-15	97%	800
5.	Dr.K.Sundara murthy	2014-15	94%	800
6.	S.Vasantha kumar	2014-15	95%	800
7.	T.Lenin	2013-14	88%	500
8.	A.Vijayakumar	2013-14	91%	800
9.	T.Gopinath	2012-13	91%	800
10.	S.Chakkaravarthy	2012-13	88%	500

b) **Student**

(i) University Rank holders

Name of the Students	Rank	Batch
P.S.Nisad	5 th Rank	Batch 2008 - 12
R.Suresh	31 st Rank	Batch 2008 - 12
Amithalingam	46 th Rank	Batch 2008 - 12
Parthiban. D	49 th Rank	Batch 2009 - 13
Vijayakumar. P	2 nd Rank	Batch 2011 - 13
Praveen kumar. S	11 th Rank	Batch 2012 - 14

(ii) Scholarship from college

The following students were awarded Amount Rs. 10000.

Name of the Students	CGPA	Batch
Karthikeyan E (611012114050)	8.07	Batch 2012-16
Baskar R (611012114019)	8.04	Batch 2012-16
Pattabiraman C (611012114079)	8.32	Batch 2012-16
Mohammednawazullah M S (611011114067)	8.55	Batch 2012-16
Jayakumar B (611011114043)	8.52	Batch 2012-16

Our students have participated in various events and won prize

S. No	Name	Game	Level	Place
2014- 2015				
1	G.Ekambaram	Athletics - 20km walk	Zonal	Second
2	G.Ekambaram	Ball Badminton	Zonal	Winner
2013-2014				
1	G.Ekambaram	Athletics - 10km walk	Zonal	Second
2	S.Silambarasan	Ball Badminton	Zonal	First
3	S.Muruges	Volley ball	Zonal	Second
4	M.Ramkumar	Volley ball	Zonal	Second
5	K.Sunder	Tennis	Zonal	Second
6	K.Sivalingam	Handball	Zonal	Second
7	K.Suresh	Handball	Zonal	Second
8	M.Karthik	Handball	Zonal	Second
9	D.Anbu	Handball	Zonal	Second
10	M.Karuppusamy	Cricket	Zonal	Second
11	A.Saravanakumar	Hockey	Zonal	Third
12.	K.R.Lazarusbabu	Hockey	Zonal	Third
13.	V.Hariprasad	Hockey	Zonal	Third
14.	K.Vishnukanna	Athletics- 400 meter hurdles	Zonal	Second
15.	K.Sathiyamoorthy	Athletics - 4×100 M relay	Zonal	Second
16.	D.Sedhubathi	Ball Badminton	Zonal	First
17	G.Ekambaram	Athletics - 20km walk	Zonal	Third
18.	D.Honestraj	Volley ball	Zonal	Second
19.	M.Santhoskumar	Football	Zonal	Second
20.	G.Aravindan	Football	Zonal	Second
21.	G.Gokulsriram	Tennis	Zonal	Second
22.	P.Tamilarasu	Tennis	Zonal	Second
23.	P.Manikandan	Weight lifting	Ties	Fourth
24.	N.Johnvignesh	Volley ball	Zonal	Second
2012-2013				
1	M.Srinivasan	Body physique Weight lifting 70 kg	Intra-level competition	Gold
2	R.Bharathi	Weight lifting 105 kg	Intra-level competition	Bronze
3	M.Srinivasan	Best Body physique	Zonal	Third
4	N.Jhon vignesh	Volley ball	Zonal	Second
5	D.Honestraj	Volley ball	Zonal	Second
6	Mubarak basha	Volley ball	Zonal	Second
7	S.Silambarasan	Ball Badminton	Zonal	Third
8	P.Mohammed ali jinna	Tennis	Zonal	Second
9	K.Vijay	Tennis	Zonal	Second

10	M.Kavin	Tennis	Zonal	Second
11	K.Sivalingam	Hand ball	Zonal	First
12	A.Harikaran	Hand ball	Zonal	First
13	K.Ganesh	Hand ball	Zonal	First
14	S.Dineshkumar	Hand ball	Zonal	First
15	A.Karthikeyan	Hand ball	Zonal	First
16	R.Nethaji Subash Chandra Boss	Hand ball	Zonal	First
17	M.Jhonson	Hand ball	Zonal	First
18	K.Suresh	Hand ball	Zonal	First
19	M.Karthick	Hand ball	Zonal	First
20	S.Gnanasekaran	Hand ball	Zonal	First
21	J.Saravanakumar	Hand ball	Zonal	First
22	M.Gangadharan	Hand ball	Zonal	First
23	Abin jhose	Foot ball	Zonal	Third
24	Glycil T George	Foot ball	Zonal	Third
25	P.Ramesh	Foot ball	Zonal	Third
26	M.E. Rasik	Foot ball	Zonal	Third
27	K.M. Thilak kannan	Foot ball	Zonal	Third
28	Bijin Xavier	Foot ball	Zonal	Third
29	A.Arun pandian	Foot ball	Zonal	Third
30	K.M. Harichandran	Foot ball	Zonal	Third
31	Basil Kunjura	Foot ball	Zonal	Third
32	X. Prince mathew	Athletics 4 × 400 Relay	TIES	First
33	K.Sathiya moorthy	Athletics 4×100 Relay	TIES	Second
34	R.Barathi	Weight lifting	TIES	Third
35	R.Barathi	Discus throw	Zonal	Third
36	M.Srinivasan	Body Physique	TIES	first
37	M.Srinivasan	Body Physique	Zonal	first
2011-2012				
1	R.Bharathi	Weight lifting	State level	Third
2	R.Bharathi	Boxing	Zonal	Second
3	Nabeen	Boxing	Zonal	Second
4	S.Tharmalingam	Volly ball	Zonal	Third
5	K.Vijay	Ball Badminton	Zonal	Third
6	R.Bharathi	Power lifting & Weight lifting	Zonal	Second
7	M.Srinivasan	Best physique	Zonal	Second
8	P.Victor	Hockey	Zonal	Third
9	Prince Mathew	Hockey	Zonal	Third
10	A.Uthya kumar	Hockey	Zonal	Third
11	A.Rajkumar	Hockey	Zonal	Third
12	A.Vivekananth	Boxing	Zonal	Second

13	S.Saraboji	Kabaddi	Zonal	Second
14	C.Selvaraj	Kabaddi	Zonal	Second
15	A.S.V.Arunbalaji	Kabaddi	Zonal	Second

24. List of eminent academicians and scientists / visitors to the department

S. No	Year	Name of the academician / industrialist	Designation	Organization	Purpose of visit
1	2011-12	K.Parivallal	CEO	DMW CNC centre.	Entrepreneurship development programme
2	2011-12	Dr.R.Vijayan	Associate Professor, HOD	GCE, Salem.	CFD thermal engineering
3	2012-13	Dr. R.Sasikumar	Dean	Selvam college of Engg.	Advanced optimization techniques
4	2013-14	K.Boopathi	Scientist and unit chief I/C	Center For Wind Energy Technology, Chennai.	Green Energy Technology
5	2013-14	Arun V Jalan	Vice President and SBU Head,	Kotak Power Limited, Bangalore	Green Energy Technology
6	2013-14	Prof. N.Thiyagarajan	Retd Scientist	ISRO	Indian Space Program
7	2014-15	Dr.S.Senthil Kumar	Professor	VIT University	Advanced Manufacturing System & Automation

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

S.No	Year	Name of the seminar / conference / workshop	Date on event conducted	Source of funding	Amount spent (Rs.)
1	2012-13	Engg. Thermodynamics	11th-12th Dec 2012	Students Association	Rs.7000
2	2012-13	Computational Fluid Dynamics	12th-22th June 2012	Students Association	Rs.10000
3	2014-15	NDT	25th August	Students Association	Rs.20000

b) International: NIL

c) Inter college Level:

S.No	Seminars / Conferences / Workshops organized	Title of the program	Source of funds
Academic Year 2014-2015			
1	XETA2K15	National Level Conference	JCET
2	DAZZTECH2K15	National Level Students Technical Symposium	JCET
Academic Year 2013-2014			
1	XETA2K14	National Level Conference	JCET
2	DAZZTECH2K14	National Level Students Technical Symposium	JCET
Academic Year 2012-2013			
1	XETA2K13	National Level Conference	JCET
2	DAZZTECH2K13	National Level Students Technical Symposium	JCET
Academic Year 2011-2012			
1	XETA2K12	National Level Conference	JCET
2	DAZZTECH2K12	National Level Students Technical Symposium	JCET

26. Student profile programme/course wise:

Year	Name of the course / programme)	Applications received	Selected (No of Admitted Including Lateral Entry)	Enrolled		Pass percentage
				Male	Female	
2012-13	B.E Mechanical Engineering	190	180	180	0	83%
2013-14		170	170	170	0	65%
2014-15		149	149	149	0	68%
2015-16		162	162	162	0	NA
2012-13	M.E Engg. Design	11	11	11	0	95%
2013-14		18	18	18	0	92%
2014-15		0	0	0	0	0
2015-16		02	02	02	0	NA
2012-13	M.E Thermal Engg	13	12	12	0	93%
2013-14		18	17	17	0	88%
2014-15		09	09	07	01	78%
2015-16		12	12	12	0	NA

Admissions are through from TNEA (for UG) / TANCET (for PG) counseling of Tamilnadu state government.

27. Diversity of Students

Year of Admission	Name of the course	% students from the same state	% of students from other states	% of students from abroad
2012-13	B.E Mechanical Engineering	190	-	-
2013-14		170	0.05%	-
2014-15		149	0.05%	-
2015-16		162	-	-
2012-13	M.E Engg Design	11	-	-
2013-14		18	-	-
2014-15		0	-	-
2015-16		02	-	-
2012-13	M.E Thermal Engg	13	-	-
2013-14		18	-	-
2014-15		08	-	-
2015-16		12	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Name of the competitive	No. of students qualified			
	2011-12	2012-13	2013-14	2014-15
GATE	02	-	-	-
Civil services	-	-	-	-
Defense services	-	01	-	-
SLET	-	-	-	-
NET	-	-	-	-
GRE	-	-	-	-
Public Sectors	-	-	-	-

29. Student progression

Student progression	Against % enrolled
UG to PG	12
PG to M.Phil.	-
PG to Ph.D.	01
Ph.D. to Post-Doctoral	-
Employed	
➤ Campus selection	15.7
➤ Other than campus recruitment	74
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities

a) **Library**

S.No	Particulars	ECE
1	Plinth Area	33 Sq.m
2	Book Volumes	798
3	National journals	18
4	International Journal(UG&PG)	18
5	Titles	1513
6	Project Reports	351

b) **Internet facilities for Staff & Student**

20 Mbps Broadband leased line

c) **Class rooms with ICT facility**

Room Description	Usage	Capacity	Rooms equipped with
M105, M106, L101	Class Room for 3 rd year	75Sq. m. (Each)	Black Board, OHP with white Screen, fans, tube lights, table for faculty, student benches, chalks, dusters, & dust bins, LCD, Projectors
L102, L104, L105	Class Room for 4 th year	75Sq. m. (Each)	
M101,M102,M103	Class Room for 2 nd years	66 Sq.m/ 75Sq. m.	
EE23	Class Room for ME-ED 2 nd year	34Sq.m	
EE24	Class Room for ME-ED 1 st year	34Sq.m	
PG23-B	Class Room for ME-Ther. 2 nd year	34Sq.m	
PG23A	Class Room for ME-Ther. 1 st year	34Sq.m	
Tutorial rooms	Tutorial classes	33Sq.m.	
Tutorial rooms	Tutorial classes	33Sq.m.	
Dept. Library	For all BE,B.Tech and ME students and faculty	30Sq. m.	
HOD room, Meeting Room	HOD Cabin	30Sq. m.	chairs ,Tables, Book racks, Notice Boards, PC with Internet, closed Racks, toilet facility

d) **Laboratories**

S.No	Name of the laboratory	Area (Sq.mtrs)
1	Engineering Workshop practice.	200 Sq.m.
2	Manufacturing Technology Lab –I	186 Sq.m.

3	Manufacturing Technology Lab -II	186 Sq.m
4	Strength of Materials Lab	186 Sq.m
5	Fluid Mechanics & Machinery Lab	186 Sq.m
6	Thermal Engineering Lab	186 Sq.m
7	Heat Transfer Lab	93 Sq.m
8	Metrology & Measurements Lab	66 sq.m
9	CAD/CAM Lab –UG	143 Sq.m
10	CAD Lab-PG	79 Sq.m
11	Kinematics & Dynamics Lab	93 Sq.m
12	Mechatronics Lab	79 Sq.m

31. Number of students receiving financial assistance from college, university, Government or other agencies

Agency	No. of students received financial assistance			
	2011-12	2012-13	2013-14	2014-15
College	06	07	05	05
University	-	-	-	-
Government	-	-	-	-
Other agencies	-	-	-	-

32. Details on student enrichment programmes special lectures / workshops / seminar) with external experts

Year	Title of the programme	Special Lectures / Workshop/ Seminar	Date(s)	No of benefited
2013-14	Center For Wind Energy Technology, Chennai.	Seminar	13 Feb 2014	205
2013-14	Green Technology	Workshop & Seminar	20-Mar-2014	300
2014-15	Sustainable Energy	Seminar	23-Nov-2014	210
2014-15	Hands on Experience in CREO	Workshop	06-Jan-2015	215

33. Teaching methods adopted to improve student learning

- Organizing seminars, technical quizzes, and model making sessions.
- Conducting remedial classes for poor learners to improve their academic performance

- Encouraging mini projects as a part project method of teaching.
- Conducting value added programmes for improving soft skills in students.
- Conducting Incubation Classes for improving Practical skills in making models for enthusiastic students.
- Encouraging students to participate / Present in Technical fests / symposiums and national/ international conferences
- Classes are conducted regularly as per time table.
- Black board teaching in all class rooms.
- Power point presentations / video lectures/OHPs are arranged to the students by the concerned faculty.
- Giving assignments to the students after completion of prescribed syllabus.
- Providing extra content to fill the gap between academic and industry
- Easy access to the notes of each subject from department library
- Three internal assessment tests and re test are conducted
- Two model exams are conducted per semester
- Providing extra lab practice to all the students to improve the practical skills along with regular curriculum.
- Encouraging the students to deliver a seminar on topic related to subject in the allotted period.
- Delivering staff seminars on advanced topics
- Arranging workshops/guest lecturers to students by eminent personalities from academic institutions and Industry to enhance the knowledge of student
- Arranging industrial visits
- Arranging AV classes for students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Year	Name of the activity	Venue	Date on conducted	No. of students participated
2012	Blood Donate Camp	Great Hall	31 st Jan 2012	50
2013	Blood Donate Camp	Great Hall	9 th Jan 2013	65
2014	Blood Donate Camp	Great Hall	10 th Jan 2014	50

2015	Blood Donate Camp	B-Block	17 th Jul 2015	50
2015	Eye Testing Camp	B-Block	07 th Aug2015	55
2015	Independence Day Celebration	Bloosom Block	15 th Aug 2015	All Students & Staff Members

35. SWOC analysis of the department and Future plans

Strengths:

- Well established laboratories and infrastructures.
- Add-on programme and project internship for students
- Strong alumni interaction to fill the curriculum gap and internship projects
- Well qualified and committed faculty and Technical staff members.
- Active participation of faculty in research activities
- Systematic monitoring of teaching and learning process.
- The department is equipped with state of art laboratories.
- Excellent academic results of the students.
- Quality projects being undertaken by students of B. Tech and M. Tech

Weaknesses:

- Lack of industrial research and consultancy.
- Faculties are to be advised to make registration in professional membership bodies.
- Faculty members doing research work has to be increased.

Opportunities:

- Skill-set required by the leading MNC's and public sector and intense training in soft skills and personality development by T & P Cell and association with alumni grabs the opportunities to make the students industry ready.
- Amicable management with generous attitude in the form of lucrative special pays and incentives with additional perks and allowances to attract highly qualified and efficient and veteran faculty.
- Adequate FDP/Seminar/Conference/Workshop Programmes for the faculty and students.

Challenges:

- Lack of good communication skills
- Poor quality of intake.
- Development of applications, Recent trends of mechanical Engineering areas to cater the needs of common man in field of agriculture, health, education, construction etc.

Future Plans:

- To enhance Industry Institute Interaction to attract leading companies for on campus recruitment.
- Up gradation of faculty qualifications.
- Applying for external funded research projects with collaboration of government and private organizations
- Establishing MOUs with National/International, academic/research organizations
- To get reorganization as research centre
- To provide more industry relationship with department by taking real-time Industry Projects.
- To conduct International Conference for the faculty, Research scholars, PG Students.
- To attend industrial training programmes by the faculty.
- To conduct faculty development programmes in the latest technologies and teaching methodologies.

1. Name of the department : **ELECTRONICS AND COMMUNICATION ENGINEERING**
2. Year of Establishment : **1998**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Name of the programme	Specialization	Year of establishment	Duration	Full Time /Part Time
B.E	B.E- Electronics and Communication Engineering	1998	4	Full Time
M.E	M.E. Applied Electronics	2007	2	Full Time

4. Names of Interdisciplinary courses and the departments/units involved:

S.No	Departments involved	Course offered by the departments	Year & Branch
1	Science and Humanities	Technical English I & II	I & ECE
2	Science and Humanities	Engineering Physics I & II	I & ECE
3	Science and Humanities	Engineering Chemistry I & II	I & ECE
4	Science and Humanities	Engineering Mathematics I & II	I & ECE
5	Mechanical Engineering	Engineering Graphics	I & ECE
6	Computer Science Engineering	Computer Programming	I & ECE
7	Computer Science Engineering	Computer Practice Laboratory	I & ECE
8	Mechanical Engineering	Engineering Practice Lab	I & ECE
9	Science and Humanities	Physics Laboratory	I & ECE
10	Science and Humanities	Chemistry Laboratory	I & ECE
11	Science and Humanities	Transforms and Partial Differential Equation	II& ECE
12	Science and Humanities	Probability and Random Process	II& ECE

13	Computer Science Engineering	Object Oriented Programming & Data Structures	II& ECE
14	Electrical Engineering	Electrical Engineering and Instrumentation	II &ECE
15	Computer Science Engineering	Object Oriented Programming & Data Structures Lab	II &ECE
16	Electrical Engineering	Electrical Engineering and Control System Lab	II &ECE
17	Science and Humanities	Communication Skills & Personality Development	III&ECE

5. Annual/ semester/choice based credit system (programme wise)

Programme	Specialization	Pattern
B.E	B.E- Electronics and Communication Engineering	Semester based
M.E	M.E. Applied Electronics	Semester based

6. Participation of the department in the courses offered by other departments

S.No	Departments involved	Course offered by the departments	Semester
1	Mechanical Engineering	Engineering Practices Laboratory	I
2	Electrical Engineering	Engineering Practices Laboratory	I
3	Computer Science Engineering	Engineering Practices Laboratory	I
4	Computer Science Engineering	Digital Principles and System Design	I
5	Computer Science Engineering	Digital Lab	I
6	Information Technology	Engineering Practices Laboratory	I
7	Information Technology	Digital Principles and System Design	I
8	Information Technology	Digital Lab	I
9	Computer Science Engineering	Analog and Digital Communication	II
10	Computer Science Engineering	Microprocessor and Microcontroller	II
11	Computer Science Engineering	Microprocessor Lab	II
12	Information Technology	Analog and Digital Communication	II

13	Information Technology	Digital Communication Laboratory	III
14	Information Technology	Principles of Communication	III
15	Information Technology	Microprocessor and Microcontroller	III
16	Information Technology	Microprocessor Lab	III
17	Information Technology	Digital Signal Processing	III
18	Information Technology	Information Theory & Coding	III
19	Information Technology	Embedded Systems	III
20	Electrical Engineering	Communication Engineering	III
21	Computer Science Engineering	Digital Signal Processing	IV

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

S.No	Course name	Participation Institution / Industry
1	Placement Training	1. Training and Placement Officer 2. Focus Academy for Career Enhancement (FACE), Coimbatore.
2	Soft Skills	D-arc, Chennai
3	General Aptitude	Focus Academy for Career Enhancement (FACE), Coimbatore.
4	Mind Tree Innovative Learning Centre,(MILC).	Mind Tree Technologies, Bangalore
5	Massive Open Source Online Courses	Radix Learning Pvt.Ltd. Bangalore.
6	Business English Certification	British English Council.
7	Mission10X workshop	Wipro Limited, Bangalore
8	Information Storage Management (ISM) and Cloud infrastructure Technologies.	ICTACT, Chennai
9	Motivational Talk Programme	1. Idhayam Group of Companies, 2. Harita TVS Technologies Limited, Hosur.

8. Details of courses/programmes discontinued (if any) with reasons: **NIL**

9. Number of teaching posts

Teaching post	Sanctioned	Filled
Professors	04	02
Associate Professors	07	08
Assistant Professors	28	17

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

S. No	Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D. Students guided for the last 4 years
1.	K. Ramesh	M.E., (PhD).	Professor & HOD/ECE	Power System Engineering	13	-
2.	Dr. S.Anantha Padmanabhan	M.E., Ph.D	Professor	Digital Signal Processing	23	-
3.	N.M.Anandhan	M.E.,	Asso.Prof	Applied Electronics	9	-
4.	R.Valarmathi	M.E.,	Asso.Prof	Applied Electronics	11	-
5.	C.Sriramakrishnan	M.E,	Asso.Prof	Applied Electronics	14	-
6.	A.Karthi	M.E.,	Asst.Prof	Applied Electronics	6	-
7.	G.Nanjappan	M.E.,	Asst.Prof	Applied Electronics	6	-
8.	V.Sivaranjini	M.E.,	Asst.Prof	Applied Electronics	7	-
9.	R.M.Surya	M.E.,	Asst.Prof	Applied Electronics	2	-
10.	G.Vadivel	M.E.,	Asst.Prof	Applied Electronics	6	-
11.	S.Venkatesh	M.E.,	Asst.Prof	Communication Systems	3	-
12.	P.Srinivasan	M.E.,	Asst.Prof	Applied Electronics	3	-
13.	Saraswathi.S	M.E.,	Asst.Prof	VLSI Design and Embedded systems	1	-
14.	Anju.S	M.E.,	Asst.Prof	Communication Systems	1	-
15.	S.Imayavalli	M.E.,	Asst.Prof	Applied Electronics	1	-
16.	R.Priyanka	M.E.,	Asst.Prof	VLSI Design	1	-
17.	Somasekar.M	M.E.,	Asst.Prof	Applied Electronics	6	-

18.	M.Mohana Priya	M.E.,	Asst.Prof	Embedded System Technology	3M	-
19.	V. Vishnupriya	M.E.,	Asst.Prof	Communication Systems	3M	-
20.	K.Sureka	M.E.	Asst.Prof	Applied Electronics	3M	-
21.	N. Rupavathi	M.E.,	Asso.Prof	Applied Electronics	8	-
22.	D. Ilamparuthi	M.E.,	Asst.Prof	Applied Electronics	3	-
23.	V. Tharani	M.E.,	Asst.Prof	Applied Electronics	2.4	-
24.	N. Narmatha	M.E.,	Asst.Prof	Applied Electronics	2.4	-
25.	P. Sudha	M.E.,	Asst.Prof	Applied Electronics	7 M	-
26.	S. Lavanya	M.E.,	Asso.Prof	VLSI Design	10.2	-
27.	N. Poorani	M.E.,	Asst.Prof	Applied Electronics	2.4	-

11. List of senior visiting faculty:

S.No	Name	Designation	Organization	Subject handled
1	Dr.Thenappan	Associate Professor	Krishna Institute of Tech, Bangalore.	Wireless Networks
2	Dr.Varaprasad	Scientist.	ISRO, Satellite Centre, Bangalore	VLSI Design
3	Mr.Ankit	Assistant Engineer	All India Radio, Dharmapuri	Antennas and Wave Propagation
4	Dr.Mahadevan	Professor	MS Ramaiah Institute of Technology, Bangalore	Electromagnetic waves and wave guides

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

NIL

13. Student -Teacher Ratio (programme wise)

Name of the programme	No. of faculty	No. of students	Student-Teacher Ratio
B.E	24	281	1:15
M.E	3	11	1:10

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

S.No	Type of Staff	Sanctioned	Filled
1	Academic Support Staff (Technical)	08	07
2	Administrative Staff	02	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

No. of Faculty with DSc/D.Litt/Ph.D	No. of Faculty pursuing Ph.D	No. of Faculty with PG (M.E/M.Tech)
1	2	24

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Faculty name	Project title	Customer	Funds received	Status
K.Ramesh Associate Professor	MODROB Edusat /ET Implementation an optimized Virtual Learning Strategy.	Students & Faculty	Rs.500000	Completed
G.Vadivel Assistant Professor	TNSCST	Students	Rs.6000	Completed
K.Ramesh Associate Professor	AICTE-Seminar Grant on Signals, Systems and Communication	Students & Faculty	Rs.75000	Completed
K.Ramesh Associate Professor	(EACS)- Entrepreneurship Awareness Camp for Students	Students	Rs.11500	Completed

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Academic Year 2014-2015 (Grants Applied):

S.No	Project Name	Funded by	Total Grands
1	PCB design and fabrication process	IEI	2,52,000
2	Development of unmanned aerial vehicle for pesticide spray in agriculture	IEI	2,25,000
3	Advancements in signal processing and communications	AICTE	60000

4	Advanced computing and communications	AICTE	65000
5	Conference on advanced engineering materials	AICTE	1,00,000
6	Weather fore casting modeling for application of DSP techniques	AICTE	6,00,000
7	EDUSAT/ETV implementation an optimized virtual learning strategy	AICTE	8,00,000

Grants-Received Academic Year (2013-2014):

S. No	Project name	Funded by	Total grants
1	Seminar Grant on Signals, Systems and Communication	AICTE	Rs. 75,000
2	Modeling and Simulation Studies for Electronics and Communication Engineering	ISRO	Rs. 40,000
3	Faculty Development programme on Digital Image Processing using MAT LAB	Anna University of Technology, Coimbatore	Rs. 70,000
4	FDP on OPTICAL COMMUNICATION AND OPTICAL NETWORKS	Anna University, Chennai	Rs. 75,000
5	FDP on Signals and system	Anna University, Chennai	Rs.35000

18. Research Centre / facility recognized by the University:

NIL

19. Publications:

S. No.	Name of the faculty	No. of publications	Monographs	Chapter in books	Books edited	Books with ISBN/ISSN numbers with details of publishers	Citation index	SNIP (source normalized impact per person)	SJR (scimago journal rank)	No. of publications with impact ctor	No. of publications with h-index
1	K. Ramesh	-	-	-	-	-	-	-	6	-	-
2	S. Ananda Padmanabban	-	-	-	-	-	-	-	-	-	-
3	N.Rupavathi	-	-	-	-	-	-	-	8	-	-
4	N.M.Anandhan	-	-	-	-	-	-	-	-	-	-
5	A.Karthi	-	-	-	-	-	-	-	2	-	-
6	G.Nanjappan	-	-	-	-	-	-	-	2	-	-
7	V.Sivaranjini	-	-	-	-	-	-	-	2	-	-
8	G.Vadivel	-	-	-	-	-	-	-	2	-	-

9	S.Venkatesh	-	-	-	-	-	-	-	1	-	-
10	P.Srinivasan	-	-	-	-	-	-	-	2	-	-
11	D.Ilamparuthi	-	-	-	-	-	-	-	3	-	-
12	C.Sriramakrishnan	-	-	-	-	-	-	-	-	-	-
13	R.valarmathi	-	-	-	-	-	-	-	2	-	-
14	R.Priyanka	-	-	-	-	-	-	-	1	-	-
15	S.Imayavalli	-	-	-	-	-	-	-	3	-	-
16	S Saraswathi	-	-	-	-	-	-	-	2	-	-
17	S.Anju	-	-	-	-	-	-	-	4	-	-
18	M.Somasekar	-	-	-	-	-	-	-	9	-	-
19	R.M.Surya	-	-	-	-	-	-	-	2	-	-
20	K.Sureka	-	-	-	-	-	-	-	8	-	-
21	V.Vishnupriya	-	-	-	-	-	-	-	4	-	-
22	M.Mohanapriya	-	-	-	-	-	-	-	4	-	-
23	V. Tharani	-	-	-	-	-	-	-	4	-	-
24	N. Narmatha	-	-	-	-	-	-	-	4	-	-
25	P. Sudha	-	-	-	-	-	-	-	4	-	-
26	S. Lavanya	-	-	-	-	-	-	-	4	-	-
27	N. Poorani	-	-	-	-	-	-	-	4	-	-

Faculty Publications:

S. No	Name of the faculty	Title	Publisher	Month and Year
Academic Year 2011-12				
1	N.Ranjan	Frequency invariant beam patterns using fractional fourier transform.	IJMRAE	Nov 2011
2	N.Ranjan	Fractional Fourier transform to new pulse shapes.	NCASP	November 2011
3	K.Ramesh	A robust digital image watermarking scheme using DWT-DCT-SRD.	NCASP	November 2011
4	K.Ramesh	Design of dielectric -conductor cascade material for maximum electromagnetic reflectivity.	NCASP	November 2011
5	N.Ranjan	Adaptive non-liner filtering technique for image restoration.	International journal of computer science	January 2011
6	K.Ramesh	Estimations of reflectivity and shielding effectiveness of three layered laminated electromagnetic shield at X-band.	PIER B	May 2011
7	N.Ranjan	Analysis of reflectivity and S.E of absorbing material conductor laminate for electromagnetic compatibility, JEMAA.	Scientific Research, JEMAA	May 2011
8	N.Ranjan	Analysis of shielding effectiveness of single, double and laminated shields for oblique incidence of EM waves.	PIER B	June 2011
9	K.Ramesh	Implementation of different FIR high pass filters using fractional Kaiser window	ICSPS	June 2011

Academic Year 2012-2013				
10	N.Ranjan	A non-blind watermarking using hybrid technique for copy right protection.	PES Institute of technology	July 2012
11	N.Ranjan	Development of a three layered laminate for better EMC performance at X-band.	Springer	September 2012
12	K.Ramesh	Effect of material parameters on shielding parameters of a three layered laminate E.R shield at X- band.	IEEE	October 2012
13	K.Ramesh	A robust digital image watermarking scheme using Hybrid DWT-DCTSVD technique.	IJCSNS	October 2012
14	K.Ramesh	Low side lobe pattern synthesis using fractional Fourier transform.	IJAER, Research India publications	November 2012
15	N.Ranjan	A semi blind watermarking scheme using DCT and SVD.	Gurunanak college, Hyderabad	June 2012
16	N.Ranjan	Realization of a parallel operating SIMD-MIMD architecture for image processing application.	ICCCET, IEEE	March 2013
17	N.Ranjan	Implementation of 2D FrFT from 1D FrFT to an image IJERIA.	IJERIA, Ascent publications	May 2013
18	K.Ramesh	Frequency invariant beam patterns using fractional Fourier transform.	IJMRAE	MAR 2013
19	K.Ramesh	An adaptive model for blind image restoration using Bayesian approach.	International journal of informatio n technology	January 2013
Academic Year 2013-2014				
20	N.Ranjan	Analysis of biological signals using wavelet coefficients for finding the cardiac diseases and their severity.	IJIES	July- december 2013
21	K.Ramesh	Mathematical modeling of modified gain extended Kalman filter used for underwater target.	IJSAT	July 2011
22	N.Ranjan	Wavelet transforms EDNSS LMS adaptive filters for echo and noise cancellation in speech signal.	IJECE	August 2013
23	N.Ranjan	Doppler bearing passive target detection using modified gain Kalman filter.	IJIES	August 2013
24	N.Ranjan	Quadruple precision floating point core Verilog	IJSAT	October 2013
25	K.Ramesh	VLSI implementation of pipelined data encryption standard in Verilog	GITA University, Haryana	October 2013
26	K.Ramesh	VLSI implementation of pipelined data encryption standard in Verilog	IETET	October 2013
27	Dr. Ramesh T.K.	Fingerprint Recognition using Minutia Score Matching	International journal of computer science	July 2012

28	N.Ranjan	Despeckling sar images in compressed domain with local homogeneous segmentation.	International journal of informatio0n technology	July 2012
29	B.N.Sarkar	Improved sigma filter for speckle filtering of SAR imagery	Scientific Research, JEMAA	August 2012
30	N.Rupavathi	Image processing and face recognition	RSPS, Dept. of ECE, K.L. University	August 2012
31	DR. Ramesh T.K.	A semi blind watermarking using DCT and SVD, national conference on image processing.	International journal of informatio0n technology	September 2012
32	R.Valarmathi	Analysis on performance of frequency invariant beam formers by using discrete window based FIR filters.	Gurunanak engineering college	September 2012
33	N.M.Anandhan	A semi blind watermarking scheme using DCT and SVD.	Gurunanak college, Hyderabad	September 2012
34	N.Ranjan	Estimations of reflectivity and shielding effectiveness of three layered laminated electromagnetic shield at X-band.	PIER B	September 2012
35	Lavanya.S	Frequency invariant beam patterns using fractional fourier transform.	IJMRAE	September 2012
36	N.Rupavathi	Analysis of shielding effectiveness of single, double and laminated shields for oblique incidence of EM waves.	PIER B	September 2012
37	K.Ramesh	Estimations of reflectivity and shielding effectiveness of three layered laminated electromagnetic shield at X-band.	PIER B	October 2012
38	Priti Rishi	A robust digital image watermarking scheme using DWT-DCT-SRD.	NCASP	October 2012
39	R.Valarmathi	Polarimetric image segmentation via maximum-likelihood approximation and efficient multiphase level-sets	IJECE	October 2012
40	Dr. Ramesh T.K.	Segmentation of images by graph cut using kernel k_means	IJIES	October 2012
41	N.M.Anandhan	Interactive image segmentation using an adaptive GMMRF model	International journal of informatio0n technology	November 2012
42	S.Indumadhi	Facial image classification by active learning	Coimbatore Institute of Information Technology	November 2012
43	K.Ramesh	Heterogeneity - projection hard - decision color interpolation using median filter	IJAER, Research India publications	November 2012
44	Priti Rishi	Compression and decompression of encrypted image using wavelet transform	IJIES	November 2012

45	N.Ranjan	Bone marrow cell chromosomes pairing for leukemia diagnosis using integer programming approach	IJECE	November 2012
46	Dr. Ramesh T.K.	Efficient parallel and distributed mining of CBIR by user NPRF	IJESTE	December 2012
47	R.Valarmathi	Emotion Analysis Using Thermal Images Based on Localized Kernel Eigen Spaces	IJIES	December 2012
48	B.N.Sarkar	Integrated Genetic Network Programming and mining classifier for Intrusion Detection using Probability Density Function	International journal of information technology	December 2012
49	M.G.Shyamala	Structure Preserving Image Retargeting With Compression Assessment and Adaptive Registration	Coimbatore Institute of Information Technology	January 2012
50	Dr. Ramesh T.K.	Lossless visible watermarking using compound mapping	IJESTE	January 2012
51	Priti Rishi	Low power map processor design for convolutional turbo decoding	IJECE	January 2012

Academic Year 2014-2015

S.No	Faculty Name	Journal name	Title of journal	Impact factor	Date	College name
1	Mohana Priya.M	International Journal of Applied Engineering And Research	Neuro fuzzy algorithm for invisible watermarking in color images	1.82	April 2015	K.S.R college of engineering
2	Sureka.K	International journal of engineering research and applications	Avessel tracking system for the robust extraction of vascular network connectivity in retinal images	1.69	March 2015	Jayam College of Engineering And Technology
3	Vishnu priya.V	International journal of applied engineering and research	An improve forward aware factor based energy balanced routing method for wsn (IFAF-EBRM)	1.82	April 2015	Muthayammal College of Engineering
4	Valarmathi.R	National conference	Efficient architecture for proposed VLIW for high performance in SBST technology.		Feb.2015	SRS College of Engineering and Technology

20. Areas of consultancy and income generated : NIL

21. Faculty as members in

S.No	Committees	No.of faculty	
1	National Committees	ISTE	27
		IETE	01
		IEEE	02
2	International Committees	-	
3	Editorial Boards	-	
4	Paper Settes	-	

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme:

Course	In-house projects percentage (%)
U.G	90
P.G	90

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:

Course	Projects percentage (%)
U.G	10
P.G	10

23. Awards / Recognitions received by faculty and students

S.No	Name of the faculty & designation	Name of the subject	Result achivement	Nature of award	Organization
Academic year 2014-2015					
1.	K.Ramesh	Wireless Sensor Network	96%	Cash Price	JCET
2.	S.Saraswathi	Professional Ethics and Human Values	100%	Cash Price	JCET
3.	G.Nanjappan	Control System	92%	Cash Price	JCET
4.	N.Rupavathi	1.Electromagnetic Fields	84%	Cash Price	JCET
		2. Measurement and Instrumentation	96%		
5.	N.M.Anandan	Electromagnetic Fields	88%	Cash Price	JCET
6.	N.M.Anandan	Medical Electronics	92%	Cash Price	JCET
7.	S.Saraswathi	1.Measurement and Instrumentation	94%	Cash Price	JCET
		2. Medical Electronics	91%		
8.	P.Srinivasan	1.VLSI Design	92%	Cash Price	JCET
		2.Wireless Network	89%		

9.	R.Vignesh	Pricipals of Management	98%	Cash Price	JCET
10.	S.Imayavalli	1.Antenna and Wave Propagation 2. Medical Electronics	86% 94%	Cash Price	JCET
11.	R.Priyanka	1.VLSI Design 2.Wireless Network	84% 86%	Cash Price	JCET
12.	D.Ilamparuthi	1.Pricipals of Management 2.Wireless Sensor Network	98% 91%	Cash Price	JCET
13.	R.Valarmathi	.Measurement and Instrumentation	100%	Cash Price	JCET
14.	S.Anju	1.Antenna and Wave Propagation 2.Wireless Sensor Network	81% 87%	Cash Price	JCET
15.	M.Somasekar	VLSI Design	91%	Cash Price	JCET
16.	B.Karthi	Pricipals of Management	91%	Cash Price	JCET
17.	A.Karthi	Wireless Network	83%		
Academic year 2013-2014					
1.	K.Ramesh	Microprocessor and Microcontroller	85%	Cash Price	JCET
2.	R.Valarmathi	Electrical Engineering	98%	Cash Price	JCET
3.	S.Indhumathi	Electromagnetic Fields	81%	Cash Price	JCET
4.	N.Rupavathi	Embedded System	97%	Cash Price	JCET
5.	G.Nanjappan	Electromagnetic Fields	96%	Cash Price	JCET
6.	K.Venkatesan	1.Electronics Circuits - I 2.Microwave Engineering	85% 97%	Cash Price	JCET
7.	V.Sivarajini	1.Microprocessor and Microcontroller 2.Computer Hardware and interfacing	88% 89%	Cash Price	JCET
8.	G.Vadivel	1.Microprocessor and Microcontroller	80%	Cash Price	JCET
9.	R.M.Surya	1.Optical Communication 2.DigitalCommunication	93% 83%	Cash Price	JCET
10.	M.S.Karthikeyan	Computer Hardware and interfacing	88%	Cash Price	JCET
11.	P.Srinivasan	Microprocessor and its Applications	85%	Cash Price	JCET
12.	N.M.Anandan	1.Advanced Microprocessor 2.Aircraft and Electronics and microprocessor	95% 81%	Cash Price	JCET
13.	Priti Rishi	1.Optical Communication 2.Wireless Networks	91% 98%	Cash Price	JCET
14.	M.G.Shyamala	1.Embedded System	97%		
Academic year 2012-2013					
1.	K.Ramesh	1.Disaster Management 2.Pricipals of Management	98% 100%	Cash Price	JCET
2.	R.Valarmathi	Digital Image Processing	88%	Cash Price	JCET

3.	S.Indhumathi	1.Communication theory 2.Digital Signal Processing	80% 98%	Cash Price	JCET
4.	A.Karthi	Advanced Microprocessor	93%	Cash Price	JCET
5.	N.Rupavathi	Wireless Network	92%	Cash Price	JCET
6.	G.Nanjappan	Control System	88%	Cash Price	JCET
7.	K.Venkatesan	1Electronics Circuits - II	87%	Cash Price	JCET
8.	V.Sivarajini	1.Cellular and Mobile 2.High Speed Networks Communication	97% 97%	Cash Price	JCET
9.	G.Vadivel	1.Antenna and Wave Propagation 2.Measurement and Instrumentation	81% 86%	Cash Price	JCET
10.	M.Sathya	1.Telecommunication and switching networks 2. Electronics Circuits - II	100% 82%	Cash Price	JCET
11.	R.M.Surya	Digital Image Processing	94%	Cash Price	JCET
12.	M.S.Karthikeyan	1.Telecommunication and switching networks 2.Television and Video Engineering	85% 98%	Cash Price	JCET
13.	M.G.Shyamala	1.Microcontroller and RISC Architechture 2.Linear Integrated Circuits	92%	Cash Price	JCET
14.	S.Kalpana	Microprocessor and Microcontroller	89%	Cash Price	JCET
15.	J.Aishwarya	1.VLSI Design 2.Electronic Devices and Circuits	84% 81%	Cash Price	JCET
16.	P.Srinivasan	1.Microcontroller and RISC Architechture 2. Electronics Circuits - II	89% 81%	Cash Price	JCET
17.	N.M.Anandan	1.Cellular and Mobile Communication 2.Medical Eletronics	84% 90%	Cash Price	JCET
18.	N.Deivamalar	1.Antenna and Wave Propagation 2.Signals and System	88% 85%	Cash Price	JCET
19.	Priti Rishi	Wireless Network	98%	Cash Price	JCET
20.	S.Bhuvaneshwari	Linear Integrated Circuits	91%	Cash Price	JCET
21.	S.Venkatesh	1.Communication Switching Techniques 2.Avionics	88% 88%	Cash Price	JCET
22.	B.Karthi	Microprocessor and Microcontroller	87%	Cash Price	JCET
Academic year 2011-2012					
1.	K.Ramesh	Instrumentation Engg	100%	Cash Price	JCET
2.	R.Valarmathi	Measureme.nt and Instrumentation	93%	Cash Price	JCET
3.	S.Indhumathi	1.Signals and System 2.Communication Theory	89% 91%	Cash Price	JCET

4.	N.Rupavathi	Microwave Engineering Wireless Network	87% 98%	Cash Price	JCET
5.	G.Nanjappan	1.Transmissionlines and Waveguides 2. Control System	98% 92%	Cash Price	JCET
6.	K.Venkatesan	1.Optical Communication 2.Electromagnetic Fields	100% 92%	Cash Price	JCET
7.	R.Sivaranjani	1.Pricipals of Communication 2.Digital Communication	81% 82%	Cash Price	JCET
8.	G.Vadivel	1.RF	100%	Cash Price	JCET
9.	M.Sathya	1.Electronics circuits-I 2.Electronics circuits-II	85% 94%	Cash Price	JCET
10.	M.S.Karthikeyan	Computer Networks	100%	Cash Price	JCET
11.	M.G.Syhamala	Microcontroller and RISC Architecture	93%	Cash Price	JCET

Awards/Recognition Received by Students:

S.No.	Name of the students	Nature of Programme/Workshop/Seminar/Conference/Symposium	Nature of award	Organizations / Institution
Academic year 2014-2015				
1	1.M.Sowmiya 2.Z.Aabetha 3.K.Jeevanadiya 4.M.Divaya 5.J.Vijayashanthi 6.R.Sathyapriya 7.M.Sweatha	Guinness Record (appreciation)	Participation Award	Largest Human Currency symbol-India
2	1.M.Ajithkumar 2.N.Dhenakaran 3.G.Ishwarya 4.S.Elavarasi 5.M.Kanniyammal 6. M.Divaya. 7.V.Komathi 8.P.M.Pavithrau. 9.U.Marry Keerthana	Workshop	Participation Award	Ethical Hacking & Counter Measures
3	1.K.Kamalakannan 2.M.Divaya	Workshop	Participation Award	Fundamentals of Signals and Systems workshop.AVS Engg College. 2.ISBCC-15
4	1.M.Revathi 2.R.Sathyapriya 3. M.Sweatha	Best Student Award(2014)	Participation Award	Coimbatore Region For Engg Students
5.	1.R.Sathyapriya 2.J.Vijayashanthi	International Symposium	Participation Award	School of Computing Science and EngineeringVIT Chennai
6	Z.Aabetha	Symposium	Participation Award	National Level Technical Symposium, AECE-GCE, Bargur.

7	Z.Aabeetha	1.Paper Presentation (III) 2.Paper Presentation (I)	Participation Award	1. Govt.college of Engg.Bargur. 2. Narasus sarathy institute of technology.
8	B.Rajesh	Workshop	I II	1. Govt. college of Engg . Bargur. 2. A.C. College of Engg & Technology. 3. A.C.College of Engg & Technology
Academic year 2013-2014				
1	B.Rajesh	Paper Presentation	Participation Award	A.C college of Technology

university Rank Holder
rs in

B.E-ECE

Academic Year	University	Student Name	Rank
2013-2014	Anna University	Shalma M H	8
		Anjum Begum A	22
		Sudha P	28
		Bharathi G	40
		Shalma M H	8
		Anjum Begum A	22
2012-2013	Anna University	Kowshiga S	49

University Rank Holders in M.E-Applied Electronics

Academic Year	University	Student Name	Rank
2013-2014	Anna University	Sathiyavani G	18
		Madhumathi M	20
		Sureka K	30
		Surya S	39
		Mamaragatham R	46
		amali J	47
2012-2013	Anna University	Zaheedha Begum M	20
		Tharani V	29

Sports Achievements

S.No	NAME	GAME	LEVEL	PLACE
Academic Year 2014-2015				
1.	B.Rajesh	Ball Badminton	Zonel Tournaments	I
2.	R.Sathyapriya	Ball Badminton	Inter College	II
3.	R.Sathyapriya	Shot Pot	Inter College	II
4.	M.Sweatha	Volley Ball	Inter College	I

24. List of eminent academicians and scientists / visitors to the department

S.NO	Name of the Academician / Scientist/ Industrialist	Designation	Organization	Purpose of visit
Academic Year 2015-2016				
1	V.Loganathan, R&D	ECE	ISM,Bangalore	Special lecture on microcontroller programming
2	Dr.Jayanthi Prof.ECE	ECE	Sona college of technology, Salem	Special lecture on digital image processing
3	K. V. Sivaraman Managing Partner	ECE	Samdesa Technologies	Workshop on basic needs of wireless communication and techniques involved.
Academic Year 2014-2015				
1	Prof.R.Mahadevan Scientist,Bangalore	ECE	ISRO	Guest Lecture on Antenna and Wave Propagation
2	Dr.Varaprasad Scientist,Bangalore	ECE	ISRO	Guest Lecture on VLSI Design
3	Ravichandar Dhakshana moorthy,CEO	ECE	JSW Steel Limited,Salem	XETA National level Conference
4	Mr.V.Sakthivel, Assistant Professor	ECE	Paavai Engineering college	ATMEL Microcontroller in Embedded Design
5	Prof.Somnath Sengupta Prof. ECE	ECE	IIT Kharagpur.	Signals and Systems
6	Thangavel.S Additional Engineer	ECE	BSNL, Salem.	Fundamentals of Telecommunication
7	Dr.R.S.D.Wahidha Banu, Principal	ECE	Government College of Engineering, Salem.	Electromagnetic Fields
8	Mr. Vibore Gupta Sr Corporate Trainer,	ECE	Kyrion Robo Works, Delhi.	Robotics
9	Mr.S.P.Ramanathan Senior Design Engineer	ECE	Enixs Technology, Bangalore	Workshop on recent trends in Embedded systems
10	Dr. P. Lova Raju, Sr.engineer	ECE	LBRCE Mylavaram	Guest Lecture on "Recent Developments in Aerospace Engg."
11	P.Kiran Kumar Sr. Logic Design Engineer	ECE	VLSI Corner	Workshop on VLSI design and implementation
Academic Year 2013-2014				
1	R.Arangasamy HOD/ECE	ECE	Paavai Engineering College, Namakkal	Bio Medical Signal Processing
2	Prof. Christie Manoraj. Professor	ECE	GCE-Salem	A one day Workshop on Embedded Systems

3	A.Elaya Perumal Professor	ECE	Anna University,Chennai	XETA National level Conference
4	B.George De Bel Sr.Design Engineer	ECE	Honey well Technology.	A one day Workshop on ASIC/FPGA System Design
5	Prof.Ranjan Professor	ECE	Jayam college of Engineering and Technology	Two day workshop on Digital image Processing
7	Dr.K.R.Murali Research scientist	ECE	Central Electro Chemical Research Institute, Karaikudi	Simulation of Electronic circuits using LABVIEW
8	Sathish kumar Director	ECE	VEE xplore, Coimbatore	Analog,Digital &Mixed VLSI Design
Academic Year 2012-2013				
1	Dr.R.S.Sabeenian Professor	ECE	Sona college of technology, salem	One day workshop on Digital image Processing
2	Dr.R.S.D.Wahidha Banu, , Principal	ECE	GCE salem	A oneday Seminar on Wireless Technology
3	Dr.RSD.Wahidha Banu, Principal	ECE	GCE salem	XETA National level Conference
4	Mr.G.Manoj Ms.Grace Jency	ECE		National workshop on IC System Design
5	Mr.Ramesh Lokshmi General Manager	ECE	BSNL-Dharmapuri	A oneday Workshop on Wireless transmission system
6	Mr.Suresh Reddy JTO	ECE	BSNL-Pennagaram	A oneday Workshop on Broad Band Technologies
7	Mr.C.P.Manas JTO	ECE	BSNL-Dharmapuri	GSM(2G/3G) CDMA
8	Dr.B.Venkatesan Director(R&D)	ECE	Nanotech	A oneday Seminar on LED'S
9	Mr.R.N.Chirania Manager	ECE	Eu.cube Bangalore	A oneday workshop on Technical Presentation on technologies and Academic projects
10	Mr.S.Prabakar Director	ECE	Cogent Automation,Chennai	Seminar on PLC and SCADA
11	Mr.Harikrishnan.G Director,	ECE	Zetta one technologies Bangalore	"Digital Image Processing & Lab Practice"
12	Mr.Sundersan.G R&D	ECE	Sands instrumentation Pvt.Ltd.chennai.	Basic challenges in digital signal processing and working filters of Matlab
13	Mr.Jayakanth.R Sr.application engineer	ECE	Computer India Coimbatore	Program on Working of medical electronics instruments

14	Mr.Krishna.G Technical head	ECE	Adityaa Semiconductor bangalore	One day workshop on development of semiconductors and its applications
Academic Year 2011-2012				
1	DR.S.Rashavan Professor	ECE	NIT Trichy	XETA National level Conference
2	Mr.Arul Murugan Manager	ECE	Micro Tech Pvt.ltd Coimbatore	A one day Seminar on Embedded System
3	K.Vaithinathan, Manager	ECE	RR Circuit solution Hosur	Two day Workshop on PCB Design and Process
4	Mr.Mohanatha Sankar Application Engineer	ECE	Lab tech ,Chennai	IETE Chapter workshop on Graphical System design using Lab View
5	Mr.Rajasekar Director	ECE	Rana Solutions Salem.	Guest Lecture on Embedded System
6	Prabhu.R Director	ECE	G-power chennai	Research Challenges - VLSI Design
7	P.Padmaloshani Associate Professor	ECE	Paavai Engineering College, Namakkal	Process Control & Instrumentation
8	Sri S. R. T. Rama Swamy Executive Manager	ECE	Efftronics Systems Pvt. ltd.	PIC Microcontrollers for Embedded Systems

25. Seminars/ Conferences/Workshops organized & the source of funding

S. No	Seminars / Conferences / Workshops organized	Title of the program	Source of funds
Academic Year 2014-2015			
1	Guest Lecture	Guest Lecture on Antenna and Wave Propagation	Jayam college of Engineering and Technology
2	Guest Lecture	Guest Lecture on VLSI Design	Jayam college of Engineering and Technology
3	Conference	XETA National level Conference	Jayam college of Engineering and Technology
4	Workshop	ATMEL Microcontroller in Embedded Design	Jayam college of Engineering and Technology
5	Workshop	Signals and Systems	Jayam college of Engineering and Technology
6	Workshop	Fundamentals of Telecommunication	Jayam college of Engineering and Technology
7	Guest Lecture	Electromagnetic Fields	Jayam college of Engineering and Technology

8	Workshop	Robotics	Jayam college of Engineering and Technology
9	Workshop	Workshop on recent trends in Embedded systems	Jayam college of Engineering and Technology
10	Workshop	Guest Lecture on Recent Developments in Aerospace Engg.	Jayam college of Engineering and Technology
11	Workshop	Workshop on vldi design and implementation	Jayam college of Engineering and Technology
Academic Year 2013-2014			
1	Guest Lecture	Bio Medical Signal Processing	Jayam college of Engineering and Technology
2	Workshop	A one day Workshop on Embedded Systems	Jayam college of Engineering and Technology
3	Conference	XETA National level Conference	Jayam college of Engineering and Technology
4	Workshop	A one day Workshop on ASIC/FPGA System Design	Jayam college of Engineering and Technology
5	Workshop	Two day workshop on Digital image Processing	Jayam college of Engineering and Technology
6	Seminar	'Simulation of Electronic circuits using LABVIEW'	Jayam college of Engineering and Technology
7	Guest Lecture	Analog, Digital & Mixed VLSI Design	Jayam college of Engineering and Technology
Academic Year 2012-2013			
1	Workshop	IETE student chapter oneday workshop on Digital image Processing	Jayam college of Engineering and Technology
2	Seminar	A oneday Seminar on Wireless Technology	Jayam college of Engineering and Technology
3	Conference	XETA National level Conference	Jayam college of Engineering and Technology
4	Workshop	National workshop on IC System Design	Jayam college of Engineering and Technology
5	Workshop	A oneday Workshop on Wireless transmission system	Jayam college of Engineering and Technology
6	Workshop	A oneday Workshop on Broad Band Technologies	Jayam college of Engineering and Technology
7	Lecture	GSM(2G/3G) CDMA	Jayam college of Engineering and Technology
8	Seminar	A oneday Seminar on LED'S	Jayam college of Engineering and Technology
9	Workshop	A oneday workshop on Technical Presentation on technologies and Academic 10projects	Jayam college of Engineering and Technology
10	Seminar	minar on PLC and SCADA	Jayam college of Engineering and Technology

11	Workshop	Digital Image Processing & Lab Practice	Jayam college of Engineering and Technology
12	Seminar	Basic challenges in digital signal processing and working filters of Matlab	Jayam college of Engineering and Technology
13	Workshop	Program on Working of medical electronics instruments	Jayam college of Engineering and Technology
Academic Year 2011-2012			
1	Conference	XETA National level Conference	Jayam college of Engineering and Technology
2	Seminar	A one day Seminar on Embedded System	Jayam college of Engineering and Technology
3	Workshop	Two day Workshop on PCB Design and Process	Jayam college of Engineering and Technology
4	Workshop	IETE Chapter workshop on Graphical System design using Lab View	Jayam college of Engineering and Technology
5	Guest Lecture	Guest Lecture on Embedded System	Jayam college of Engineering and Technology
6	Workshop	Research Challenges - VLSI Design	Jayam college of Engineering and Technology
7	Workshop	Process Control & Instrumentation	Jayam college of Engineering and Technology
8	Workshop	PIC Microcontrollers for Embedded Systems	Jayam college of Engineering and Technology

26. Student profile programme/course wise:

Academic Year	Name of the Course / programme	Applications received	Selected	Enrolled	
				*M	*F
2008-2012	B.E (Electronics and Communication Engineering)	115	115	67	48
2009-2013		116	116	77	39
2010-2014		123	123	63	60
2011-2015		147	147	83	64
2010-2012	M.E(Applied Electronics)	17	17	8	9
2011-2013		17	17	8	9
2012-2014		18	18	8	10
2013-2015		14	14	4	10

*M = Male *F = Female

27. Diversity of Students

Academic year	Name of the course	% of students from the same state	% of students from other States	% of students from abroad
2008-2012	B.E(Electronics and Communication Engineering)	88.7%	11.3%	--
2009-2013		98.3%	1.7%	--
2010-2014		95.93%	4.07%	--
2011-2015		100%	0%	--
2010-2012	M.E(Applied Electronics)	82.35%	17.65%	--
2011-2013		100%	0%	--
2012-2014		94.5%	4.5%	--
2013-2015		100%	0%	--

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Academic year	Name of the Course	No of students				
		GRE	CAT/ GMAT	GATE/ TANCET	Ph.D	Group
2014-2015	UG	-	-	5	-	2
	PG	-	-	-	-	-
2013-2014	UG	-	-	18	-	-
	PG	-	-	-	-	6
2012-2013	UG	-	-	15	1	4
	PG	-	-	-	-	-
2011-2012	UG	-	-	13	-	5
	PG	-	-	-	-	-

29. Student progression

Student progression	Against % enrolled			
	2014-2015	2013-2014	2012-2013	2011-2012
UG to PG	13	11	10	12
PG to M.Phil.	NIL			
PG to Ph.D.	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-
Employed details				
Campus selection	60	45	40	60
Other than campus recruitment	40	45	40	30
Entrepreneurship/Self-employment	12	5	13	9

30. Details of Infrastructural facilities

a) Library:

S.No	Particulars	ECE
1	Plinth Area	33 Sq.m
2	Book Volumes	611
3	National journals	18
4	International Journal(UG&PG)	20
5	Titles	1035
6	Project Reports	416

b) Internet facilities for staff & students:

Internet provider	Available bandwidth	No.of computers
BSNL	20 Mbps	144

c) Class rooms with ICT facilities: 02

d) Laboratories:

14 No's of Exclusive Laboratories for ECE students.

S. No	Name of the laboratory	Total Area (SQ. m)	Investment
1.	Engineering practice lab/ circuits and devices lab	92.01	7,97,019.00
2.	Electronic Circuits I lab /electronic circuits ii and simulation lab	72.49	5,70,706.00
3.	Digital electronics lab	92.01	2,25,391.00
4.	Data structure , modeling & simulation lab	90.90	12,03,697.00
5.	Linear Integrated circuit lab	72.49	5,38,076.00
6.	Networks Lab	61.34	16,10,232.00
7.	Analog and Digital Communication Lab	61.34	12,02,816.00
8.	VLSI lab	72.49	6,72,310.00
9.	Microprocessors and Microcontroller Lab	92.01	9,23,170.00
10.	Digital Signal Processing Lab	92.01	16,74,953.00
11.	Microwave and Optical Communication Lab	61.34	4,87,247.00
12.	Electronic System Design Lab	72.49	9,26,307.00
13.	Electronic Design Lab I &II	72.49	12,52,919.00
14.	Research Laboratory	72.49	4,99,275.00

31. Number of students receiving financial assistance from college, university, government or other agencies

Agency	Number of student received financial assistance			
	Academic Year			
	2011-2012	2012-2013	2013-2014	2014-2015
College	6	6	6	6
University	-	6	7	-
Government	246	280	184	231
Other Agencies (MindTree)	-	-	-	6

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

S. No	Title of the programme	Special lectures/ Workshops/ Seminar	Resource person	Date(s)	No. of Student Benefited
Academic Year 2014-15					
1	Guest Lecture on Antenna and Wave Propagation	Guest Lecture	Prof.R.Mahadevan	17 th March 2015	157
2	Guest Lecture on VLSI Design	Guest Lecture	Dr.Varaprasad Scientist,Bangalore	23 rd April 2015	150
Academic Year 2013-14					
1	A one day Workshop on Embedded Systems	Workshop	Prof.Christie Manoraj. GCE-Salem	12 th January 2013	120
2	A one day Workshop on ASIC/FPGA System Design	Workshop	B.George De Bel Sr.Design Engineer Honey well Technology.	6 th January 2013	120
3	Two day workshop on Digital image Processing	Workshop	Prof.Ranjan	9 th and 10 th October 2013	52
4	IETE student chapter one day workshop on Digital image Processing	Workshop	Dr.R.S.Sabeenian	4 th Feb 2013	70
5	A one day Seminar on Wireless Technology	Seminar	Dr.R.S.D.Wahidha Banu, Principal, GCE Salem	13 th Feb 2013	220
6	National workshop on IC System Design	Workshop	Mr.G.Manoj Ms.Grace Jency	14 th Feb 2013	120

7	A one day Workshop on Wireless transmission system	Workshop	Mr.Ramesh Lokshmi General Manager BSNL-Dharmapuri	22th Feb 2013	180
8	A one day Workshop on Broad Band Technologies	Workshop	Mr.Suresh Reddy JTO BSNL-Pennagaram	25th Feb 2013	250
9	GSM(2G/3G) CDMA	Guest Lecture	Mr.C.P.Manas JTO-BSNL	1 st March 2013	256
10	A one day Seminar on LED'S	Seminar	Dr.B.Venkatesan Director(R&D) Nanotech	12 th October 2012	120
11	A one day workshop on Technical Presentation on technologies and Academic projects	Work shop	Mr.R.N.Chirania Manager ,Eu.cube Bangalore.	30 th July 2012	118
Academic Year 2012-13					
1	Seminar on PLC and SCADA	Seminar	Mr.S.Prabakar Director Cogent Automation, Chennai	6 th August 2012	118
2	A one day Seminar on Embedded System	Seminar	Mr.Arul Murugan Micro Tech Pvt. Ltd Coimbatore	29 th August 2011	130
3	Two day Workshop on PCB Design and Process	Work shop	K.Vaithinathan, RR Circuit solution Hosur	29 th & 30 th August 2011	115
4	IETE Chapter workshop on Graphical System design using Lab View	Work shop	Mr.Mohanatha Sankar Kumar Application Engineer Lab tech, Chennai	12 th September 2011	120
5	Guest Lecture on Embedded System	Guest Lecture	Mr.Rajasekar Rana Solutions Salem.	14 th September 2011	115

33. Teaching methods adopted to improve student learning
To improve student learning we adopt various methods like;
- Invited lectures have been arranged on soft skills, personality development and communication skill.
 - Conduction of guest lecture on a regular basis for tough subjects by experts from other reputed institutions.
 - Students have been grouped with the aim to discuss the latest happenings in the field of interest.

- Organizing Group discussions, Technical Quizzes, and Mini Project contest
- Based on the feedback received from students extra care is given to the shortcomings.
- Some senior faculty members have been assigned to focus on the grievances of students.
- Development of student support material for poor learners and enthusiastic learners.
- Formulation of study groups to improve peer group interaction.
- Organizing coaching classes for GATE examinations and placement tests.
- Support of Add-on-courses like CCNA and MATLAB to reinforce theoretical learning.
- Toppers among students are encouraged to give seminars to the slow learners
- Peer learning method is adopted to help our slow learning students to score better.
- A structured learning process is followed with Chalk and talks method and also includes tutorial classes at regular intervals and assignments are also arranged by the faculty.
- Faculties are trained an entry-level programmer to understand the basics of Procedural Programming using the C Language.
- Faculties are trained an entry-level programmer to understand the basic building blocks of the Java programming language and to develop rudimentary object-oriented applications using the Java Language with help of Mind tree IT services, Bangalore.
- Conducting Pre-placement training programs and Value Added programmes for improving soft skills in students by external & internal experts.
- Encouraging students to participate/Present in Technical fests/Symposiums and National/ International Conferences.
- Providing extra lab practice experiments to all the students to improve the practical skills along with regular curriculum.
- Arranging workshops/guest lecturers to students by eminent personalities from academic institutions and Industry to enhance the knowledge of student.

- Encouraging the students to deliver a seminar on topic related to subject in the allotted period.
- Practical implementation of theoretical study will be made by organizing industry visits.
- Providing opportunities to develop their creativity by organizing national level cultural, literary, and technical and sports competitions.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

S. No	Name of the activity	Venue	Date(s)	No. of students participated
Academic Year 2011-2012				
1	Independence Day	JCET	15.08. 2011	50
2	Blood Donation Camp	JCET	24.07.2011	81
3	Eye screening camp	JCET	06.10.2011	250
4	Cadre Camp	Anna University	09.02.2012 & 10.02.2012	41
5	Swimming Camp	Rajaji Swimming Pool at Dharmapuri.	16.02.2012	38
3.6	C' Certificate Examination	Anna University	25.02.2012 & 26.02.2012	15
7	B' Certificate Examination	Anna University	10.03.2012 & 11.03.2012	8
8	Firing Training	Air Force Thambaram	Air Force	7
Academic Year 2012-2013				
1	Campus cleaning	JCET	17.06.2012	50
2	Blood Donation Camp	JCET	01.09.2012	75
3	NSS day celebration	JCET	24.09.2012	100
4	Tree plantation	JCET	25.09.2012	50
5	National cancer awareness camp	JCET	07.11.2012	50
6	AIDS day awareness	JCET	01.12.2012	100
7	Road safety awareness	JCET	25.12.2012	50
8	Child labor awareness	JCET	05.06.2013	50
9	National voter day	JCET	21.06.2013	50
10	Women's day	JCET	08.03.2013	100

Academic Year 2013-2014				
1	Blood Donation Camp	JCET	24.09.2013	90
2	Campus cleaning	JCET	04.10.2013	100
3	National voter day	JCET	24.01.2014	100
4	Special camp	Kuthapadi village, Pennagaram	15 to 21.03.2014	50
5	NCC Day	JCET	22.11.2013	52
6	Save power Energy	JCET	22.11.2013	44
7	Combined Annual Training Camp	KSR College of Engineering.	21.06.2013	24
Academic Year 2014-2015				
1	Blood Donation Camp	JCET	24.09.2014	108
2	Swacha Bharat abiyaan	JCET	01.10.2014	100
3	Tamil manne vanakam	JCET	30.10.2014	800
4	National voter day	JCET	24.01.2015	150
5	YRC Blood donation camp	JCET	04.02.2015	101
6	Thandai periyar movie	JCET	05.03.2015	250
7	Eye screening camp	JCET	11,12.03.2015	450
8	Combined Annual Training Camp	Holy cross Hr Sec. School, Salem	26.09.2014	10
9	National yoga day	JCET	21.06.2015	50

b) Training imparted to the local public :

- Road safety and Traffic rules campaign conducted on 03.03.2014 in JCET campus.
- Rain water harvesting awareness program conducted for students on 03.03.2012 in JCET campus
- Clean India campaign conducted on 03.08.2014 in JCET campus.
- Students participate in Pollution awareness programs, Flood victim relief measure, and Health awareness programs in various clubs.
- Promotion of leadership qualities through extra/co curricular activities such as PCC, NSS, YRC.
- Students are regularly participating in Clean and green programs conducted by various welfare organization.
- Students of YRC and NSS actively participate in blood donation camps.

35. SWOC analysis of the department and Future plans

STRENGTH

- Department accredited twice by National Board of Accreditation
- Well qualified, committed faculty members and well trained technical staff members.
- Excellent infrastructure with well-equipped and spacious laboratories.
- UG programme is NBA accredited and permanently affiliated to Anna University, Chennai.
- Highly enabled classrooms for better learning process.
- Good hands-on training for students in recent technological developments.
- Innovative teaching methodology is incorporated.
- Good academic results with University Rank Holders.
- MOUs with leading industries.
- Skill up gradation Program for faculties and supporting staff.
- Group Insurance Facilities for faculty and students.

WEAKNESS

- Lack of experienced faculty members with research orientation
- Number of faculty members doing research work has to be increased.
- Research, consultancy and extension activities need improvement.
- Industry Institution Interaction needs to be strengthened further.
- Hesitation of students to become Entrepreneurs.
- Being in a rural area, it is difficult to strike private or corporate partnerships and Collaborations.
- Lack of full-fledged departmental library.

OPPORTUNITIES

- Student's projects internship is encouraged in industries and National laboratories.
- Innovation in teaching - learning process.
- Preparing students for TANCET, GATE, GRE and AMCAT exam.

- Faculties are encouraged by the department and institution to go for higher qualifications, research and publication of research papers.
- Identify areas of research in the rural scenario.
- With a large student population in the campus, various students related studies are possible.
- The courses provide a good platform for clearing various competitive exams
- Establishing the Centre of Excellence in Emerging areas.

CHALLENGES

- Getting Experienced Faculty members.
- Placing students in more companies.
- Identify areas of research in the rural scenario
- With a large student population in the campus, various students related studies are possible.
- Coping with rapid changing in technology and the industrial requirements to improve the employability of the students are the biggest challenge.
- Establishing the Centre of Excellence in Emerging areas.
- Lack of employment opportunities for students.

FUTURE PLANS

- To motivate the students to secure more university Ranks.
- To enhance Knowledge of the Faculty, staff and students to increase the journal publications.
- To get Deemed University status.
- To Promote Industrial cluster for micro and small industries
- To enhance Industry Institution Interaction to attract leading MNC's to conduct campus recruitment.
- To have collaborative research arrangement.

- Name of the department : **CIVIL ENGINEERING**
- Year of Establishment : **2003**
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

S.No	Programme	Year of establishment
1	B.E.- Civil Engineering	2003
2	M.E.- Structural Engineering	2011

- Names of Interdisciplinary courses and the departments/units involved:

S.No	Departments involved	Courses offered by the other departments
1	CSE	GE6161-Computer Practices Laboratory (I BE CIVIL)
2	EEE	GE6252-Basic Electrical And Electronics Engineering (I BE CIVIL)
		GE6162- Engineering Practices Laboratory (I BE CIVIL)
3	Mechanical	GE6253-Engineering mechanics(I BE CIVIL)
		GE6162- Engineering Practices Laboratory (I BE CIVIL)
		GE6261-Computer Aided Drafting and Modeling Laboratory (I BE CIVIL)
4	ECE	GE6162- Engineering Practices Laboratory (I BE CIVIL)
5	S&H	HS6151-Technical English-I(I BE CIVIL)
		HS6251-Technical English-II(I BE CIVIL)
		GE6563-Communication skills, Laboratory Based (III BE CIVIL)
		MA6151-Mathematics-I(I BE CIVIL)
		MA6251-Mathematics-II(I BE CIVIL)
		MA6351-Transforms and Partial Differential Equation (II BE CIVIL)
		MA6459-Numerical Methods (II BE CIVIL)
		PH6163-Engineering Physics-I(I BE CIVIL)
		PH6251-Engineering Physics-II(I BE CIVIL)
		GE6212- Physics Laboratory-I(I BE CIVIL)
		GE6252- Physics Laboratory-II(I BE CIVIL)
		PH6163- Chemistry Laboratory-I(I BE CIVIL)
GE6252- Chemistry Laboratory-II(I BE CIVIL)		
6	MBA	MG2351-Principles of Management
		CE2451-Engineering Economics and Cost Analysis

- Annual/ semester/choice based credit system (programme wise):

Semester Pattern

6. Participation of the department in the courses offered by other departments:

S.No	Departments	Courses offered
1	IT	GE6162- Engineering Practices Laboratory (I B.TECH IT)
2	CSE	GE6162- Engineering Practices Laboratory (I B.E CSE)
3	EEE	GE6162- Engineering Practices Laboratory (I B.E EEE)
4	AERO	GE6162- Engineering Practices Laboratory (I B.E AERO)
		CE6461-Fluid Mechanics and Machinery Laboratory(II BE MECH)
5	MECH	GE6162- Engineering Practices Laboratory (I B.E MECH)
		CE6461-Fluid Mechanics and Machinery Laboratory(II BE MECH)
		CE6411- Strength of Materials Laboratory (I B.E MECH)
		GE6351-Environmental Science and Engineering (III BE MECH)
6	ECE	GE6162- Engineering Practices Laboratory (I B.E ECE)
7	EEE	GE6252 - Basic Civil and Mechanical Engineering (I B.E EEE)

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:

S.No	Course name	Participating Institution/Industry
1	Placement Training	Focus Academy of Career Enhancement, Coimabtoe
2	Soft skill training	D'arc Placement Training academy, Chennai.
3	Rivet Software	CADD Center, Dharmapuri
4	AutoCADD software	CADD Center, Dharmapuri
5	Entereprenurship orientation program	National Small scale Industries Corporation (NSIC)
6	General Aptitude	Focus Academy for Career Enhancement (FACE), Coimbatore.
7	Motivational Talk Programme	1.Idhayam Group of Companies, 2. Harita TVS Technologies Limited, Hosur.
8	PentaCADD Software	Penta CADD, Dharmapuri

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of Teaching posts:

Designation	Sanctioned	Filled
Professors	04	02
Associate Professors	07	02
Asst. Professors/ Pro Term Lecturer	28	35

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.):

S. No	Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D. students guided for last 4yrs
1	N.Sridhar	M.E	Professor	Environmental Engineering	21.5	Nil
2	Kr.Kalphana	M.E	Associate Professor	Water Resou. Management	8.8	Nil
3	P.Ariyannan	M.E	Assistant Professor	Structural Engineering	5	Nil
4	R.Tamil Selvi	M.E	Assistant Professor	Structural Engineering	2.4	Nil
5	V Priyanga	M.E	Assistant Professor	IWRM	2.4	Nil
6	M.Priyadharshini	M.E	Assistant Professor	Structural Engineering	1.6	Nil
7	Kalpana Shri R A	M.E	Assistant Professor	Structural Engineering	0.6	Nil
8	M.Paramanantham	M.E	Assistant Professor	Structural Engineering	3.6	Nil
9	S.Saranya	M.E	Assistant Professor	Environmental Engineering	0.5	Nil
10	Chandrasekar.N	M.Sc	Assistant Professor	Applied Geology	1.6	Nil
11	S.Arun Prasath	M.E	Assistant Professor	Remote Sensing	3.5	Nil
12	V.Rajendran	M.Sc	Assistant Professor	Structural Engineering	2.5	Nil
13	C.Divya	M.E	Assistant Professor	Structural Engineering	2.5	Nil
14	Barathi.C	M.E	Assistant Professor	Remote Sensing	1	Nil
15	R.Senthil Kumar	M.E	Assistant Professor	Structural Engineering	1	Nil
16	Rajasekar.R	M.E	Assistant Professor	Constrction Management	1.5	Nil
17	Babu.T	M.E	Assistant Professor	Structural Engineering	2.5	Nil
18	Karthigeyan.M	M.E	Assistant Professor	Structural Engineering	3	Nil
19	M.Thirumurugan	M.E	Assistant Professor	Structural Engineering	0.6	Nil
20	S.Dinesh	M.E	Assistant Professor	Structural Engineering	0.6	Nil
21	S.Ashok	M.E	Assistant	Structural	0.6	Nil

			Professor	Engineering		
22	M.Jeeva	M.E	Assistant Professor	Structural Engineering	0.6	Nil
23	I.Mohamad John	M.E	Assistant Professor	Structural Engineering	0.6	Nil
24	M.Ravi	M.Sc	Assistant Professor	Applied Geology	0.6	Nil
25	S.Bharathiraja	M.Sc	Assistant Professor	Applied Geology	0.6	Nil
26	K.Sureshkumar	M.E	Assistant Professor	Structural Engineering	0.6	Nil
27	S.Arun	B.E	Proterm-Lecturer	Civil Engineering	1.5	Nil
28	R.Srinath	B.E	Proterm-Lecturer	Civil Engineering	1.5	Nil
29	Shanmugavel.P	B.E	Proterm-Lecturer	Civil Engineering	1.8	Nil
30	S.Naveen Kumar	B.E	Proterm-Lecturer	Civil Engineering	2.6	Nil
31	K.Deivakumar	B.E	Proterm-Lecturer	Civil Engineering	2.5	Nil
32	Paul Daniel.A	B.E	Proterm-Lecturer	Civil Engineering	2.5	Nil
33	V.Tamizhazhagi	B.E	Proterm-Lecturer	Civil Engineering	2.8	Nil
34	R.Dinesh Kumar	B.E	Proterm-Lecturer	Civil Engineering	0.6	Nil
35	Saravanan.P	B.E	Proterm-Lecturer	Civil Engineering	1.5	Nil
36	Dinesh.S	B.E	Proterm-Lecturer	Civil Engineering	1.5	Nil
M.E. STRUCTURAL ENGINEERING						
1	K.E.A.Palniyappan	P.hD	Professor	Structural Engineering	1.5	Nil
2	Kannan.D	M.E	Associate Professor	Structural Engineering	16.9	Nil
3	Nirmalkumar.M	M.E	Assistant Professor	Structural Engineering	3.2	Nil

11. List of senior visiting faculty:

S.No	Name	Designation	Organization	Subject handled
1	Nil			

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **NIL**

13. Student -Teacher Ratio (programme wise):

S.No	Programme	Student Teacher Ratio
1	B.E.-Civil Engineering	15 :1
2	M.E.-Structural Engineering	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

S.No	Name	Sanctioned	Filled
1	Academic Support Staff	07	07
2	Administrative Staff	02	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

S.No	Qualification	No.of.teaching faculty
1	PG	28
2	Ph.D.	1
3	UG	10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **NIL**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

S.No	Project name	Funded by	Total grants
1	Inspire camp	DST	Rs. 41,50,000
2	Remote sensing	DoS	Rs. 25,000
3	Advanced surveying	AICTE	Rs.8,32,000
4	Remote sensing &GIS	MoES	Rs. 1,50,000

18. Research Centre /facility recognized by the University: **NIL**

19. Publications:

S. No	Name of the faculty	Monographs	Chapter in books	Books edited	Books With ISBN/ISSN number with details of publishers	Citation Index	SNIP (Source Normalised Impact Person)	Sjr (Scimago Journal rank)	No.of. publications	No.of. publications with Index
1	Sridhar.N				0257-8050				05	05
2	D.Kannan								01	
3	Kalphana.KR								01	01
4	Ariyannan.P								02	
5	Rajendran.V								05	
6	Divya.C								03	
7	Tamil Selvi.R								01	
8	Karthikeyan.M								01	
9	Priyanka								02	
10	Kalpana Sri								01	
11	Priya dharshini				ISBN-13 978-93-80530-40-6				02	
12	Arun Prasath S				0971-5904				01	01

Faculty Publications:

S. No	Name of the faculty	Title	Publisher	Month and Year
Academic Year 2014-15				
1	N.Sridhar	A study on disposal and treatment of tannery waste from leather industries by common effluent treatment plant at Ranipet, Tamilnadu, India	EM International	June 2014
2	N.Sridhar	Water quality assesment of raw sewage and final treated water with special reference to sewage water treatment Plant nesapakkam, Tamilnadu, India	EM international	June 2014
3	Mrs.R.Tamilselvi	Creep deformations of reinforced concrete	XETA 2014	March

		columns under risk and reliability of structures		2014
4	Mr.D.Kannan	Experimental study on high volume fly ash concrete with crusher sand	XETA 2014	March 2014
5	Mr.P.Ariyannan	Experimental study on characteristic strength of self curing concrete with light weight fine aggregate	XETA 2014	March 2014
6	Mr.Rajendran.V	Experimental investigation on strength of rc beam retrofitted with wire mesh using polymer mortar overlay	XETA 2014	March 2014
7	Ms.C.Divya	Experimental investigation of partial replacement of ground granulated blast furnace slag in self compacting concrete	XETA 2014	March 2014
8	Mr.Karthigeyan.M	Experimental study on shear behaviour of reinforced concrete beams with rectangular spiral reinforcement	XETA 2014	March 2014
9	Mr.Nirmal Kumar.M	Implications of major international codal design provisions for open ground storey buildings	XETA 2014	March 2014
10	Mr.Karthigeyan.M	Structural behaviour of spiral reinforced concrete columns	XETA 2014	March 2014
11	Mr.D.Kannan	Effect of silica fume on steel slag concrete	XETA 2014	March 2014
12	Mr.D.Kannan	Effect of pozzolanas on fibre reinforced concrete	XETA 2014	March 2014
13	Mr.M.Nirmal Kumar	Structural behaviour of beams using marble dust and hybrid bars in self-compaction concrete	XETA 2014	March 2014
14	Mrs.R.Tamilselvi	Experimental study on performance of high volume fly ash concrete	XETA 2014	March 2014
15	Mr.P.Ariyannan	Effect of strength characteristics on steel slag hydrated matrix	XETA 2014	March 2014
16	Mr.V.Rajendran	Strengthening of reinforced concrete beam by using cfrp laminate	XETA 2014	March 2014
17	Mrs.R.Tamilselvi	Maturity method for estimating concrete strength at later ages	XETA 2014	March 2014

20. Areas of consultancy and income generated:

2014-2015			
S.No	Client name	Purpose	Test amount
1	Jayalakshmi Institute of Technology, Dharmapuri.	Testing of beams and Columns	2000.00
2	Jayalakshmi Institute of Technology, Dharmapuri.	Testing of concrete cube	1500.00
3	Hindustan steel works construction limited	Testing of concrete cube	1500.00
2013-2014			
1	M.Selvam, Harur	Testing of JK cement	1250.00
2	M/S Sekar Deepak construction Ltd, Chennai	Testing of concrete cube(5 nos)	1500.00
3	Tamilnadu water supply and Drainage Board	Testing of concrete cubes	600.00
4	Tamilnadu water supply and Drainage Board	Testing of concrete cubes	900.00
5	Power grid corporation of India ltd	Testing of M-Sand	1500.00
6	Jayalakshmi Institute of Technology, Dharmapuri.	Testing of concrete cube	2000.00
7	EMC Ltd, C/o PGCIL	Sieve Analysis Test for Coarse Aggregate	2000.00
8	Kalpana Traders	Testing of concrete cube	2000.00
2012-2013			
1	Haarni Associater	BRICK TEST	3750.00
2011-2012			
1	M/S Sekar Deepak construction Ltd, Chennai	Testing of concrete cube(3 nos)	900.00
2	P.Sundaram PWD	Testing of concrete cube	2500.00

21. Faculty as members in:

S.No	Committees	No.of.Faculty
1	National committees (ISTE)	05
2	International Committees	03
3	Editorial	01
4	Boards	00

22. Student projects:

S.No	Project	Percentage
1	Percentage of students who have done in-house projects including inter departmental/programme	85 %
2	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies	15 %

B.E.-Civil Engineering:

S.No	Academic year	Total no. of students	In house projects		Industrial projects	
			No. of students	Percentage	No. of students	Percentage
1	2014- 2015	147	131	90 %	16	10%
2	2013- 2014	134	120	90%	14	10%
3	2012-2013	128	100	80%	28	20%
4	2011-2012	69	59	88%	10	12%

M.E.-Structural Engineering:

S.No	Academic Year	In house projects		Industrial projects	
		No. of Students	Percentage	No. of Students	Percentage
1	2014- 2015	13	86 %	2	14%
2	2013- 2014	16	100 %	-	-
3	2012-2013	10	100 %	-	-

23. Awards / Recognitions received by faculty and students:

Academic Year	Faculty Name	Award	Subject	Organization
2011-2012	Anand.N	Cash	Irrigation Engineering	Jayam College of Eng&Tech.,
			Municipal Solid Waste&Management	
	Kalpana.K.R	Cash	Irrigation Engineering	Jayam College of Eng&Tech.,
	Rajendiran.V	Cash	Concrete Technology	Jayam College of Eng&Tech.,
	Muruganantham.C	Cash	Estimation&Valuation	Jayam College of Eng&Tech.,
Building Service				
Babu.T	Cash	Construction Management	Jayam College of Eng&Tech.,	
2012-2013	D.Karunanidhi	Cash	Remote Sensing&Gis	Jayam College of Eng&Tech.,
	Venkatesan.A	Cash	Earth Quake Resistant Sismic Design	Jayam College of Eng&Tech.,
	Rajendiran.V	Cash	Building Service	Jayam College of Eng&Tech.,
	Anand.N	Cash	Municipal Solid Waste&Management	Jayam College of Eng&Tech.,
2013-2014	Naveen Kumar.S	Cash	Construction Planing&Scheduling	Jayam College of Eng&Tech.,
	Kalidass.R	Cash	Municipal Solid Waste Management	Jayam College of Eng&Tech
	Anand.N	Cash	Municipal Solid Waste Management	Jayam College of Eng&Tech
	Muruganantham.C	Cash	Earth Quake Resistant Structure	Jayam College of Eng&Tech
2014-2015	Dinesh.s	Cash	Basics of Dynasmics&Aseimic Design	Jayam College of Eng&Tech
	Kannan.D	Cash	Traffic Eng&Managment	Jayam College of Eng&Tech
			Repair Rehabilitation	
	G.Balaji	Cash	Estimation&Valuation	Jayam College of Eng&Tech
Repair Rehabilitation				
Rajendiran.V	Cash	Repair Rehabilitation	Jayam College of Eng&Tech	

Academic Year	Faculty Name	Award	Organization
2010- 2011	D.Karunanidhi	Young Scientist Fellow (NGRI, Hyderabad - 500007)	Tamil Nadu State Council for Science & Technology

University Rank holders -B.E.Civil Engineering

Academic Year	University	Student name	Rank
2012-2013	Anna University	Shankar. D	41th Rank.,
2013-2014	Anna University	Atul Shrivastava	24th Rank

Sports Achievements

S. No.	Name	Game	Level	Place
2010-11				
1	N.Moratanch	Basket Ball	Zonal	Third
2	L.R Kavitha	Basket Ball	Zonal	Third
3	W.Clementina	Basket Ball	Zonal	Third
4	K.Gnanamozhi	Basket Ball	Zonal	Third
5	V.Vijayashanthi	Badminton	Zonal	Second
6	M.Karthika	Ball Badminton	Zonal	First
7	A.Vedhashalini	Ball Badminton	Zonal	First
8	R.Ramya	Ball Badminton	Zonal	First
9	E.Clementina	Ball Badminton	Zonal	First
10	E.Rohini	Ball Badminton	Zonal	First
11	G.Kayalvizhi	Ball Badminton	Zonal	First
12	N.Moratanch	Ball Badminton	Zonal	Third
13	K.Sowmiya	Ball Badminton	Zonal	Third
14	R.Ramya	Shotput	Zonal	Second
15	L.R.Kavitha	Discus Throw	Zonal	Second
16	V.Vedha Shalini	4x400 Relay	Zonal	Third
17	S.Ramya	4x400 Relay	Zonal	Third
18	V.Vijayashanthi	4x400 Relay	Zonal	Third
19	V.Vijayashanthi	Volleyball	Zonal	Third
20	M.Karthika	Volleyball	Zonal	Third
21	A.Vedhashalini	Volleyball	Zonal	Third

22	R.Ramya	Volleyball	Zonal	Third
23	E.Clementina	1500m	Zonal	Second
24	G.Kayalvizhi	Disk Throw	Zonal	Third
25	C.Vaiyapuri	Kabadi	Zonal	First
26	G.Murali	Kabadi	Zonal	First
27	K. Madhan Kumar	Kabadi	Zonal	First
28	K.Santhosh Kumar	Table Tennis	Zonal	Third
29	B.Kiran	Hammer Throw	Zonal	Third
30	B.Kiran	Short Put	Zonal	Third
2012-13				
1	M.Ravikumar	Cricket	Zonal	Runner
2	P.Krishnan	Football	Zonal	Runner
3	Kiran.B	Power Lifting	National	12th
		Power Lifting	State Level	Third
		Weight Lifting	State Level	Third
		Atheletics(Shot Put)	State Level	Fifth
		Atheletics(Shot Put)	University	Second
		Atheletics(Hammer Throw)	University	First
4	Easwaran.R	Atheletics(1500m)	Zonal	First
		Atheletics(800m)	Zonal	Second
		Atheletics(Relay 4*400m)	Zonal	Second
5	T.R Priyadharshini	Table Tennis	Zonal	Second
6	Clementina Evangline W.	Ball Badmitan	Zonal	First
7	Priyanka	Ball Badmitan	Zonal	First
8	Sivasankari	Ball Badmitan	Zonal	First
9	Poorani	Ball Badmitan	Zonal	First
2013-14				
1	M.Ravikumar	Cricket	Zonal	Runner

2	S.Dhandapani	Hockey	Zonal	Third
3	A.Murugan	Football	Zonal	Runner
4	J.Hari Priya	Athlete	Zonal	Third
		Athlete	Zonal	Third
5	Easwaran.R	Atheletics(1500m)	Zonal	First
6	T.R Priyadharshini	Table Tennis	Zonal	First
7	Preethipriya	Table Tennis	Zonal	First
8	Hari Prasad.P	Weight Lifting	Zonal	Second
9	Thenmozhi.V	Table Tennis	Zonal	First
10	Kayalvizhi.M	Table Tennis	Zonal	First
11	Priya.S	Weight Lifting	Zonal	Second
12	Kayalvizhi.M	Weight Lifting	Zonal	Second
13	Thenmozhi.V	Weight Lifting	Zonal	Third
14	Tamilselvi.M	Weight Lifting	Zonal	Second
15	Hemalatha.V	Weight Lifting	Zonal	Second
16	Manivannan.M	Atheletics(5o00m)	Zonal	Second
17	Manivannan.M	Atheletics(10000m)	Zonal	Third
2014-15				
1	M.Ravikumar	Cricket	Zonal	Runner
2	C.Santhosh Kumar	Babminton	Zonal	First
3	S.Sathish Kumar	Babminton	Zonal	First
4	M.Murugesan	Babminton	Zonal	First
5	S.Hari Pradeep	Babminton	Zonal	First
6	M.Suresh	Hand Ball	Zonal	First
7	M.Velmurugan	Hand Ball	Zonal	First
8	N.Vetri	Hand Ball	Zonal	First
9	M.RaviKumar	Cricket	Zonal	Second
10	M.Ajith Kumar	Cricket	Zonal	Second
11	K.Santhosh Kumar	Cricket	Zonal	Second
12	K.Shubash	Cricket	Zonal	Second
13	R.Devaprasath	Cricket	Zonal	Second

14	S.Kalidas	Cricket	Zonal	Second
15	M.Suresh	Volley Ball	Zonal	Second
16	M.Suresh	Volley Ball	Zonal	Second
17	Nirmal Raj D	Volley Ball	Zonal	Second
18	K.Pugalenthi	Volley Ball	Zonal	Second
19	G.Sridar	Volley Ball	Zonal	Second
20	Tamil Selvan M	Volley Ball	Zonal	Second
21	Hari Priya	Athlete	Zonal	Second
22	Siva Priya	Athlete	Zonal	Second
23	Kalpana	Athlete	Zonal	Third
24	Suresh Kumar S	Athlete	Zonal	Second
25	Thangapandiyan	Athlete	Zonal	Third
26	Thangapandiyan	Best Physique	Zonal	Second
27	Madhesh Nithi	Best Physique	Zonal	Second
28	C.Sivakumar	Best Physique	Zonal	First
29	M.Prabhu	Best Physique	Zonal	First
2015-16				
1	C.Santhosh Kumar	Badminton	Zonal	Winner
		Badminton	Zonal	First
2	A.Muthuraj	Athlete	Zonal	Third
3	B.Sathish Kumar	Athlete	Zonal	Third
4	D.Suresh	Athlete	Zonal	Third
5	S.Vignesh	Tennis-Men	Zonal	Second
6	N.Sivashankar	Ball Badminton	Zonal	Third
7	B.Sathish Kumar	Athlete	Zonal	Winner
8	N.Sivashankar	Athlete	Zonal	Winner
9	A.Thangapandiyan	Athlete	Zonal	Winner
10	R.Shakthivel	Athlete	Zonal	Winner

24. List of eminent academicians and scientists / visitors to the department:

2014-2015			
S.No	Name	Designation	Organization
1	Er .Samraj	Executive engineer	PWD-WRO, Krishnagiri
2	Er. Narasimman	Assistant Engineer	Highway Department, Dharmapuri
3	Mr. S.Dhanasekaran	Planning Manager	L&T- ECC , Chennai
2013-2014			
1	Mr. P.NeelaVarman	Manager	HCC , Mumbai
2	Mr.S.MathiArasu	Manager	ITD cementation India Ltd.Tuticorin
3	Mr.P.Venkatesh	Construction manager	Sobha Construction, Bangalore.
2012-2013			
1	Mr. Sudha Ramesh	Manager in QA&QC	CCCL, Chennai
2	Mr. Rupesh Mishra	Construction Manager	ITD cementation India Ltd, Delhi.
2011-2012			
1	Mr. Satish KumarMalladi	Project manager	ITD cementation India Ltd, Ennore Port.
2	M.Varadaraj	Executive Manager	Afcons - Mumbai

25. Seminars / Conferences / Workshops organized & the source of funding:

Sl. No	Sponsoing agency	Topic of the programme	Duration amount	Sanctioned (Rs.)
1	DST (Govt. of India)	Science Camp-IV Inspire Internship- 2012	23-27 Aug, 2012	9,75,000
2	DST (Govt. of India)	Science Camp-III Inspire Internship -	06-10 Aug, 2012	9,75,000

		2012		
3	DST-NRDMS (Govt. of India)	National Level Workshop Geospatial Technology	28-30 June, 2012	2,50,000
4	DST (Govt. of India) - Science Camp - II	Inspire Internship - 2011	23-27 Feb 2012	9,75,000
5	DST (Govt. of India) - Science Camp - I	Inspire Internship - 2011	06-10 Feb, 2012	9,75,000
6	AICTE (Govt. of India) - Staff Development Programme	Advanced Surveying	19-24 Dec, 2011	2,07,000
7	MoES (Govt. of India) - Staff Development Programme	Applications of Remote Sensing & GIS on Engg Geology	22-27 Aug, 2011	1,50,000
8	DoS (Govt. of India) - National Level Seminar	Applications of Remote Sensing & GIS on water resource management	16-17 Mar, 2011	25,000
9	AICTE (Govt. of India) - National Level Workshop	Computer Application in Modern Electronic Surveying	17-23 Feb, 2011	3,50,000
10	AICTE (Govt. of India) - Software Training Programme	Geographic Information System	03-06 March, 2010	2,75,000

Academic Year	Categories	Title of the program	Source of funds
2015	Guest Lecture	Design of steel structure	Jayam college of engineering and technology
2015	Guest Lecture	Design of steel structure	Jayam college of engineering and technology
2014	Guest Lecture	Soil mechanic	Jayam college of engineering and technology
2014	Guest Lecture	Strength of material	Jayam college of engineering and technology
2014	Guest Lecture	Design of steel structure	Jayam college of engineering and technology
2014	Guest Lecture	Structural analys-ii	Jayam college of engineering and technology
2014	Guest Lecture	Earth quake and resistant structure	Jayam college of engineering and technology
2013	Guest Lecture	Design of reinforced concrete	Jayam college of engineering and technology
2013	Guest Lecture	Fluid mechanic	Jayam college of engineering and technology
2013	Guest Lecture	Structural Analys-I	Jayam college of engineering and technology
2013	Guest Lecture	Estimation & valuation	Jayam college of engineering and technology
2013	Guest Lecture	Strength of material	Jayam college of engineering and technology
2013	Guest Lecture	Applied hydraulic engineering	Jayam college of engineering and technology
2013	Guest Lecture	Structural analys-II	Jayam college of engineering and technology
2013	Guest Lecture	Design of steel structure	Jayam college of engineering and technology
2012	Guest Lecture	Structural analys-II	Jayam college of engineering and technology
2012	Guest Lecture	Strength of material	Jayam college of engineering and technology
2011	Guest Lecture	Structural analys-I	Jayam college of engineering and technology
2011	Guest Lecture	Mechanics of fluids	Jayam college of engineering and technology

2010	Guest Lecture	Professional ethics and human values	Jayam college of engineering and technology
2010	Guest Lecture	Engineering economics and cost analysis	Jayam college of engineering and technology
2010	Guest Lecture	Strength of material	Jayam college of engineering and technology
2010	Guest Lecture	Irrigation and hydraulic structure	Jayam college of engineering and technology
2015	Workshop	NDT2K11	Jayam college of engineering and technology
2014	Workshop	Carve 14	Jayam college of engineering and technology
2014	Workshop	Gravittas 14	Jayam college of engineering and technology
2014	Workshop	Structural engineering	Jayam college of engineering and technology
2013	Workshop	NDT2K11	Jayam college of engineering and technology
2012	Workshop	Recent trends in civil engg	Jayam college of engineering and technology
2010	Workshop	One day workshop on six sigma	Jayam college of engineering and technology
2015	National Conference	Xeta2015	Jayam college of engineering and technology
2014	National Conference	Xeta2014	Jayam college of engineering and technology
2013	National Conference	Xeta-2013	Jayam college of engineering and technology
2011	National Conference	Xeta-2011	Jayam college of engineering and technology
2015	Symposium	Dazztech2k-15	Jayam college of engineering and technology
2014	Symposium	Dazztech2k-14	Jayam college of engineering and technology
2010	Symposium	Dazztech2k10	Jayam college of engineering and technology
2013	Symposium	Ssmecents 13	Jayam college of engineering and technology
2012	Symposium	Stress 2012	Jayam college of engineering and technology

26. Student profile Programme / course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2008 -2012 (BE-CIVIL)	69	69	62	7	71%
2009-2013 (BE -CIVIL)	128	128	119	9	80%
2010-2014 (BE -CIVIL)	138	138	135	03	63%
2011-2015 (BE - CIVIL)	147	147	134	13	65%
2011-2013 (ME -STRU)	10	10	07	3	80%
2012-2014 (ME - STRU)	15	15	12	3	93%
2013-2015 (ME-STRU)	18	18	14	4	83%

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
B.E.-Civil Engineering	95 %	5%	-
M.E.-Structural Engineering	97%	3%	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Name of the Course	No.of. Students				
	GRE	CAT / GMAT	GATE / TANCET	Ph.D.	Group
UG	-	-	15	-	-
PG	-	-	14	-	-

29. Student progression:

Student progression	2014-2015	2013-2014	2012-2013	2011-2012
UG to PG	12	6	6	5
PG to M.Phil.	-	-	-	-
PG to Ph.D.	-	-	1	-
Ph.D. to Post-Doctoral	-	-	-	-
Employed				
Campus selection	7	10	13	9
Other than campus recruitment	48	42	28	25
Entrepreneurship/ Self-employment	8	7	5	4

30. Detail of infrastructural facilities

a) Library:

S.No	Particulars	Civil
1	Plinth Area	33 Sq.m
2	Book Volumes	151
3	National journals	18
4	International Journal(UG&PG)	18
5	Titles	1349
6	Project Reports	138

b) Internet facilities for Staff & Students: Campus is enabled with Wi-Fi Connection with 20 Mbps.

c) Class rooms with ICT facility: 02 Class rooms are available

d) Laboratories: List of laboratories

S.No	Name of the Laboratory	Total Area (m ²)	Investment (Rs)
1.	Engineering workshop practice	200	1,88,346.00
2	Concrete and Highway lab	158.49	7,08,543.00
3	Environmental Engineering lab & Survey lab	206.91	1,87,965.00 7,12,634.00

4	Strength of materials lab & soil engineering	223.05	5,80,177.00 1,16,275.00
5	Fluid mechanics & machinery lab	223.05	19,59,180.00
6	CAD lab-1 CAD LAB-2	78.77 78.77	13,86,000.00
7	M.E Structural lab	93.35	8,84,570.00
8	Research lab	126.58	2,20,000.00

Lab Conducted

S.No	Name of the laboratory	Lab conducted
1	Engineering workshop practice	GE6162- Engineering Practices Laboratory(I BE Civil) GE6162- Engineering Practices Laboratory(I B.Tech IT) GE6162- Engineering Practices Laboratory(I BE CSE) GE6162- Engineering Practices Laboratory(I BE EEE) GE6162- Engineering Practices Laboratory(I BE MECH) GE6162- Engineering Practices Laboratory (I BE ECE)
2	Concrete and Highway lab	CE6612- Concrete and Highway Engineering laboratory
3	Environmental Engineering laboratory & Survey lab	CE6611- Environmental Engineering laboratory CE6311- Survey Practical I CE6413- Survey Practical II
4	Strength of materials lab & soil engineering	CE6411-Strength of Materials Laboratory (II BE MECH) CE6411-Strength of Materials Laboratory CE6511- Soil Mechanics Laboratory
5	Fluid mechanics &	CE6461-Fluid Mechanics and Machinery Laboratory

	machinery lab	(II BE MECH) CE6412- Hydraulic Engineering Laboratory (II BE Civil)
6	CAD lab-1	CE 2405- computer aided design & drafting laboratory CE-6312 computer aided building drawing
7	CAD LAB-2	CE 2405- computer aided design & drafting laboratory
8	M.E Structural lab	ST7211- Advanced Structural Engineering Laboratory
9	Research lab	Research lab

In each lab 30 students can be accommodated per session.

31. Number of students receiving financial assistance from college, university, government or other agencies:

Academic year	Scholarship SC/ST	Scholarship BC/MBC	Management Sponsorship	Sports Quota	Other Agencies
2014-2015	107	195	2		6
2013-2014	105	159	4		6
2012-2013	55	220	2		6
2011-2012	37	151	3		2

Agency	Number of students received financial Assistance			
	Academic year			
	2011-2012	2012-2013	2013-2014	2014-2015
College	2	2	4	2
University				-
Government	188	275	264	300
Other Agencies(MindTree)	2	6	6	6

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

S. No	Name of the resource Person	Type	Title of the program	Date
(2014-2015)				
1	Dr.R.Anbarasu Professor, GCE, Salem	Guest Lecture	Design of Steel Structure	14-04-2015
(2013-2014)				
1	Prof. P.A.Venkatesan, VVIT, Dharmapuri	Guest Lecture	Estimation & Valuation	27-09-13 to 28-09-13
2	Prof. S.Senthilkumar, PSV, Krishnagiri	Guest Lecture	Structural Analysis	11-10-13 to 12-10-13
3	Prof. S.Govindaraj, AVS, Salem	Guest Lecture	Design of Reinforced Concrete	21-10-13 to 22-10-13
4	Prof. A.Venkatesan, Panimalar, Chennai	Guest Lecture	Fluid Mechanics	08-11-13 to 09-11-13
5	Prof. P.A.Venkatesan, VVIT, Dharmapuri	Guest Lecture	Earthquake and Resistant structure	27-09-13 to 28-09-13
6	Prof. S.Senthilkumar, PSV, Krishnagiri	Guest Lecture	Structural Analysis	14-3-14 to 15-3-14
7	Prof. S.Govindaraj, AVS, Salem	Guest Lecture	Soil mechanics	21-3-14 to 22-3-14
8	Prof. P.A.Venkatesan, VVIT, Dharmapuri	Guest Lecture	Strength of Materials	04-04-14 to 05-04-14
9	Prof. A.Venkatesan, Panimalar, Chennai	Guest Lecture	Earthquake and Resistant structure	21-4-14 to 22-4-14

33. Teaching methods adopted to improve student learning:

- Power point presentation
- Seminar
- Site visit
- Working models
- Guest lectures
- Implant training
- Industrial visit
- Group discussion
- Video presentation
- Camp

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
- Promotion of leadership qualities through extra and co-curricular activities through NSS, NCC and YRC.
 - Students are regularly involving in social activities such as blood donation camp, eye camp...etc
35. SWOC analysis of the department and Future plans

Strengths:

- Eco- friendly and amicable working atmosphere
- NBA accredited department
- Motivating students to participate in various activities like symposiums and conferences, workshops and seminars.
- Well equipped Laboratories. English Language Laboratory is installed with Globarena Software to enhance the communication Skills of the students.
- The Lecture notes are uploaded on the Moodle and students engage themselves in clearing the doubts online with the staff.
- Conducting special/Guest Lectures for critical courses ,
- Motivating students to participate in various Activities like symposiums and conferences, workshops and seminars
- The Institution has got excellent infrastructure for graduate and undergraduate programmes.

Weakness:

- Students show Lack of interest in competitive examinations.
- Hesitation of students to become Entrepreneurs.
- Being in a rural area, it is difficult to strike private or corporate partnerships and Collaborations.
- Access to modern facilities / Extracurricular activities for the students is limited
- Lack of Industry - Institution Interaction
- Lack of Industrial Consultancy Projects
- Lack of full-fledged departmental library.

Opportunities:

- Faculties are encouraged by the department and institution to go for higher qualifications, research and publication of research papers.
- Identify areas of research in the rural scenario.
- With a large student population in the campus, various students related studies are possible.
- For rural colleges, getting university ranks is the best way to attract companies who want to associate themselves with colleges with a good record.
- The courses provide a good platform for clearing various competitive exams
- Establishing the Centre of Excellence in Emerging areas.
- A state-of-the-art library with Magazines and books for enriching the knowledge.
- A Placement and training cell functions upgrading the students in verbal aptitude, reasoning, mathematical aptitude, soft skills etc.,

Challenges:

- Improving student's communication skills.
- Encouraging more number of students to participate and present papers in the seminars and symposiums.
- Producing 100% results in the university examinations.
- Support from Professional chapters.
- Getting Experienced Faculty members.
- Placing students in more companies.
- Identify areas of research in the rural scenario
- With a large student population in the campus, various students related studies are possible.
- Establishing the Centre of Excellence in Emerging areas.

Future Plans:

- To motivate the students to secure more university ranks.
- To enhance knowledge of the faculty, staff and students to increase the journal publications.
- To promote industrial cluster for micro and small industries.

1. Name of the department : **COMPUTER SCIENCE AND ENGINEERING**
2. Year of Establishment : **1998**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Name of the programme	Specialization	Year of establishment	Duration	Full Time /Part Time
B.E	Computer Science and Engineering	1998	4	Full Time
M.E	Computer science and Engineering	2004	2	Full Time

4. Names of Interdisciplinary courses and the departments/units involved:

S.No	Departments involved	Course offered by the departments	Year & Branch
1	Science and Humanities	Technical English - I	I & CSE
2	Science and Humanities	Technical English - II	I & CSE
3	Science and Humanities	Mathematics - I	I & CSE
4	Science and Humanities	Mathematics - II	I & CSE
5	Science and Humanities	Engineering Physics - I	I & CSE
6	Science and Humanities	Engineering Physics - II	I & CSE
7	Science and Humanities	Physics and Chemistry Laboratory	I & CSE
8	Science and Humanities	Engineering Chemistry - I	I & CSE
9	Science and Humanities	Physics and Chemistry Laboratory	I & CSE
10	Science and Humanities	Engineering Chemistry - II	I & CSE
11	Mechanical	Engineering Graphics	I & CSE
12	Mechanical	Engineering Practice Lab	I & CSE
13	Science and Humanities	Transforms and Partial Differential Equation	II & CSE
14	Science and Humanities	Probability and Queuing Theory	II & CSE
15	Electronics and Communication Engineering	Analog and digital communication	II & CSE

16	Electronics and Communication Engineering	MicroProcessor and Micro Controller	II & CSE
17	Electronics and Communication Engineering	Digital Principles and System Design	II & CSE
18	Electronics and Communication Engineering	Digital Lab	II & CSE
19	Science and Humanities	Discrete Mathematics	III & CSE
20	MBA	Engineering Economics & Financial Accounting	IV & CSE
21	Electronics and Communication Engineering	Digital Signal Processing	IV & CSE

5. Annual/ semester/choice based credit system (programme wise)

Programme	Specialization	Pattern
B.E	Computer Science Engineering	semester based
M.E	Computer Science Engineering	semester based

6. Participation of the department in the courses offered by other departments

S.No	Departments involved	Course offered by the departments	Semester
1	Electronics and Communication Engineering	Computer programming	I
2	Civil Engineering	Computer programming	I
3	Mechanical Engineering	Computer programming	I
4	Mechanical Engineering	Computer programming	I
5	Electrical & Electronics	Computer programming	I
6	Electronics and Communication Engineering	Object Oriented programming And Data Structure	III
7	Electronics and Communication Engineering	Data Structures and Object Oriented Programming in C++(III
8	Electronics and Communication Engineering	Computer Architecture and Organization	V
9	Electronics and Communication Engineering	Computer Architecture	V
10	Electrical & Electronics	Operating System	VII

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

S. No	Course Name	Participating Institution/Industry
1	Quantitative Aptitude Training	Focus Academy for career Enhancement(FACE)
2	Soft Skills	D-ARC, Kerala
3	Corporate Training and placement	MindTree - MindTree innovative Training program,Bangalore
4	Business Development Analyst	Idayam Group
5	Software skill development program	Google Apps
6	Positive Thinking and Right Carrier	Mr S.V .Venkatesh, MD & CEO Raman International Institute of Information Technology,Mysore
7	Internships and placement	Raman International Institute of Information Technology,Mysore
8	Android Programming and Application Development	GEEKSLab Technologies pvt ltd
9	Placement Training	Academy of Excellence ,salem
10	IITB Spoken Tutorial	Mrs Reshmi,IIT Bombay
11	Mission10X workshop	Wipro limited ,Bangalore

8. Details of courses/programmes discontinued (if any) with reasons: **NIL**

9. Number of Teaching posts

Teaching Post	Sanctioned	Filled
Professors	3	2
Associate Professors	5	4
Asst. Professors	19	13

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

S. No	Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D. students guided for the last 4 years
1	A.Kannammal	M.E.,	Asso.Prof	CSE	9 years 3 months	Nil
2	R.Saravana kumar	M.E., Ph.D	Professor	CSE	10 years	Nil

3	R.Kavi Priya	M.E.,	Asso.Prof	CSE	8 years 9 months	Nil
4	S.Shobana	M.E.,	Asso.Prof	VLSI	8 years	Nil
5	C.Arivazhagan	M.E.,	Asst.Prof	CSE	2 years 2 months	Nil
6	M.Nandhini	M.Tech.,	Asst.Prof	CSE	2 years 2 months	Nil
7	S.Sankar	M.E.,	Asst.Prof	CSE	2 years 2 months	Nil
8	P.Ramya	M.E.,	Asst.Prof	CSE	2 years 2 months	Nil
9	I.Anbarasu	M.E.,	Asst.Prof	Software Engineering	2 years 2 months	Nil
10	R.Sathyaseelan	M.E.,	Asst.Prof	CSE	2 years 2 months	Nil
11	P.Sathish Kumar	M.E.,	Asst.Prof	CSE	2 years 2 months	Nil
12	R.Keerthana	M.E.,	Asst.Prof	CSE	1 year 2 months	Nil
13	N.R. Jayashree	M.Tech.,	Asst.Prof	CSE	9 years 8 months	Nil
14	P.Vinothkumar	M.E	Asst.Prof	CSE	10 months	Nil
15	N.Deva Kirubai	M.E.,	Asst.Prof	CSE	6 months	Nil
16	M.Vinoth	M.Tech.,	Asst.Prof	IT	2 years 6 months	Nil
M.E - Computer Science and Engineering						
17	D.Sumathi	M.E., (Ph.D)	Professor	CSE	9 years 5 months	Nil
18	P.Ganeshan	M.E	AP	CSE	8 years 4 months	Nil
19	N.Kayalvizhi	M.E.,	AP	CSE	5 years 11month s	Nil

11. List of senior visiting faculty:

S.No	Name	Designation	Organization	Subject Handled
Nil				

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

NIL

13. Student -Teacher Ratio (programme wise)

S.No	Programme	Student Teacher Ratio
1	B.E-Computer Science and Engineering	1:10
2	M.E- Computer Science and Engineering	1:4

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

S.No	Name	Sanctioned	Filled
1	Academic Support Staff	4	4

The Details of Technical staff and Administrative staff are given below:

S.No	Name of the Non-Teaching staff	Designation
1	D.Prabhu kumar	Programmer
2	P.Murugan	Programmer
3	P.Nagaraj	Lab Technician
4	M.Karthick	Programmer

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

S.No	Qualification	No of Teaching Faculty
1	PG	18
2	Ph.D	1

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Faculty Name	Project Title	Customer	Funds Received	Status
Nil				

Nationals and International Journals:

Name of the Faculty	Publications	Journal
A.Kannammal	Load Rebalancing Using Map Reducing Task for Distributed File System in Cloud	International Journal of Emerging Technology in Computer Science and Electronics, April,2015
	Efficient Load balancing with distributed hash table in cloud	International Journal of Engineering and Science, 2012.
	Optimal replica placement in graph based data grids	International Journal of Engineering and Science, 2012.
	Gridle based transmission in MANET	International Journal of Engineering and Science, 2012.

	Zone based stateless transmission in MANET	International Journal of Engineering and Science, Jan-Feb 2013.
R.Kavipriya	Empirical analysis of user based cloud mobile video streaming	International Journal of Engineering Research and Technology-IJERT, Vol 3, Issue 2, Feb, 2014
	Advanced Protection Against Phishing Pages By Using Multi-Usage Browser	International Journal of Scientific and Engineering Research (IJSER) Volume 5, Issue3, March 2014 Edition (ISSN 2229-5518), Mar, 2014
S.Shobana	Vigorous force provisioning Virtualization through skewness in cloud	International Journal of Engineering Science and Research Technology and Communication Engineering, Volume1, Issue 1, December 2013
	Vigorous force provisioning Virtualization through skewness in cloud	International Journal of Engineering Science and Research Technology and Communication Engineering, Volume1, Issue 1, December 2013
	Bandwidth Assurance using Energetic Fusion Channel in AD-Hoc Networks	IOSR Journal of Computer Engineering Vol 16, Issue 2, Mar-April 2014
C.Siva Kumar	Secure Overlay Cloud Storage with Access Control and Assure Deletion	International Journal of Information Science and Education Research
D.Sumathi	Review on contrast Enhancement of Image	International Journal of Advanced Computer Engineering, Jan-Jun 2013
	A dynamic policy based Security - As-A Service Infrastructure for Cloud Environment	IJRET standards, 5th May 2014
C.Arivazhagan	Performance Analysis of bidirectional Reliability Protocol for Wireless sensor Networks	CIIT Journal, May-12
S.Sankar	Knowledge Based Active Visual Segmentation	International Journal of Futuristic Science Engineering and Technology, Jan, 2013
	An Efficient Gossip Protocol For Dynamic Resource Management	International Journal of Futuristic Science Engineering and Technology, 1st Feb 2013
P.Ramya	Resource Controlled Replica Allocation Cluster for Secured MANET against Selfish Nodes	Journal of Computing Technologies, Volume no. 2, Issue no. 2, February 2013.

I.Anbarasu	A Survey on Test Case Generation and Extraction of Reliable Test Cases	The International Journal of Computer Science & Applications, 10-Dec-12
R.Sathyaseelan	Enhancing the Human Perceivable Image content in CAPTCHA Based BF Algorithm	Journals of Engineering and Science, Mar-15
P.Sathish Kumar	Reduce The False Positive And False Negative From Real Traffic With Intrusion Detection	International Journal Of Engineering And Computer Science, March 2013
	Hop Optimal Algorithm With Greedy Link Scheduler To Avoiding Link Failure For Multihop Wireless Networks	International Journal Of Innovative Research And Development , April,2013
	A Refined Performance Characterization Of Link Scheduling And Data Security In Wireless Networks	International Journal of Scientific and Engineering Research , June, 2013
R.Keerthana	Congestion Control based on Sliding Mode Control and Scheduling with Prioritized Queuing for Wireless Networks	IJRET-International Journal, 2014
N.R. Jayashree	Message Authentication & Source Privacy using BAC Technology in Wireless Sensor Networks	IJES- International Journal ,2015

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

S.No	Project Name	Funded by	Total Grands
Nil			

18. Research Centre /facility recognized by the University: NIL

19. Publications:

International/ National Journals	International/National Conferences
23	58

Nationals and International Journals:

Name of the Faculty	Publications	Journal
A.Kannammal	Load Rebalancing Using Map Reducing Task for Distributed File System in Cloud	International Journal of Emerging Technology in Computer Science and Electronics, April,2015
	Efficient Load balancing with distributed hash table in cloud	International Journal of Engineering and Science, 2012.
	Optimal replica placement in graph based data grids	International Journal of Engineering and Science, 2012.
	Gridle based transmission in MANET	International Journal of Engineering and Science, 2012.
	Zone based stateless transmission in MANET	International Journal of Engineering and Science, Jan-Feb 2013.
R.Kavipriya	Empirical analysis of user based cloud mobile video streaming	International Journal of Engineering Research and Technology-IJERT,Vol 3, Issue 2, Feb, 2014
	Advanced Protection Against Phishing Pages By Using Multi-Usage Browser	International Journal of Scientific and Engineering Research (IJSER) Volume 5, Issue3, March 2014 Edition (ISSN 2229-5518), Mar, 2014
	Vigorous force provisioning Virtualization through skewness in cloud	International Journal of Engineering Science and Research Technology and Communication Engineering, Volume1, Issue 1, December 2013
S.Shobana	Vigorous force provisioning Virtualization through skewness in cloud	International Journal of Engineering Science and Research Technology and Communication Engineering, Volume1, Issue 1, December 2013
	Bandwidth Assurance using Energetic Fusion Channel in AD-Hoc Networks	IOSR Journal of Computer Engineering Vol 16, Issue 2 ,Mar-April 2014
D.Sumathi	Review on contrast Enhancement of Image	International Journal of Advanced Computer Engineering, Jan-Jun 2013
	A dynamic policy based Security -As-A Service Infrastructure for Cloud Environment	IJRET standards, 5th May 2014
C.Arivazhagan	Performance Analysis of bidirectional Relaiability Protocol for Wireless sensor Networks	CIIT Journal,May-12
S.Sankar	Knowledge Based Active Visual Segmentation	International Journal of Futuristic Science Engineering and Technology, Jan,2013
	An Efficient Gossip Protocol For Dynamic Resource Management	International Journal of Futuristic Science Engineering and Technology, 1st Feb 2013

P.Ramya	Resource Controlled Replica Allocation Cluster for Secured MANET against Selfish Nodes	Journal of Computing Technologies, Volume no. 2, Issue no. 2, February 2013.
I.Anbarasu	A Survey on Test Case Generation and Extraction of Reliable Test Cases	The International Journal of Computer Science & Applications, 10-Dec-12
R.Sathyaseelan	Enhancing the Human Perceivable Image content in CAPTCHA Based BF Algorithm	Journals of Engineering and Science, Mar-15
P.Sathish Kumar	Reduce The False Positive And False Negative From Real Traffic With Intrusion Detection	International Journal Of Engineering And Computer Science, March 2013
	Hop Optimal Algorithm With Greedy Link Scheduler To Avoiding Link Failure For Multihop Wireless Networks	International Journal Of Innovative Research And Development , April,2013
	A Refined Performance Characterization Of Link Scheduling And Data Security In Wireless Networks	International Journal of Scientific and Engineering Research , June, 2013
R.Keerthana	Congestion Control based on Sliding Mode Control and Scheduling with Prioritized Queuing for Wireless Networks	IJRET-International Journal, 2014
N.R. Jayashree	Message Authentication & Source Privacy using BAC Technology in Wireless Sensor Networks	IJES- International Journal ,2015

International / National Conferences

Faculty Conferences				
S. No	Faculty Name	Title of the Paper	Date	Venue
2014 -2015				
1	A.Kannammal	Load Rebalancing Using Map Reducing Task for Distributed File System in Cloud	March, 2015	Dr.Pauls Engineering College
		Performance Evaluation of Top K- Query Using Elastic Routing Table	March, 2015	J.K.K.Nataraja College of Engg and Technology

2	D.Sumathi	Enhancing Image Re-Ranking Using Average RGB Algorithm	April, 2015	Tamilnadu College of Engineering - Coimbatore
		Improving efficiency of HEFT scheduling algorithm in cloud environment.	10th & 11th April, 2015.	AVS Engineering College- Salem
		A Trust model for providing ubiquitous sc- aas in an cloud infrastructures	20th March 2015.	Dr.Pauls Engineering College- Chennai
3	M.Nandhini	Performance Evaluation of top K query using elastic routing table.	20th & 21th March 2015	JKK Nattraja College of Engineering and Technology
4	S.Sankar	Knowledge based shadow detection and removal in color images.	20th March 2015.	Kongunadu College of Engineering and Technology
		Robust Face Recognition Technique Using PCA Algorithm and Back Propagation Neural Network	Mar-15	J.K.K. Nataraja College of Engineering and Technology
		A Novel Flame Algorithm for Mining Frequent Sequential Patterns in Large Sequence Datasets	Apr-15	J.K.K. Nataraja College of Engineering and Technology
5	P.Ramya	Data Leakage detection in WSN Using Signature Generation.	28th March 2015.	Jaya Engineering College
		A frame work for user behaviour monitoring cloud using flexible group key generator .	20th March 2015.	Kongunadu College of Engineering and Technology
6	R.Keerthana	Futuristic computing and communication technologies.	27th March 2015.	Nandha Engineering College.
		Enchaning the Performance of Manet by using PUMA	20th March 2015.	Kongunadu College of Engineering and Technology ,
7	N.R. Jayashree	Minimization of Route in Ammnet using Energy Efficint Reliable Routing Algorithm	April, 2015	Tamilnadu College of Engineering

		Message Authentication & Source Privacy using BAC Technology in Wireless Sensor Networks	20th & 21th March 2015	J.K.K. Nataraja Engineering College
2013-2014				
1	A.Kannammal	Monitoring And Detecting Malware Behaviour in Mobile Cloud Infrastructure	April 4,5-2014	Jayam College of Engineering And Technology
2	R.Kavipriya	High Speed Pool of Aggregated Data in Multi Hop Wireless Network	2 nd March, 2014	
3	D.Sumathi	Dynamic big data storage on cloud using secure erasure code cloud storage system	12th Feb 2014	Aishwarya College of Engineering and Technolog
4	R.suresh	Significant Throughput Improvement in Hybrid Wireless Networks using PMRC and PSDC	2nd Feb 2014	Aishwarya college of engineering and technology
5	M.Nandhini	Detecting sinking behavior in wireless Adhoc Networks using SVM and FDA	Feb 17th2013	Interscience Research Technology
6	S.Sankar	Knowledge Based Active Visual Segmentation	Jan 9-11, 2013	Sasuri Engineering College
		Object Identification and Knowledge Base Segmentation	21&22 Feb 2013	Bannari Amman Institute of Technology
7	P.Ramya	Resource Controlled Replica Allocation Cluster for Secured MANET against Selfish Nodes	January 9 - 11, 2013.	Sasurie College of Engineering
		Secured MANET against Selfish Nodes using Resource Controlled Replica Allocation Cluster	March 8-9,2013	Selvam College of Technology
8	I.Anbarasu	Reliable Test Cases Extraction Using Simple K-Means Clustering Algorithm	March,2 013	Sona College of Technology, Salem.
9	R.Sathyaseelan	Preventing phishing page by 3 level filtering using MPB	7-Mar-13	Raajas Engineering College
10	P.Sathishkumar	Hop Optimal Algorithm With Greedy Link Scheduler To Avoiding Link Failure For Multihop Wireless Networks	April,20 13	ST. Xavier's College
		Detection Of Clone Attacks For Wireless Sensor Networks Using Red Protocol And Rawl	2013	Jei Mathaajee College of Engineering
		Balanced Security In Multi Agent System	2013	SNS College of Engineering

11	R.Thangam	Increasing The Link Quality Through Maximizing Throughput In Wireless Mesh Networks	Mar-2013	Thiruvalluvar College of Engineering and technology
		Mobile Application For Accessing The Datas Through Mobile Devices: A Survey	Mar-2013	J.K.K.NATTRAJA College of Engineering and Technology
		Level Set Bias Field Corrected Mammogram Image and Threshold Segmentation for Breast cancer detection	Mar-13	Thiruvalluvar College of Engineering and technology
2012-2013				
1	A.Kannammal	Zone based stateless transmission in MANET	March 4,5-2013	MVJ Coollege of Engineering
		Non Parametric Colour image Segmentation Using mean Shift Clustering and MDL Principle	March 9-2013	K.S.R. College of Engineering, Tiruchengode
		Geographic Locatable Multicast Protocol	March,6 -2013	K.S. Rangasamy College of Technology
		Virtual Tree Based Transmission in MANETS	March 14-2013	AVS Engineering College
		Optimal replica placement in graph based data grids	6th April 2013	Jayalakshmi Institute of Technology
		A comparative study of the performance of various nonlinear filters for the removal of impulse noise	March 7& 8-2013	Sree Narayana Gurukulam College of Engineering
2	R.Kavipriya	Securing privacy data from sequential background knowledge attacks	15 th March 2013	Jayalakshmi Institute of Technology
		Securing privacy data from sequential background knowledge attacks	19th & 20th April 2013	Jayam College of Engineering and Technology, Dharmapuri
		Centalized Data Resource Allocation with reduced Energy Consumption in Wireless Network	March 16 th 2013	Dhanalakshmi Srinivasan Engineering College.
		Centalized Data Resource Allocation with reduced Energy Consumption in Wireless Network	15 th March 2013	Mahendra Engineering College
3	S.Shobana	Mobility enabled wireless sensor networks using Rendezvous algorithm	April 5th and 16 th 2013	Vidhya vikas College of Engineering and Technology, Trichengode.

		Efficient rendezvous algorithms for Mobility enabled Wireless sensor Networks	March 15 th 2013	Mahendra Engineering College, Namakkal.
		Guided Protection of Location Privacy using Dummies for Location Based Services	April 19 & 20 2013	Jayam College of Engineering and Technology, Dharmapuri.
		Mobility based Wireless sensor Networks	March 15 th 2013	Mahendra Engineering College, Namakkal
		Adoptive Parent based framework for ZIGBEE cluster tree network to optimize the distributed throughput	March 20 th 2013	Jayalakshmi Institute of Technology ,Thoppur
		Image retrieval based on Biased Maximum Margin Analysis	March 22 nd 2013	Excel Engineering College, Nammakkal.
4	D.Sumathi	Adaptive Parent Based Framework for Zitbee Cluster Tree Network To Optimize Distributed Throughput	19 th ,20 th , April, 2013	Xtreme Engine ering and Technological Advancements
5	R.Suresh	Text Detection and Localization using Binarization and CRE Model	19 th ,20 th , April,20 13	Xtreme Engineering and Technological Advancements
6	C.Srimathi	Java „J2EE,JBOSS“ ,	January 17 & 18 2013	JUDCon2013: India at Bangalore.
7	M.S. Lakshmi	Image retrieval based on Biased Maximum margin Analysis	19 th ,20 th , April,20 13	Xtreme Engineering and Technological Advancements
8	A.Kamakshi	Centralized Data Resource Allocation with Reduced energy Consumption in Wireless Network	19 th ,20 th , April,20 13	Xtreme Engineering and Technological Advancements
2011-2012				
1	A.Kannammal	Improved Performance Staggered Admission Control in Shadow Fading for MANET	9 th & 10 th March 2012	Jayam College of Engineering and Technology.
2	R.Kavipriya	The Effectiveness and Efficiency of the proposed cluster based routing protocol for delay tolerant mobile networks	29 th March 2012	Mahendra Engineering College, Nammakal.
		Intrusion deletion system based on Data System Approach	12 th March 2012	V.M.K.V (VINAYAKA MISSION),Salem

3	S.Shobana	Data collection in Wireless Sensor Networks based on MASP	March 1 st to 3 rd 2012	Vivekananda Institute of Engineering and Technology, Trichengode.
		Flame Discovery of Pattern in Datasets	March 9 th and 10 th 2012	J.K.K Nataraja College of Engineering and Technology.
4	D.Sumathi	Improving hardware assisted virtualization for network security in cloud computing	7th - 9th March 2012	PGP Institute of Technology,Coimbatore
		Distributed Metadata Management for Large Cluster Based Storage	9 th & 10 th March 2012	J.K.K Nataraja College of Engineering and Technology.
		Task Scheduling Approach for Resource Management in Cloud Environment	17 th & 18 th April 2012.	Selvam College of Technology

20. Areas of consultancy and income generated :

S.No	Academic year	Income	Software	Coordinator
1	2013-2014	Financial Basis	Billing Software for PN Jewels, Dharmapuri	1.D.Sumathi 2.S.Sankar
2	2012-2013	Financial Basis	Billing Software for Dasappa Banana Merchant, Palacode	1.S.Sankar 2.P.Sathish Kumar

21. Faculty as members in

S.No	Committees	No.of Faculty	
1	National Committees	ISTE	3
		CSI	3
2	International Committees	-	
3	Editorial Boards	-	
4	Paper Settes	-	

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme:

Course	In-house projects percentage (%)
U.G	62.04
P.G	64.82

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:

Course	Projects percentage (%)
U.G	37.96
P.G	35.18

23. Awards / Recognitions received by faculty and students many faculty members are rewarded with cash prize by the management for producing 100% & above 95% results in Anna University examinations

Academic year	Faculty name	Award	Subject	Organization
2011-2012	R. Kavipriya	Cash prize	High speed networks	Jayam college of engineering and technology
	R.Suresh	Cash prize	C # and dot net	Jayam college of engineering and technology
	A.Kannammal	Cash prize	Internet programming	Jayam college of engineering and technology
	D.Sumathi	Cash prize	Software project management	Jayam college of engineering and technology
	C.Vinoth	Cash prize	Data warehousing and datamining	Jayam college of engineering and technology
	M.Kiruthika Devi	Cash prize	Pc hardware & trouble shooting	Jayam college of engineering and technology
	S.Shobana	Cash prize	Software engineering	Jayam college of engineering and technology
	D.Rekha	Cash prize	Computer networks	Jayam college of engineering and technology
	M.Kiruthika Devi	Cash prize	Pc hardware & trouble shooting	Jayam college of engineering and technology
	D. Sumathi	Cash prize	Mobile computing	Jayam college of engineering and technology
2012-2013	N.gajalakshmi	Appreciation	Principles of compiler design	Jayam college of engineering and technology
	C.vinoth	Appreciation	Data warehousing and datamining	Jayam college of engineering and technology
	R.Geethanjali	Appreciation	Principles of compiler design	Jayam college of engineering and technology

	S. Chandra sekaran	Appreciation	Open source tools and components	Jayam college of engineering and technology
	A. Kannammal	Appreciation	C # and dot net	Jayam college of engineering and technology
	R. Kavipriya	Appreciation	Information security	Jayam college of engineering and technology
	K. Premalatha	Appreciation	Computer graphics	Jayam college of engineering and technology
	M.Krithika devi	Appreciation	Pc hardware trouble shooting	Jayam college of engineering and technology
	J. Dhanalakshmi	Appreciation	Environmental science and engineering	Jayam college of engineering and technology
2013-2014	C.Arivazghan	Cash prize	Artificial intelligence	Jayam college of engineering and technology
	I.Anbarasu	Cash prize	Data warehousing and datamining	Jayam college of engineering and technology
	K.Kavitha	Cash prize	High speed networks	Jayam college of engineering and technology
	R.Suresh	Cash prize	C # and dot net	Jayam college of engineering and technology
	M.S.lakshmi	Cash prize	Open source tools and components	Jayam college of engineering and technology
	A.Kamakshi	Cash prize	High speed networks	Jayam college of engineering and technology
	C.Srimathi	Cash prize	Cloud computing	Jayam college of engineering and technology
	R.Kavipriya	Cash prize	Information security	Jayam college of engineering and technology
	D.Anitha	Cash prize	Object oriented analysis and design	Jayam college of engineering and technology
	K.Lalli	Cash prize	Software engineering	Jayam college of engineering and technology
	P.Ramya	Cash prize	Principles of compiler design	Jayam college of engineering and technology
	D.Sumathi	Cash prize	Object oriented analysis and design	Jayam college of engineering and technology
	I.Anbarasu	Cash prize	Operating system	Jayam college of engineering and technology
	K.Premalatha	Cash prize	Computer organization and architecture	Jayam college of engineering and technology
	P.Ramya	Cash prize	Database management system	Jayam college of engineering and technology
P.Sathish kumar	Cash prize	Computer organization and architecture	Jayam college of engineering and technology	
	M.S.Lakshmi	Cash prize	Software quality assurance	Jayam college of engineering and technology
	N.R.Jayashree	Cash prize	High speed networks	Jayam college of engineering and technology
	M.Nandhini	Cash prize	Theory of computation	Jayam college of engineering and technology

2014-2015	S.Sankar	Cash prize	Artificial intelligence	Jayam college of engineering and technology
	I.Anbarasu	Cash prize	Object oriented analysis and design	Jayam college of engineering and technology
	P.Ramya	Cash prize	Computer networks	Jayam college of engineering and technology

Our Students have participated in various events and won prize

S.No	Name	Game	Level	Place
2014- 2015				
1	P.M.Manjula	Ball Badminton	Zonal	Second
2	C.Dhanalakshmi	Ball Badminton	Zonal	Second
3	Baliya Haritha	Badmiton	Zonal	Second
4	A.Santhosh	Foot Ball	Zonal	Second
5	E.Adhiyaman	Cricket	Zonal	Second
6	R.Jansi Rani	Hammer Throw	Zonal	First
7	M.Aswini	4X 400m Relay	Zonal	Second
8	S.Suresh Kumar	4X100m Relay	Zonal	Second
9	Karthikeyan.V	Volley ball	Zonal	Second
2013-2014				
1	C.Udhaya Kumar	Cricket	Intra mural sports fest	Third
2	Suresh kumar.S	Cricket	Intra mural sports fest	Third
3	Santhosh.A	Football	Zonal	Runner
4	Adhiyaman.E	Football	Village level competition	Runner
5	Adhiyaman.E	Cricket	Intra mural sports fest	Third
6	Nithya.D	Weight lifting	Intra mural sports fest	Runner
7	Suresh kumar.S	4X100 m Relay	Zonal Athletic meet	Second
8	Arun kumar.K	Weight lifting	Intra mural sports fest	Third
9	Arun kumar.K	Cricket	Intra mural sports fest	Third
10	Suresh kumar.S	Athletic 100m	Intra mural sports fest	Third
11	Suresh kumar.S	4X100 m Relay	Intra mural sports fest	Third
2012-2013				
1	Ramya.C	Ball badminton	Zonal	First
2	Kulasekaran.A	Ball badminton	Zonal	Third
3	Jansi rani.R	Athletic	Zonal	Third
4	Sathish.R	Ball badminton	Zonal	Third
5	Ribekka.P	Athletic	Zonal	First
6	Ribekka.P	Athletic	Zonal	Third
7	Ribekka.P	Athletic	Zonal	Second
8	Girinath.S	Hand ball	Zonal	First
9	Subash Chandra bose.R	Hand ball	Zonal	First
10	Subash Chandra bose.R	Athletic	Zonal	Second
11	Subash Chandra .R	Athletic	Zonal	First
12	Parthiban.R	Volley ball	Zonal	Second
13	Amrutha.L	Athletic	Zonal	Second
14	Aswini.M	Athletic	Zonal	Third
15	Aswini.M	Athletic	Zonal	First

16	Jansi rani.R	Volley ball	Zonal	First
2011-2012				
1	Anand.P	Cricket	Zonal	First
2	Anand.P	Cricket	National	Participated
3	Anand.P	1500m	Zonal	Second
4	Anand.P	4X400m Relay	Zonal	First
5	Subash Chandra bose.R	Athletics (tripple jump)	Zonal	First
6	Subash Chandra bose.R	Athletics(long jump)	Zonal	Second
7	Subash Chandra bose.R	Athletics (4x100m)	Zonal	Third
8	Subash Chandra bose.R	Athletics (tripple jump)	District	First
9	Subash Chandra bose.R	Athletics (tripple jump)	District	Second
10	Subash Chandra bose.R	Athletics (tripple jump)	District	Second
11	Subash Chandra bose.R	Athletics (long jump)	District	Second
12	Subash Chandra bose.R	Athletics (long jump)	District	Third
13	Subash Chandra bose.R	Athletics (long jump)	District	Third
14	Kulasekaran.A	Ball badminton	Inter-zonal	Third
15	Arun kumar.G	Hockey	Zonal Athletic meet	Third
16	Parthiban.R	4x400m Relay	Zonal athletic meet	Third
17	Arun kumar	4x100 m	Zonal	Third
18	Sathiya priya.P	Volley ball	Intra-level competition	Second
19	Geetha.S	Volley ball	Intra-level competition	Second
20	Premavathi.K	Volley ball	Intra-level competition	Second
21	Vidhya.B	Volley ball	Intra-level competition	Second
22	Indhu.R	Volley ball	Intra-level competition	Second
23	Sowndarya.A	Volley ball	Intra-level competition	Second
24	Indhu.R	Ball badminton	Intra-level competition	First
25	Vidhy.B	Ball badminton	Intra-level competition	First
26	Geetha.S	Ball badminton	Intra-level competition	First
27	Sathiya priya.P	Ball badminton	Intra-level competition	First
28	Sathiya priya.P	Relay	Intra-level competition	First
29	Sowndarya.A	Relay	Intra-level competition	First
30	Sowndarya.A	100m	Intra-level competition	First
31	Sowndarya.A	400m	Intra-level competition	Second
32	Sowndarya.A	200m	Intra-level competition	First
33	Premavathi.K	Relay 4x100	Intra-level competition	First
34	Geetha.S	Relay 4x100	Intra-level competition	First
35	Geetha.S	1500m	Intra-level competition	First
36	Victor Immanuel.J	Hand ball	Intra-level competition	Third
37	Parthiban.R	Weight Lifting	Intra-level competition	Second
38	Subash Chandra bose.R	Athletics (tripple jump)	Intra-level competition	First

39	Subash Chandra bose.R	Athletics (long jump)	Intra-level competition	Second
40	Subash Chandra bose.R	Athletics (100 m)	Intra-level competition	Second
41	Subash Chandra bose.R	Relay 4x100	Intra-level competition	First
42	Subash Chandra bose.R	Relay 4x100	Intra-level competition	Second
43	Subash Chandra bose.R	Cricket	Intra-level competition	Third
44	Subash Chandra bose.R	Hand ball	Intra-level competition	Third
45	Jagadesh.K	Cricket	Intra-level competition	First
46	Kulasekaran.A	Hand ball	Intra-level competition	Third
47	Kulasekaran.A	Cricket	Intra-level competition	Third
48	Ragini.R	Weight Lifting (69Kg)	Intra-level competition	First
49	Kulasekaran.A	Ball badminton	Intra-level competition	Third
50	Kanagaraj.J	Cricket	Intra-level competition	Third
51	Kanagaraj.J	Hand ball	Intra-level competition	Third
52	Kanagaraj.J	Relay 4x100	Intra-level competition	First
53	Kanagaraj.J	Relay 4x100	Intra-level competition	Third
54	Kanagraj.J	Running 400m	Intra-level competition	Second
55	Kanagraj.J	1500m	Intra-level competition	Second
56	Divya.V	Ball badminton	Intra-level competition	First
57	Kopperum devi.P	Ball badminton	Intra-level competition	First
58	Lakshmi Narashiman.S	Cricket	Intra-level competition	Third
59	Prasantha kumara.S	Ball badminton	Intra-level competition	First

24. List of eminent academicians and scientists / visitors to the department

Academic year	Name of the Academician / Scientist/ Industrialist	Name of the college/Organization
2011-2012	Mrs Reshmi	IIT , Bombay
	Mr.T.Senthil Kumar	Amrita University
	Ms.R.Bhuvaneshwari	Selvam College of Tech,Namakkal
	Mr G.Venkatesh	ICTACT, Chennai
2012-2013	Dr N.Ramesh	Government Arts College for Men
	Mr.G.Prakash	Sona College of Technology,Salem
	Dr.N.Ramesh	Government Arts College for Men
	Mr.T.Senthil Kumar	Amrita University
	Adarsh Rajput	Geeks Lab Technologies
	Mr R.Krishnan Rajagopalan	Novell Software Development India Pvt Ltd
	Mr.Veerapuram Vardhan	Research & Development, Novell Software Development India Pvt Ltd
Mr.B.Madhusudhanan	R&D, IIT Madras	

2013-2014	Mr R.Krishnan Rajagopalan	Novell Software Development India Pvt Ltd
	Mr.RaviKumar Ramadoss	Infosys,Bangalore
	Dr .M.Thilagavathy	Adhiyamaan College of Engineering
2014-2015	Mr.V.Siva Kumar	Adhiyamaam College of Engineering
	Mr.V.LAkshmananarayanan	ICTACT, Coimbatore
	Mr.V.Balaji	ICTACT,Coimbatore
	Mr.Bhanu Kumar	NIT Data Global Delivery Services Ltd
	Mr.G.Mathan Kumar	ICTACT, Coimbatore
	Mr Shanmugavel	Senior Trainer of ICTACT
	Dr T.Lalitha	Professor in Sona College of Technology

25. Seminars/ Conferences/Workshops organized & the source of funding

Academic year	Categories	Title of the program	Source of the fund
2014 – 15	National Conference	XETA -2015	Self
	National Level Students Technical Symposium	DAZZTECH -2k15	Self
	Guest Lecturer	Computer Networks	Self
2013-2014	Workshop	Cloud Computing	Self
	National Conference	XETA -2014	Self
	National Level Students Technical Symposium	DAZZTECH -2k14	Self
	Workshop	Cloud Computing	Self
2012-2013	National Conference	XETA 2013	Self
	Workshop	Unleashing the cloud & virtualization	Self
	Seminar	Open Source Tools and Components	Self
	Workshop	Android Programming & Application Development	Self
	Seminar	Research methodology	Self
	National Level Students Technical Symposium	DAZZTECH -2k12	Self
	Guest Lecture	Advanced Computer Architecture	Self
	Guest Lecture	Probability And Queuing Theory	Self
2011-2012	Seminar	Database Management System	Self
	Workshop	Green Computing	Self
	XIV ISTE Annual Students Convention 2011	Green Engineering for sustainable Development	Self
	Workshop	IITB Spoken Tutorial	Self
	National Conference	XETA -2K11	Self
	Guest lecture	Formal Languages and Theory	Self

	Guest lecture	High Speed Networks	
	Guest Lecture	YOGA	
	Guest Lecture	Theory of Computation	Self

26. Student profile programme/course wise:

Academic Year	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled	
				*M	*F
2014-2018	B.E - Computer Science and Engineering	32	32	22	10
2013-2017		40	40	16	24
2012-2016		83	83	46	37
2011-2015		68	68	44	29
2014-2016	M.E - Computer Science and Engineering	3	3	2	1
2013-2015		16	16	4	12
2012-2014		18	18	9	9
2011-2013		18	18	6	12

*M = Male *F = Female

27. Diversity of Students

Academic Year	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2014-2018	B.E - Computer Science and Engineering	96	4	--
2013-2017		98	2	--
2012-2016		95	5	--
2011-2015		96	4	--
2014-2016	M.E - Computer Science and Engineering	100	0	--
2013-2015		100	0	--
2012-2014		100	0	--
2011-2013		84	16	--

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Name of the Competitive	No. of Students Qualified			
	2011-12	2012-13	2013-14	2014-15
GATE	--	--	--	--
Civil Services	--	--	--	--
Defence Service	--	--	--	--
Public Sectors	--	01	02	--

29. Student progression

Student Progression	2014-2015	2013-2014	2012-2013	2011-2012
UG to PG	5	4	2	-
PG to Ph.d	Nil	1	Nil	Nil
Ph.d to Post -Doctoral	Nil	Nil	Nil	Nil
Employed				
Campus Selection	13	19	15	26
Other than campus Recuirement	35	24	13	12
Entrepreneurship	5	7	10	7

30. Details of Infrastructural facilities

a) Library:

S.No	Particulars	CSE
1	Plinth Area	33 Sq.m
2	Book Volumes	531
3	National journals	12
4	International Journal(UG&PG)	12
5	Titles	2096
6	Project Reports	399

b) Internet facilities for staff & students:

Internet provider	Available bandwidth	No.of Computers
BSNL	20 Mbps	290

c) Class rooms with ICT facilities: 02

d) Laboratories:

S. No	Name of the Laboratory	Area(Sq.Mts)	Total Investment (Rs.in Lakh)
1	Internet & Java Programming Lab	6.8X10.77=72.90	9,64,868
2	PG Computer Lab	6.8X10.77=72.90	8,31,257
3	OP/OS Lab	7.2X10.46=75.64	11,49,078
4	CG/DBMS Lab	7.2X10.46=75.64	9,83,526
5	OOPS/OOAD Lab	6.8X10.77=72.90	8,53,157
6	System Software/Networking Lab	6.8X10.77=72.90	8,44,007
7	Internet & Java Programming Lab	6.8X10.77=72.90	9,64,868
8	PG Computer Lab	6.8X10.77=72.90	8,31,257

31. Number of students receiving financial assistance from college, university, government or other agencies

Agency	Number of student received financial Assistance			
	Academic Year			
	2011-2012	2012-2013	2013-2014	2014-2015
College	6	6	6	6
University	-	-	-	-
Government	156	159	119	95
Other Agencies	-	-	-	-

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Academic year	Name of the resource person	Type	Title of the program	Date
2014-2015	Mr V.Siva Kumar, Assoc prof, Adhiyamaan College of Engg	Guest Lecturer	Computer Networks	04.03.2015
2013-2014	Mr R.Krishnan Rajagoplan, Novell Software Development India Pvt Ltd, Mr.RaviKumar Ramadoss, Infosys, Bangalore	Workshop	Cloud Computing	28.02.2014 & 01.03.2014
	S.Madhu Kumar, Programmer, Aspeya solution Provide	Add on Course	Ethical Hacking	15.07.2013 to 19.07.2013
2012-2013	Mr R.Krishnan Rajagoplan, Novell Software Development India Pvt Ltd, Mr.RaviKumar Ramadoss, Infosys, Bangalore	Workshop	Unleashing the cloud & virtualization	1.03.2013 13.04.2013
	Mr.Veerapuram Vardhan, Research & Development, Novell Software Development India Pvt Ltd	Seminar	Open Source Tools and Components	11.03.2013 to 12.03.2013
	Adarsh Rajput, Geeks Lab Technologies	Workshop	Android Programming & Application Development	26.02.2013 to 27.02.2013
	Mr.B.Madhusudhanan, R&D, IIT Madras	Seminar	Research methodology	12.12.2012
	G.Prakash, Professor, Sona college of Technology(12-13)	Guest Lecture	Advanced Computer Architecture	30.11.2012
	N.Ramesh, Asst Prof/Maths, Government Arts College for Men(12-13)	Guest Lecture	Probability And Queuing Theory	05.10.2012
2011-2012	Mr G.Venkatesh, ICTACT Team Leader	Seminar	Database Management System	27.08.2012 & 28.02.2012
	T.Senthil Kumar, Professor/CSE, Amrita University	Workshop	Green Computing	02.11.2011

	P.Reshmi, Spoken Tutorial Event management	Workshop	IITB Spoken Tutorial	21.12.2011
	R.Bhuvaneshwari,Asst.prof,Selvam College of Tech,Namakkal	Guest lecture	Formal Languages and Theory	21.03.2012
	Prof T.Senthil Kumar,Amrita University,Coimbatore	Guest lecture	High Speed Networks	21.03.2012
	Mr Mahesh, Asst Prof,Adhiyamaan College of Engineering	Guest Lecture	Probability Queuing Theory	26.03.2012 & 27.03.2012
	R.Bhuvaneshwari,Asst.prof,Selvam College of Tech,Namakkal	Guest Lecture	Theory of Computation	13.03.2012

33. Teaching methods adopted to improve student learning

Various Teaching Methodologies are followed strategies to help students with different learning styles learn and encourage them to be responsible for their own learning:

1. Lecture by Chalk and Talk
2. Lecture with a quiz / questions
3. Tutorial
4. Demonstration (Such as model, laboratory, field visit)
5. Group Discussion
6. Group Assignment/ Project
7. Presentations
8. e-content through national and international portals such as NPTEL <http://nptel.iitm.ac.in>

Apart from usual teaching methodologies, faculties are given training on the campus of Mind Tree Technologies. This sort of training help campus to connect with corporate which in turn benefits the students. For developing the communication skills of the student conduct several programs. Latest software's are used to promote the practical skills of the students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

2012-2013				
S. No	Name of the Program	Date	Place	Attending Cates
1	Combined annual training camp	27.12.2011 05.01.2012	CSI,Hr. Sec School, Salem,	4

2	Republic day	26.01.2012	Jayam College of Engineering and Technology, Dharmapuri.	11
3	Rainwater harvesting	03.03.2012	Jayam College of Engineering and Technology, Dharmapuri.	6
4	Tree plantation	01.08.2012	Jayam College of Engineering and Technology, Dharmapuri.	12
5	Independence day	15.08.2015	Jayam College of Engineering and Technology, Dharmapuri.	10
6	Combined annual training camp	26.09.2012 05.10.2012	St. pauls Hr. Sec. School, Salem	5
7	Combined annual training camp (over all performance)	26.09.2012 05.10.2013	St. pauls Hr. Sec. School, Salem	2
8	NCC day	24.11.2012	Jayam College of Engineering and Technology, Dharmapuri.	10
9	Annual training camp	22.12.2012 31.12.2012	AVS Arts and Science - Salem	8
10	Combined annual training camp (over all Shield)	22.12.2012 31.12.2013	AVS Arts and Science - Salem	3
2013-2014				
1	Republic day	26.01.2013	Jayam College of Engineering and Technology, Dharmapuri.	10
2	Special Camp	13.02.2013 19.02.2013	Bikkampatti Panchayat	9
3	Explanation of fire Service and Rescue department by NCC officer	02.03.2013	Jayam College of Engineering and Technology, Dharmapuri.	13
4	Blood donation camp	03.03.2013	Dharmapuri medical college	6
5	Combined annual training camp (over all Shield)	12.06.2013 21.06.2013	KRS engineering and technology - Thiruchengode	7
6	Independence day	15.08.2013	Jayam College of Engineering and Technology, Dharmapuri.	10
7	Save power energy	02.11.2013	Jayam College of Engineering and Technology, Dharmapuri.	12
8	NCC day	22.11.2013	Jayam College of Engineering and Technology, Dharmapuri.	10

2014-2015				
1	Republic day	26.01.2014	Jayam College of Engineering and Technology, Dharmapuri.	9
2	Blood donation	14.02.2014	Ganesh Arts and Science college, Salem	4
3	Road safety & traffic rules (Nallanur - Dharmapuri)	03.03.2014	Jayam College of Engineering and Technology, Dharmapuri.	5
4	Special Camp	19.03.2014-25.03.2014	Kuthappadi Panchayat	9
5	Clean India	03.08.2014	Jayam College of Engineering and Technology, Dharmapuri.	8
6	Independence day	15.08.2014	Jayam College of Engineering and Technology, Dharmapuri.	5
7	Combined annual training camp	26.09.2014 05.10.2014	Holy Cross Mat. Hr. Sec. School - Salem	7
8	Combined annual training camp	26.09.2014 05.10.2014	Holy Cross Mat. Hr. Sec. School - Salem	8
9	NCC day	21.11.2014	Jayam College of Engineering and Technology, Dharmapuri.	4
2015-2016				
1	Republic day	26.01.2015	Jayam College of Engineering and Technology, Dharmapuri.	7
2	International day of YOGA	21.06.2015	AVS Arts and Science - Salem	1
3	Independence day	15.08.2015	Jayam College of Engineering and Technology, Dharmapuri.	5

35. SWOC analysis of the department and Future plans

Strength

- Motivating students to participate in various activities like symposiums and conferences workshops and seminars
- The Lecture notes are uploaded on the Intra-mail and students engage themselves in clearing the doubts on/offline with the staff
- A team of well experienced, skilled & dedicated faculty members are sharing their knowledge to the students through various innovative teaching methodologies Excellent infrastructure
- Adequate laboratory and library facilities

- The students are benefited by the Mind Tree campus connect training program
- Motivating students to participate in various activities like symposiums and conferences workshops and seminars
- Conduct Aptitude and Placement Training by the faculty for the students in the regular Time table.
- The faculty members are trained through faculty development programs and various workshops
- Strong mentoring and student support system taking care of all students
- Availability of Internet Facility at any time

Weakness:

- Consultancy works from Industry should be obtained
- Consultancy works from Industry should be obtained
- Funded projects should be obtained
- Less number of Ph.D. faculty
- Research and development could be further improvised
- Students from rural background and Tamil medium struggle hard to acclimatize themselves to the new environment in the First year
- Less number of funded projects

Opportunities:

- Supportive management
- Student's involvement in many co-curricular and extra-curricular activities
- Continuous improvement process for developing for rural students knowledge
- Apart from curriculum students tend to learn & gain technical knowledge through e-learning, FOSS,NPTEL
- Employability training, both technical and soft skill trainings are given to the students by Mind tree campus connect

Challenges:

- Getting 100 % placement in tier-one, tier-two companies.
- Enhancing rural students to get placed in top MNC's

- Achieve more university ranks
- Improving Student communication skill

Future Plans:

- Increase number of Publications in refereed journals.
- Get more MoU's signed with various universities and companies.
- Get funded projects from government organizations such DST, AICTE etc
- Extend the infrastructure for research and development.
- Develop R&D cell to enhance research activities for funded projects
- To become recognized research center of Anna university
- To encourage the faculty to register for Ph.D Programme and increase the PhDs in the department
- To motivate the staff and the students to publish research articles in Journals
- To secure more University Rank

1. Name of the department : **ELECTRICAL AND ELECTRONICS ENGINEERING**
2. Year of Establishment : **2003**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Name of the programme	Specialization	Year of establishment	Duration	Full Time /Part Time
B.E	Electrical and Electronics Engineering	2003	4	Full Time
M.E	Power Electronics and Drives	2009	2	Full Time

4. Names of Interdisciplinary courses and the departments/units involved:

S.No	Departments involved	Course offered by the departments	Year & Branch
1	Science and Humanities	Technical English I & II	I & EEE
2	Science and Humanities	Engineering Physics I & II	I & EEE
3	Science and Humanities	Engineering Chemistry I & II	I & EEE
4	Science and Humanities	Engineering Mathematics I & II	I & EEE
5	Mechanical Engineering	Engineering Graphics	I & EEE
6	Computer Science Engineering	Computer Programming	I & EEE
7	Mechanical Engineering	Basic Civil and Mechanical Engineering	I & EEE
8	Science and Humanities	Transforms and Partial Differential Equations	II & EEE
9	Science and Humanities	Numerical Methods	II & EEE
10	Computer Science Engineering	Object Oriented Programming	II & EEE
11	Electronics and Communication Engineering	Discrete Time Systems and Signal Processing	II & EEE
12	Mechanical Engineering	Power Plant Engineering	III & EEE

13	Electronics and Communication Engineering	Communication Engineering	III & EEE
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5. Annual/ semester/choice based credit system (programme wise)

Programme	Specialization	Pattern
B.E	Electrical and Electronics Engineering	Semester based
M.E	Power Electronics and Drives	Semester based

6. Participation of the department in the courses offered by other departments

S.No	Departments Involved	Course offered by the departments	Semester
1	Mechanical Engineering	Basic Electrical and Electronics Engineering	I
2	Civil Engineering	Basic Electrical and Electronics Engineering	I
3	Mechanical Engineering	Electrical drives and control	II
4	Mechanical Engineering	Electrical Engineering Lab	II
5	Electronics and Communication Engineering	Electrical and Instrumentation Engineering	II
6	Electronics and Communication Engineering	Electrical Engineering and Control systems Lab	II
7	Aeronautical engineering	Control Engineering	V

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

S.No	Course Name	Participation Institution / Industry
Nil		

8. Details of courses/programmes discontinued (if any) with reasons: **NIL**

9. Number of Teaching posts

Teaching Post	Sanctioned	Filled
Professors	2	1
Associate Professors	3	3
Asst. Professors	10	11

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

S. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	R.Balasankar	M.E	Asso.Prof	Power Systems Engineering	14 Years 5 Months	-
2	Dr. M.C. John Wiselin	Ph.D	Professor	Power Systems Engineering	11 Years 3 Months	-
3	R.Yalini	M.E	Asso.Prof	Power Electronics and Drives	10 Years	-
4	B.Gokulakrishnan	M.E	Asso.Prof	Power Systems Engineering	15 Years 6 Months	-
5	A.Ambika	M.E	Asst.Prof	Applied Electronics	8 Years	-
6	S.Ramesh Babu	M.E	Asst.Prof	Applied Electronics	4 Years 1 Months	-
7	K.Sathiyavani	M.E	Asst.Prof	Power Systems Engineering	8 Years 1 Months	-
8	S.Krishnamurthy	M.E	Asst.Prof	Applied Electronics	5 Years 3 Months	-
9	Vijayalakshmi. A	M.E	Asst.Prof	Applied Electronics	3 Years 7 Months	-
10	V.Ramya	M.E	Asst.Prof	Power Electronics and Drives	2 Years 6 Months	-
11	A.Ramesh Kumar	M.E	Asst.Prof	Power Electronics and Drives	2 Years 5 Months	-
12	K.Sridhar	M.E	Asst.Prof	Power Electronics and Drives	4 Years 2 Months	-
13	B.Prasanth	M.E	Asst.Prof	Embedded System	3 Month	-

14	K.Sathya	M.E	Asst.Prof	Power Systems Engineering	2 Month	-
15	P.Duraisamy	M.E	Asst.Prof	Power Electronics and Drives	1 Month	-

11. List of senior visiting faculty:

S.No	Name	Designation	Organization	Subject Handled
Nil				

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Nil

13. Student -Teacher Ratio (programme wise)

Name of the Programme	No. of Faculty	No. of Students	Student-Teacher Ratio
B.E	12	177	1:15
M.E	3	11	1:4

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

S.No	Type of Staff	Sanctioned	Filled
1	Academic Support Staff (Technical)	4	4
2	Administrative Staff	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

No. of Faculty with DSc/D.Litt/Ph.D	No. of Faculty pursuing Ph.D	No. of Faculty with PG (M.E/M.Tech)
1	5	9

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Faculty Name	Project Title	Customer	Funds Received	Status
Nil				

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

S.No	Project Name	Funded by	Total Grands
Nil			

18. Research Centre /facility recognized by the University: Nil

19. Publications:

S. No.	Name of the faculty	No. of publications	Mono graphs	Chapter in books	Books edited	Books with ISBN/ ISSN numbers with details of publisher	Citation index	SNIP (source normalized impact per person)	SJR(sc imago journal rank)	No. of publications with impact factor	No. of publications with h-index
1.	R.Balasankar	1	-	-	-	ISSN 0973-4562	-	-	-	-	-
2	Dr. M.C. John Wiselin	11	-	-	-	ISSN 1687-8442 0975-8887 2249-6297 2229-3183 2249-0701 2249-0698	-	-	-	11	-
3.	R.Yalini	1	-	-	-	ISSN 0973-4562	-	-	-	-	-
4.	B.GokulaKris hnan	2	-	-	-	ISSN 2278-7844 ISSN 0973-4562	-	--	-	1	1
5.	A.Ambika	1	-	-	-	ISSN 0973-4562 Vol 10	-	-	-	1	-
6.	K.Sathiyavani	4				ISSN 2320-8708 ISSN 2319-7064 ISSN 2278-0181 ISSN 2349-3585				2	--

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

S.No	Committees	No.of Faculty	
1	National Committees	ISTE	7
		IETE	--
		IEEE	02
2	International Committees	-	
3	Editorial Boards	-	
4	Paper Settes	-	

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme :

Course	In-house Projects Percentage (%)
U.G	60
P.G	80

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:

Course	Projects Percentage (%)
U.G	40
P.G	10

23. Awards / Recognitions received by faculty and students

Academic Year	Name of the Faculty with Designation	Details of the Award/ Recognitions received	Awarding Authority
2011-12	R.Balasankar, HoD	Rs 1000 cash award for 95-100 % of University Results	JCET
	B.Gokulakrishnan, Asso.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	R.Yalini, Asso.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	L.P.Vettrivelan, Asso.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	S.Ramesh Babu, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
2012-13	R.Balasankar, HoD	Rs 1000 cash award for 95-100 % of University Results	JCET
	R.Yalini, Asso.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	L.P.Vettrivelan, Asso.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	V.Purushothaman, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	A.Ambika, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
2013-14	R.Balasankar, HoD	Rs 1000 cash award for 95-100 % of University Results	JCET
	A.Vijayalakshmi	Rs 1000 cash award for 95-100 % of University Results	JCET

2014-15	R.Balasanakar, HoD	Rs 1000 cash award for 95-100 % of University Results	JCET
	B.Gokulakrishnan, Asso.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	K.Sathyavani, Asst. Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	R.Yalini, Asso.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	S.Krishnamurthy, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET

Academic Year	Name of the Student	Details of the Award/ Recognitions received	Awarding Authority
2011-12	Harish Ismail	25 % of Tuition Fees weaving for I Place in Last academic year Results	JCET
	Manikandan.K	25 % of Tuition Fees weaving for II Place in Last academic year Results	JCET
	Samuel.K	Won cash award in AARUUSH 2011	SRM University, Chennai
2012-13	Shalini.T	25 % of Tuition Fees weaving for I Place in Last academic year Results	JCET
	Tamizhagan.V	25 % of Tuition Fees weaving for II Place in Last academic year Results	JCET
	Samuel.K and Natraj.M	Won cash award in ETPE 2012	Sona College of Technology, Salem
2013-14	Samuel.K	25 % of Tuition Fees weaving for I Place in Last academic year Results	JCET
	Sugavaneswaran	25 % of Tuition Fees weaving for II Place in Last academic year Results	JCET
2014-15	Deepika.D.M	25 % of Tuition Fees weaving for I Place in Last academic year Results	JCET
	Gangubai.K	25 % of Tuition Fees weaving for II Place in Last academic year Results	JCET

24. List of eminent academicians and scientists / visitors to the department

S. No	Year	Name of the Academician/ Scientist/ Industrialist	Designation	Organization	Purpose of visit
1	2011-2012	Dr.J.Christymanoraj	Professor	GCE Salem	Guest Lecture
2		Mr.Vaithyanathan	Trainer	R.R. circuit Solutions	Workshop

3		Mr.Abi Kalyan	Trainer	PPM, CCTS-Chennai	Workshop
1	2012-2013	Dr.J.Christymanoraj	Professor	GCE Salem	Guest Lecture
2		B.Srinivasan	Professor	KSR College of Engg Tirucengode	Guest Lecture
3		Mr.vetri	Deputy director	NPIT,chennai	Guest Lecture
4	2013-2014	K.Perumal	Trainer	SSS Technology Dharmapuri	Workshop
5		Parthiban	Actor	Chennai	Guest Lecture
6		C.Murali	Assistant professor	GCE Salem	Guest Lecture
7		Dr.D.Thandapani	Professor	Principal JCET	Workshop
8		Dr.J.Christymanoraj	Professor	GCE Salem	Guest Lecture
9	2014-2015	Mr.C.Murali	Assistant professor	GCE Salem	Guest Lecture
10		Mr.Vaithiyanathan	Trainer	R.R. circuit Solutions	Workshop
11		Mr.Perumal	Trainer	Optimus Technogrates	Guest Lecture (Add on course)
12		Head of training Department	Trainer	MSIC Chennai	Workshop
13		Dr.J.Christymanoraj	Professor	GCE Salem	Guest Lecture
14		Venkatesan.N	Assistant professor	JCET/ECE	Guest Lecture
15		Vadivel.S	Assistant professor	JCET/ECE	Guest Lecture
16		K.Subramani	Trainer	Industrialist Chennai	Guest Lecture

25. Seminars/ Conferences/Workshops organized & the source of funding

S.No	Seminars/Conferences/Workshops organized	Title of the Program	Source of Funds
Academic Year 2014-2015			
1	XETA2K15	National Level Conference	JCET
2	DAZZTECH2K15	National Level Students Technical Symposium	JCET
Academic Year 2013-2014			
1	XETA2K14	National Level Conference	JCET
2	DAZZTECH2K14	National Level Students Technical Symposium	JCET

Academic Year 2012-2013			
1	XETA2K13	National Level Conference	JCET
2	DAZZTECH2K13	National Level Students Technical Symposium	JCET
Academic Year 2011-2012			
1	XETA2K12	National Level Conference	JCET
2	DAZZTECH2K12	National Level Students Technical Symposium	JCET

26. Student profile programme/course wise:

Academic Year	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled	
				*M	*F
2014-2018	B.E - Electrical and Electronics Engineering	42	42	31	11
2013-2017		67	67	55	12
2012-2016		63	63	50	13
2011-2015		65	65	55	10
2014-2016	M.E - Power Electronics and Drives	5	5	--	5
2013-2015		13	11	4	7
2012-2014		17	17	13	4
2011-2013		16	16	10	6

*M = Male *F = Female

27. Diversity of Students

Academic Year	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2014-2018	B.E - Electrical and Electronics Engineering	100	-	--
2013-2017		100	--	--
2012-2016		100	--	--
2011-2015		100	--	--
2014-2016	M.E - Power Electronics and Drives	100	--	--
2013-2015		100	--	--
2012-2014		100	--	--
2011-2013		93.75	6.25	--

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Name of the Competitive	No. of students qualified			
	2011-12	2012-13	2013-14	2014-15
GATE	--	--	--	--
Civil Services	--	--	--	--
Defence Service	--	--	--	--
Public Sectors	02	01	--	--

29. Student progression

Student progression	Against % enrolled			
	2011-12	2012-13	2013-14	2014-15
UG to PG	14.9	18.75	5.33	7.14
PG to Ph.D	--	--	--	--
Employed				
I Campus selection	74.62	15.6	20	21.42
II other than campus recruitment	--	50	54.66	57.14
Enterprenurship/ Self-Employment	10.44	15.65	20	14.20

30. Details of Infrastructural facilities

a) Library:

S. No	Particulars	EEE
1	Plinth Area	33 Sq.m
2	Book Volumes	486
3	National journals	9
4	International Journal(UG&PG)	6
5	Titles	713
6	Project Reports	128

b) Internet facilities for staff & students:

Internet provider	Available bandwidth	No.of Computers
BSNL	20 Mbps	86

c) Class rooms with ICT facilities: 02

d) Laboratories:







S.No	Name of the Laboratory	Area(Sq.mts)	Total Investment (Rs.in Lakh)
1	Digital And Integrated Circuits Lab	73.85	3,00000.00
2	Micro Processor And Micro Controller Lab	93.73	3,41,000.00
3	Devices And Circuits Lab	62.49	4,51,000.00
4	Power System Simulation Lab	76.69	20,00000.00
5	Power Electronics And Drives Lab-PG	88.05	18,00000.00
6	Power Electronics Lab-UG	71.01	5,00000.00
7	Control And Instrumentation Lab	73.85	3,51,000.00
8	Research Lab	73.85	6,01000.00
9	Electrical Machines Lab-I	223.5	20,00000.00
10	Electrical Machines Lab-II	223.5	

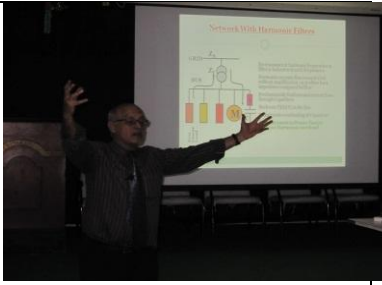

31. Number of students receiving financial assistance from college, university, government or other agencies

Agency	Number of student received financial Assistance			
	Academic Year			
	2011-2012	2012-2013	2013-2014	2014-2015
College	6	6	6	6
University	-	-	-	-
Government	102	112	90	108
Other Agencies (Mindtree)	-	-	5	10

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

2011-2012					
S. No	Name of the event	Organized by	Date	No of participant	
1	Project planning Management	CIVIL,EEE, ECE, Association	26-01-2012	CAD center Training service conducted by PPM,CCTS Chennai, 66 students are participated in the guest lecture	
2	Recent trends in power system and SCADA	EEE Association	28-02-2012	Conducted by National power training institute conducted one day workshop There are 69 students are participated in the workshop	
3	Development of self confidence	JCET Association	17-03-2012	One day guest lecture There are 60 student are participated	
2012-2013					
1	Embedded system	EEE Association	26-09-2012	One day guest lecture There are 66 student are participated	

2	Engineering Awareness for school students	JCET Association	20-10-2012	One day workshop conducted by sri vinayaga vidhyalaya mat HR. Sec .school There are 120 students participated	
3	Awareness in Electrical Equipment Handling	EEE Association	06-02-2013 To 09-02-2013	No of participants Three days workshop organized by TANGED 66students participated	
4	Electrical Machine design	EEE	07-04-2013	One day guest lecture conducted by K.S.R. College of engg. There were 62 student participated	
2013-2014					
1	Embedded systems	EEE Association	26-09-2013	One day workshop conducted by project and training centre There were 62 students participated	
2	Embedded systems	EEE	12-07-2013	Oneday workshop conducted by training centre There were 66 student participated	
2014-2015					
1	PLC Automation	EEE Association	04-08-2014	5 day works. There were 120 students participate conducted by SSS Technology , micro system	

2	Liner integrated circuit	ECE Association	15-10-2014	There are 66 students participated	
3	Power Quality	EEE Association	11-03-2015	One day workshop. There are 62 students were participated	
4	Introduction to Aero Modelling & UAC carrier	EEE Association	14-08-2015	Conducted by NSIC Technical service center Chennai. There are 10 students are participated	

33. Teaching methods adopted to improve student learning

- Activity based learning methodology like case studies, role play, analogy ,quiz , group discussion etc is adopted to enable the students understand the concepts clearly.
- A course file containing lecture notes, question banks, Assignment samples, and slides is maintained by the faculty member for each course.
- Beyond the syllabus in the theory and practical courses are included for bridging the gap between the curriculum and industrial standards.
- Expert lectures from industrialists and academicians are arranged for bridging the curriculum gap.
- Value added courses are conducted for the third and final year students to meet the industrial needs.
- Also the feedback from the employer of our alumni is taken as a tool to analyze our teaching methodology and improvements are done wherever needed.
- Peer learning method is adopted to help our slow learning students to score better.
- Performance of the students is intimated to the parents after the internal assessment tests and the feedback from the parents is also taken as a tool to improve the level of the students.
- Fee waiver is awarded to the students who secure first two places and score above 80% in the two consecutive semesters of an academic year.

- University results are analyzed and effective counseling is given to the students to make them know the importance of learning.
- Classroom monitoring committee is formed to confirm the conduction of classes.
- Also department review meetings are conducted for reviewing the academic and departmental works.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

2012-2013				
S. No	Name of the Program	Date	Place	Attending Cadets
1	Combined annual training camp	27.12.2011 05.01.2012	CSI,Hr. Sec School, Salem,	4
2	Republic day	26.01.2012	Jayam College of Engineering and Technology, Dharmapuri.	11
3	Rainwater harvesting	03.03.2012	Jayam College of Engineering and Technology, Dharmapuri.	6
4	Tree plantation	01.08.2012	Jayam College of Engineering and Technology, Dharmapuri.	12
5	Independence day	15.08.2015	Jayam College of Engineering and Technology, Dharmapuri.	10
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2	Special Camp	13.02.2013 - 19.02.2013	Bikkampatti Panchayat	9

3	Explanation of fire Service and Rescue department by NCC officer	02.03.2013	Jayam College of Engineering and Technology, Dharmapuri.	13
4	Blood donation camp	03.03.2013	Dharmapuri medical college	6
5	Combined annual training camp (over all Shield)	12.06.2013 21.06.2013	KRS engineering and technology - Thiruchengode	7
6	Independence day	15.08.2013	Jayam College of Engineering and Technology, Dharmapuri.	10
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5	Clean India	03.08.2014	Jayam College of Engineering and Technology, Dharmapuri.	8
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2015-2016				
1	Republic day	26.01.2015	Jayam College of Engineering and Technology, Dharmapuri.	7
2	International day of YOGA	21.06.2015	AVS Arts and Science - Salem	1
3	Independence day	15.08.2015	Jayam College of Engineering and Technology, Dharmapuri.	5

35. SWOC analysis of the department and Future plans

Strength:

- Excellent infrastructure and well equipped independent laboratories
- Spacious class rooms and Visual learning centre with NPTEL videos
- Experienced and dynamic faculty team with good academic background
- Systematic execution of teaching learning process and special attention for weaker students
- Value added programs are scheduled in the regular time table which enables the students to build their technical skills

Weakness:

- Level of quality of students at the entry level is poor in communication as they are from rural background
- Lack of funded projects
- Lack of placements in core companies

Opportunities:

- To provide awards/ incentives for both faculties and students
- Carrier guidance and placement activities are provided to all the students
- Encourage the faculties and students to actively involved in extra and co curricular activities

Challenges:

- Modernization of laboratories
- Arising funded projects
- To enhance number of students opting for entrepreneurship.

Future Plans:

- To motivate the faculty members perusing higher studies
- Planned to Start new P.G programmes in next two years
- Improve the research activities in the department
- To sign MoUs with leading industries

1. Name of the Department : **INFORMATION TECHNOLOGY**
2. Year of Establishment : **2001**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

S.No	Programme	Year of Establishment
1	B.Tech- Information Technology	2001
2	M.Tech- Information Technology	2011

4. Names of Interdisciplinary courses and the departments involved:

S. No	Departments	Course code	Course offered
1	ECE	CS6201	Digital Principles and System Design (I B.Tech IT)
		IT6211	Digital Laboratory (I B.Tech IT)
		CS2202	Digital Signals and Principles Design (II B.Tech IT)
		IT2201	Principles of Communication (II B.Tech IT)
		CS2252	Microprocessor & Microcontroller (II B.Tech IT)
		CS2207	Digital Laboratory (II B.Tech IT)
		CS2259	Microprocessors Lab (II B.Tech IT)
		IT2302	Information Theory and Coding (III B.Tech IT)
		CS2403	Digital Signal Processing (III B.Tech IT)
		IT2354	Embedded System (III B.Tech IT)
2	MBA	MG2452	Engineering Economics & Financial Accounting (III B.Tech IT)
		080250044	Principles of Management (VII B.Tech IT)
3	Mechanical	GE6152	Engineering Graphics (I BE CSE)
		GE6162	Engineering Practice Lab(I BE CSE)
4	S & H	HS6151	Technical English I (I B.Tech IT)
		MA6151	Mathematics -I (I B.Tech IT)
		PH6151	Engineering Physic - I (I B.Tech IT)
		CY6151	Engineering Chemistry - I (I B.Tech IT)
		GE6162	Physics and Chemistry Laboratory -I (I B.Tech IT)
		MA6251	Mathematics -II (I B.Tech IT)
		PH6251	Engineering Physic - II (I B.Tech IT)
		HS6251	Technical English II (I B.Tech IT)
		CY6251	Engineering Chemistry - II (I B.Tech IT)
GE6262	Physics and Chemistry Laboratory -II (I B.Tech IT)		

5. Annual / semester/choice based credit system (Programme wise):
 B.Tech- Information Technology - Semester Pattern
 M.Tech- Information Technology - Semester Pattern
6. Participation of the department in the courses offered by other departments:

S.No	Departments	Course code	Courses offered
1	EEE	GE6151	Computer Programming
		GE6161	Computer Practices Laboratory
		EE2204	Data Structures and Algorithms
		EE2209	Data Structures and Algorithms Lab
		CS2311	Object Oriented Programming
2	ECE	CS2312	Object Oriented Programming Lab
		CS2363	Computer Networks
		CS2411	Operating Systems
		GE6151	Computer Programming
		GE6161	Computer Practices Laboratory
		EC2204	Data Structures and Object Oriented Programming in C++
		EC2209	Data structures and Object Oriented Programming Lab

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

S.No	Course Name	Participating Institution / Industry
1	Quantitative Aptitude Training	Focus Academy for careeEnhancement(FACE)
2	Soft Skills	D-ARC, Kerala
3	Corporate Training and placement	MindTree - MindTree innovative Training program,Bangalore
4	Business Development Analyst	Idayam Group
5	Software skill development program	Google Apps
6	Positive Thinking and Right Carrier	Mr S.V .Venkatesh, MD & CEO Raman International Institute of Information Technology, Mysore
7	Internships and placement	Raman International Institute of Information Technology,Mysore
8	Android Programming and Application Development	GEEKS Lab Technologies pvt ltd
9	Placement Training	Academy of Excellence , Salem
10	IITB Spoken Tutorial	Mrs Reshmi, IIT Bombay
11	Mission10X workshop	Wipro limited , Bangalore

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	2	1
Associate Professors	3	2
Asst. Professors	10	4

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S.No	Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
1	P. Selvi	M.E	ASP	CSE	7	-
2	K. Krishnan	M.E,(Ph.D)	ASP	CSE	7	-
3	M.Rajagopal	M.E	AP	CSE	6	-
4	H.Shabuddeen	M.E	AP	IT	4	-
5	M.Surendhar	M.Tech	AP	CSE	3.11	-
6	R.Geethanjali	M.E	AP	CSE	3.8	-
7	J.Rajesh	M.E	AP	CSE	1.8	-
8	M.Natarasan	M.E	AP	CSE	1.5	-
9	D.Prabhu Kumar	M.E	AP	CSE	0.5	-
M.Tech-INFORMATION TECHNOLOGY						
1	U. Nilabar Nisha	M.E,(Ph.D)	ASP	CSE	9	-
2	H.Vijayakumar	M.E	AP	SE	5	-
3	N. Backiavathi	M.E	ASP	CSE	7	-

11. List of senior visiting faculty

S.No	Name	Designation	Organization	Subject handled
Nil				

12. Percentage of lectures delivered and practical classes handled (programme wise) by Temporary faculty: Nil

13. Student -Teacher Ratio (programme wise)

S.No	Programme	Student Teacher Ratio
1	B.Tech - Information technology	1:6
2	M.Tech - Information technology	1:2

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

S.No	Name	Sanctioned	Filled
1	Academic Support Staff	4	1

The Details of Technical staff and Administrative staff are given below:

S.No	Name of the Non-Teaching staff	Designation
1	S.Rajasekar	Lab Technician

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

S.No	Qualification	No of Teaching faculty
1	Ph.D	1
2	PG	6

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received :Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Level of Funding	Title of the Project	Funding Agencies	Amount in Rs	Status 2013-14
National	Records trends in computing techniques	AICTE	4,00,000	Applied

18. Research Centre /facility recognized by the University: Nil

19. Publications:

International/National Journals	International/National Conferences
13	12

National and International Journals

Name of the faculty	Publications	Journal
R.Saravana kumar	A fast clustering based flexible and accurate motif detector technique for high dimensional data	International journal of information science and education research
	Data management and data analysis interoperability in medical research	International journal of advanced information and communication technology
M.Rajagopal	An advanced security system on multi-cloud data sharing	International journal of information science and education research
H.Shabuddeen	Optimization of resource	International journal of

	provisioning cost in cloud computing	information science and education research
P.Selvi	Privacy preserving confidential auditing for data storage security using cloud computing	International journal of information science and education research

Faculty Conference

Academic Year (2013- 2014)

S.No	Staff Name	Title of the Paper	Venue
1	Saravana Kumar .R	A Clustering based Fast Technique for High Dimensional Datasets	Jayam College of Engg and Tech
2	Rajagopal.M	Prohibition Of Collision Resolution Of Multihop Wireless Network Using Chorus Protocol	Jayam College of Engg and Tech

Academic Year (2012 - 2013)

S.No	Staff Name	Title of the Paper	Venue
1	Selvi.P	Data Storage in Cloud Computing in a Secured Manner	Jayam College of Engg and Tech

20. Areas of consultancy and income generated:

S.No	Academic year	Income	Software	Coordinator
1	2013-2014	Financial Basis	Student's Feedback	R.Saravanakumar
2	2012-2013	Financial Basis	Transfer certificate	D.Vinoth

21. Faculty as members in

S.No	Committees	No.of Faculty	
1	National Committees	ISTE	7
		IETE	--
		IEEE	02
2	International Committees	-	
3	Editorial Boards	-	
4	Paper Settes	-	

22. Student projects

S.No	Description	Percentage of students
1	Percentage of students who have done in-house	78 %

	projects including interdepartmental/ programme	
2	Percentage of students placed for projects in organizations outside the institution	22 %

23. Awards / Recognitions received by faculty and students Faculty:

Our faculty have participated in various events and won prize

- Many Staff are rewarded by the management for 100% results in Anna University examinations with cash prize.
- Our faculty have participated in various events and won prize.

Academic Year	Faculty name	Award	Subject	Organization
2013-14	P.Selvi	Cash Prize	Data Warehousing & Datamining	Jayam college of Engineering & Technology
	R.Saravana kumar	Cash Prize	Database management systems	Jayam college of Engineering & Technology
	M.Senbagavalli	Cash Prize	Xml & webservice & Network programing management	Jayam college of Engineering & Technology
	G.Gokula krishnan	Cash Prize	Enterprise resource planning	Jayam college of Engineering & Technology
	H.Shabudden	Cash Prize	multicore architecture	Jayam college of Engineering & Technology
	C.Sivakumar	Cash Prize	software project management(PG)	Jayam college of Engineering & Technology
	K.Krishnan	Cash Prize	cloud computing(PG)	Jayam college of Engineering & Technology
	N.Backiavathy	Cash Prize	software project management(UG)& Operating systems	Jayam college of Engineering & Technology
	N.Swathy Nandhini	Cash Prize	computer Networks&cryptograpy and Networksecurity	Jayam college of Engineering & Technology
	M.Rajagopal	Cash Prize	Highspeed Networks	Jayam college of Engineering & Technology
	U.Nilabar Nisha	Cash Prize	web Technology&OOSE	Jayam college of Engineering & Technology
	H.Vijayakumar	Cash	Embedded Systems	Jayam college of

		Prize		Engineering & Technology
	M.Ravi chandran	Cash Prize	object oriented systems design& cloud computing(UG)	Jayam college of Engineering & Technology
2012-13	P.Selvi	Cash Prize	componenet based technology&software project management	Jayam college of Engineering & Technology
	P.Kalaiarasi	Cash Prize	software project management&Mobile computing	Jayam college of Engineering & Technology
	K.Krishnan	Cash Prize	c# and .Net	Jayam college of Engineering & Technology
	G.Gokula krishnan	Cash Prize	Enterprise resource planning	Jayam college of Engineering & Technology
2011-12	N.Backiavathy	Cash Prize	Principles of compiler Design&Design and Analysis Algorithm	Jayam college of Engineering & Technology

S.No	Awards	Faculty Name	Organizations
1	Best Interdisciplinary Paper Award	R.Saravanakumar	IEEE Computer Society
2	Faculty Excellence Award Silver	Nil	Wipro Mission10X
3	Faculty Excellence Award Silver	P.Selvi	Wipro Mission10X
4	Faculty Excellence Award Bronze	M.Senbagavalli	Wipro Mission10X
5	Faculty Excellence Award Bronze	N.Backiavathi	Wipro Mission10X
6	Faculty Excellence Award Bronze	N.Swathynandhi	Wipro Mission10X
7	Faculty Excellence Award Bronze	P.Kalaiarasi	Wipro Mission10X

Students

Our Students have participated in various events and won prize.

S.No	Awards	Students Name	Organizations
1	Best Outgoing Student Award	Louis merry.S	Jayam college of Engineering & Technology
2	ISTE Best Paper Award	Louis merry.S	ISTE Tamilnadu & Pondicherry Chapter

ACADAMIC YEAR 2013-14

S. No	Name of the student	Event	Topics	Organizer	Prize award
1	M.Udhaya kumar	National Level Symposium	Paper Presentation	Narasus Sarathi Institute of Technology	Participant

2	M.Udhaya kumar	National Level Symposium	Paper Presentation	Er.Perumal Manimegalai College of Engg	Participant
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Academic year 2012-13

S. No	Name of the student	Event	Topics	Organizer	Prize award
1	A.Irban	National Level Symposium	Paper Presentation	Excel Engineering College	Participant
2	M.Aadhithyan	National Level Symposium	Paper Presentation	Excel Engineering College	Participant
3	R.Raj Kumar	National Level Symposium	Paper Presentation	Excel Engineering College	Participant
4	M.Vanitha	National Level Symposium	Paper Presentation	NIT, Salem	Participant
5	C.Valarmathi	National Level Symposium	Paper Presentation	NIT, Salem	Participant
6	P.V.Hari	National Level Symposium	Ad-Zap	Srinivasa Engineering College, Bommidi	Third Prize
7	S.Hariprasad	National Level Symposium	Ad-Zap	Srinivasa Engineering College, Bommidi	Third Prize
8	J.Jayavel	National Level Symposium	Ad-Zap	Srinivasa Engineering College, Bommidi	Third Prize
9	Karthik.G	National Level Symposium	Ad-Zap	Srinivasa Engineering College, Bommidi	Third Prize
10	J.Jayavel	National Level Symposium	Quiz	Srinivasa Engineering College, Bommidi	Second Prize

University Rank Holders in B.Tech-Information Technology

Academic Year	University	Student Name	Rank
2013	Anna University	Priyanka.V	46
		Kalpana.B.N	6
		Iyswariya.A	8
2015	Anna University	Louismary.S	10

		Rasheeda.A	36
		Valarmathi.C	48

Awards / Recognitions received by Students in Sports
Academic Year (2013 - 2014)

S. No	Name of the student	Game	Event conducted at	Prizes won / participation
1	Moratanch.N	Basket Ball	Selvam College of Technology	Second
2	Kavitha.L.R	Basket Ball	Selvam College of Technology	Second
3	Clementina.W	Basket Ball	Selvam College of Technology	Second
4	GnanaMozhi.K	Basket Ball	Selvam College of Technology	Second
5	Vaiyapuri.C	Kabadi	Selvam College of Engineering and Technology	Second
6	Murali.G	Kabadi	Selvam College of Engineering and Technology	Second
7	Madhan Kumar.K	Kabadi	Selvam College of Engineering and Technology	Second
8	Santhosh Kumar.K	Kabadi	Selvam College of Engineering and Technology	Second
9	Vaiyapuri.C	Kabadi	G.C.E Salem	Second
10	Murali.G	Kabadi	G.C.E Salem	Second
11	Vijayashanthi.V	Badminton	Jayam College of Engineering and Technology	Second
12	Karthika.M	Ball Badminton	Jayam College of Engineering and Technology	First
13	Ramya.R	Ball Badminton	Jayam College of Engineering and Technology	First
14	Rahini.E	Ball Badminton	Jayam College of Engineering and Technology	First
15	Karthika.M	4 x 400 Relay	Jayam College of Engineering and Technology	Third
16	KayalVizhi.G	Disk Throw	Jayam College of Engineering and Technology	Second

17	Kavitha.L.R	Disk Throw	Jayam College of Engineering and Technology	Third
18	Moratanch.N	Ball Badminton	Jayam College of Engineering and Technology	First
19	Ramya.R	Volley Ball	Jayam College of Engineering and Technology	Third
20	Clementina.E	1500 Mts	Jayam College of Engineering and Technology	Second
21	Kiran.B	Short Put	Jayam College of Engineering and Technology	First
22	Kiran.B	Disk Throw	Jayam College of Engineering and Technology	First
23	Captain Prabhakaran	Chess	Jayam College of Engineering and Technology	First
24	Vaiyapuri.C	Kabadi	Jayam College of Engineering and Technology	Third
25	Madhan Kumar.M	Kabadi	Jayam College of Engineering and Technology	Third
26	Silambarasan.P	Volley Ball	Jayam College of Engineering and Technology	Third
27	Sarath Kumar.D	Volley Ball	Jayam College of Engineering and Technology	Third
28	Vinoth Kumar.R	Volley Ball	Jayam College of Engineering and Technology	Third

ACADAMIC YEAR (2012-13)

S. No	Name of the student	Game	Event conducted at	Prizes won/ participation
1	B.Kiran	Shot put	Adhiyamaan College of Engineering	Second
2	B.Kiran	Hammer throw	Adhiyamaan College of Engineering	First
3	R.Easwaran	Running 1500 mts	Adhiyamaan College of Engineering	Second
4	B.Kiran	Wight	Youth affairs &	Participate

		lifting	sports,govt.of india	
5	B.Kiran	Wight lifting	Tamilnadu Powerlifting Association	Third Price
6	B.Kiran	Wight lifting	Adhiyamaan College of Engineering	Third Price
7	B.Kiran	Shot put	Sport development authority of tamil nadu	Participate
8	B.Kiran	Hammer throw	Adhiyamaan College of Engineering	First
9	B.Kiran	Shot put	Jayam college of engg and Tech.	second
10	B.Kiran	Wight lifting	Salem Distric Powerlifting Association	Third Price
11	R.Easwaran	4*400 mts rielay	Adhiyamaan College of Engineering	Second
13	Priya Dharshini T.R	Table tennis	Jayam college of engg and Tech.	Runner

Academic Year 2011-2012

S. No	Name of the student	Game	Event conducted at	Prizes won/ participation
1	Moratanch.N	Basket Ball	Selvam College of Technology	Second
2	Kavitha.L.R	Basket Ball	Selvam College of Technology	Second
3	Clementina.W	Basket Ball	Selvam College of Technology	Second
4	GnanaMozhi.K	Basket Ball	Selvam College of Technology	Second
5	Vaiyapuri.C	Kabadi	Selvam College of Engineering and Technology	Second
6	Murali.G	Kabadi	Selvam College of Engineering and Technology	Second

24. List of eminent academicians and scientists / visitors to the department

Academic Year 2013-14			
S. No	Name	Designation	Organization
1	Fathima	HOD/IT	Adhiyaman College of Engineering and Technology
2	Sakthivel.B	HOD/CSE	P.S.V College of Engineering and Technology
3	Siva Kumar.R	Software Engineer	PHI Learning Private Limited,Delhi

4	Srinivasan.T.R	Professor	Vivekanadha Engineering College,Namakkal
5	Ramani	Senior Software Engineer	Optimus Technologies and Solution,Coimbatore
6	Hajeera bagum.N	Software Engineer	Heaxaware Technology,Chennai
7	Suresh Kumar.C	Software Engineer	SCUDE Technologies,Chennai
Academic Year 2012-13			
1	Hajeera Bejum.N	Software Engineer	Hexaware Technology,Chennai
2	Elangovan.A	Software Engineer	HoneyWell Technology,Bangalore
3	Prasana Vignesh	Software Engineer	Zylog system,Chennai
4	Tamilarasu.K	Professor	JCET/CSE
5	Suganthi.P	Assistant Professor	P.S.V College of Engineering and Technology
6	Senthil Kumar.T	Assistant Professor	Amrita Deemed University,Coimbatore
Academic Year 2011-12			
1	Naveen	Head-Campus Recruitment	MindTree Ltd
2	Senthil Kumar.T	Assistant Professor	Amrita Deemed University,Coimbatore
3	Revathi.V	Assistant Professor	Adhiyaman College of Engineering
Academic Year 2010-11			
1	Senthil Kumar.T	Professor	Amrita Deemed University,Coimbatore
2	Tamil Selvi.T	Assistant Professor	JCET,CSE
3	Sathiyamoorthi.M	Team Leader	TCS,Chennai
4	Santhosh.M	Sys.Operation lead Specialist, SAN Administrator	IBM
5	Shanmugam Sundaram.R	Professor	GCE, Salem

25. Seminars/ Conferences/Workshops organized & the source of funding

Academic Year (2013 - 2014)

Categories	National	International	Source of Funds
Seminars	3	-	Jayam College of Engineering and Technology
Conferences		-	

Workshops		-	
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S.No	Name of the Resource Person	Type	Title of the Program	Date
1	R.Siva Kumar, PHI Learning private Limited, Delhi.	One Day Seminar	Seminar on mobile computing	09.08.2013
2	Dr.T.R.Srinivasan Vivekanandha Engineering College, Namakal.	Seminar	Seminar On Data Structure and Algorithm	18.09.2013
3	Ramani, Optimus Technologies and Solutions, Coimbatore	Seminar	Seminar on Multicore Architecture	22.10.2013

Academic Year (2012 - 2013)

Categories	National	International	Source of Funds
Seminars	3		Jayam college of Engineering and Technology
Conferences			
Workshops	1		Hexaware Technologies

S. No	Name of the resource person	Type	Title of the program	Date
1	Prof.K.Thamil Arasu, CSE, JCET	Seminar	Seminar on cryptography and network security	05.03.2013
2	P.Suganthi,IT PSV College of Engg. and Technology	Seminar	Seminar on enterprise computing	20.02.2013
3	T.Senthil Kumar Amirtha University, Coimbatore.	Seminar	Seminar on operating system	08.11.2012
4	N.Hajeera Begum, Hexaware Technologies, Chennai.	Workshop	Technical training program	21.08.2012

Academic Year(2011 - 2012)

Categories	National	International	Source of Funds
Seminars	4		Jayam College of Engineering and Technology
Conferences			
Workshops			

S.No	Name of the resource person	Type	Title of the program	Date
1	Prof.T.Senthil Kumar, Amirtha University, Coimbatore.	Seminar	Seminar on multimedia system	14.03.2012

2	V.Revathi, Adhiyaman College of Engineering, Hosur.	Seminar	Seminar on xml and web services	03.04.2012
3	Prof.T.Senthil Kumar, Amirtha University, Coimbatore	Seminar	Seminar on computer organization and architecture	28.12.2011
4	Prof.T.Senthil Kumar, Amirtha University, Coimbatore	Seminar	Seminar on data structure	06.01.2012

26. Student profile programme/course wise:

Name of the course programme	Application Received	Selected	Enrolled		Pass Percentage
			*M	*F	
B .Tech IT (2011 - 2015)	Not Application since Asmissions are made through GQ/MQ	24	14	8	35
B .Tech IT (2012 - 2016)		NIL	-	-	-
B .Tech IT (2013 - 2017)		NIL	-	-	-
B .Tech IT (2014 - 2018)		14	7	7	Pursuing
M .Tech IT (2011 - 2013)		18	8	10	100
M .Tech IT (2012 - 2014)		12	4	8	75
M .Tech IT (2013 - 2015)		4	1	3	75
M .Tech IT (2014 - 2016)		1		1	Pursuing

27. Diversity of Students

Academic Year	Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
2014-2018	B.Tech-IT	100	0	Nil
2013-2017	B.Tech-IT	Nil	0	Nil
2012-2016	B.Tech-IT	Nil	0	Nil
2011-2015	B.Tech-IT	100	0	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.

Academic Year	Name of the Course	No of Students		
		GRE	CAT	TANCET
2014-2015	UG	Nil	Nil	Nil
2013-2014	UG	Nil	Nil	2
2012-2013	UG	Nil	Nil	3
2011-2012	UG	Nil	Nil	1

29. Student progression

Student Progression	2014-2015	2013-2014	2012-2013	2011-2012
UG to PG	Nil	1	4	3

PG to Ph.d	Nil	1	1	2
Ph.d to Post -Doctoral	Nil	Nil	Nil	Nil

30. Details of Infrastructural facilities

a) Library

S.No	Particulars	IT
1	Plinth Area	33 Sq.m
2	Book Volumes	175
3	National journals	6
4	International Journal(UG&PG)	6
5	Titles	705
6	Project Reports	168

b) Internet facilities for Staff & Students : 169 Systems with 5 Mbps Connectivity

c) Classrooms with ICT facility : 2 Class rooms

d) Laboratories: List of Labs:

S.No	Name of the Laboratory	Total Area	Investment
1	Computer practice Lab 1	10.2X7.69=78.11 Sqm	9,64,868
2	Case Tool lab	10.2X7.69=78.11 Sqm	8,31,257
3	DBMS/OOPS Lab	13.2X8.00=105.85 Sqm	11,49,078
4	DSA/OS LAB Lab	13.2X8.00=105.85 Sqm	9,83,526
5	Programming lab	13.2X8.00=105.85 Sqm	8,53,157
6	PG Internet programming Lab	3.35X9.14=30.62 Sqm	8,44,007
7	PG Research Lab	3.35X9.14=30.62 Sqm	8,53,157

Labs Conducted:

S. No	Regulation	Name of the Laboratory	Labs Conducted
1.	2008	Computer Lab	GE2115 Computer Practice Lab -I GE2155 Computer Practice Lab-II IT2205- Data Structures Lab CS 2209 Object Oriented Programming Lab CS 2257 Operating Systems Lab CS 2258 Data Base Management Systems Lab CS2307 Network Lab CS2308 System Software Lab IT2305 Java Lab CS2357 Object Oriented Analysis & Design Lab IT2357 Web technology CS2405 Computer Graphics Lab
2.	2013	Computer Lab	IT6212 Programming and Data Structures Lab I IT6311 Programming and Data Structure Lab II IT6312 Database Management Systems Lab IT6413 Software Engineering Lab IT6511 Networks Lab IT6412 Operating Systems Lab

			IT6512 Web Programming Lab IT6513 Case Tools Lab IT6611 Mobile Application Development Lab IT6612 complier Lab IT6711 Data mining Lab IT6712 Security Lab It6713 Grid and Cloud Computing Lab
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31. Number of students receiving financial assistance from college, university, government or other agencies

32.Details on student enrichment programmes (special lectures / workshops /Seminar) with external experts

Academic year	Name of the resource Person	Type	Title of the program	Date
2014 – 15	M.Manikandan,Professor, Pavai Engineering College, Namakall	Guest lecturer	Web progeamming	09.02.2015
	Dr.Senthilkumar, Amrita Vishwa Vidyapeetham Ciombatore	Guest lecturer	Object oriented analysis and design	12.03.2015
	Dr.Fathima Hod/CSE Adhithiyaman College of Engineering	Guest lecture	Service oriented architecture	17.9.2014
	Prof.B.Sakthivel Hod/ IT PSV College of engg &Tech	Guest lecture	Probability and queuing theory	14.08.2014
2013 – 14	R.Siva Kumar, PHI Learning private Limited, Delhi.	One day seminar	Seminar on mobile computing	09.08.2013
	Dr.T.R.Srinivasan Vivekanandha Engineering College, Namakal.	Seminar	Seminar on data structure and algorithm	18.09.2013
	Ramani, Optimus Technologies and Solutions, Coimbatore	Seminar	Seminar on multicore architecture	22.10.2013
	N.Hajeera Begum Hexaware Technologies, Chennai.	Two days seminar	Seminar on cloud computing	08.01.2014 to 09.01.2014
2012 – 13	Prof.K.Thamil Arasu, Cse, JCET	Seminar	Seminar on cryptography and network security	05.03.2013
	P.Suganthi, IT PSV College of Engg. and	Seminar	Seminar on enterprise	20.02.2013

	Technology		computing	
	T.Senthil Kumar Amirtha University, Coimbatore.	Seminar	Seminar on operating system	08.11.2012
2011 – 12	Prof.T.Senthil Kumar, Amirtha University, Coimbatore.	Seminar	Seminar on multimedia system	14.03.2012
	V.Revathi, Adhiyaman College of Engineering, Hosur.	Seminar	Seminar on xml and web services	03.04.2012
	Prof.T.Senthil Kumar, Amirtha University, Coimbatore	Seminar	Seminar on computer organization and architecture	28.12.2011
	Prof. T. Senthil Kumar, Amirtha University, Coimbatore	Seminar	Seminar on data structure	06.01.2012

33. Teaching methods adopted to improve student learning Various Teaching Methodology are followed strategies to help students with different learning styles learn and encourage them to be responsible for their own learning:

1. Lecture by Chalk and Talk
2. Lecture with a quiz / questions
3. Tutorial
4. Demonstration (Such as model, laboratory, field visit)
5. Group Discussion
6. Group Assignment/ Project
7. Presentations
8. e-content through national and international portals such as
NPTEL <http://nptel.iitm.ac.in>

Apart from usual teaching methodologies, faculties are trained in the MindTree Company, faculties are given training on the campus of MindTree. This sort of training help campus to connect with corporate which in turn benefits the students. For developing the communication skills of the student Conduct Several Programs. Latest software's are used to promote the practical skills of the students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Through the E-Governance project students help the nearby rural areas.
- Students of YRC and NSS actively participate in blood donation camps and donate their blood
- Extra / Co-curricular activities like PCC, NSS, YRC are organized

35. SWOC analysis of the department and Future plans

Strength:

- Motivating students to participate in various activities like symposiums and conferences workshops and seminars
- The Lecture notes are uploaded on the Intra-mail and students engage themselves in clearing the doubts on/offline with the staff
- A team of well experienced, skilled & dedicated faculty members are sharing their knowledge to the students through various innovative teaching methodologies Excellent infrastructure
- Adequate laboratory and library facilities
- The students are benefited by the Mind Tree campus connect training program
- Motivating students to participate in various activities like symposiums and conferences workshops and seminars
- Conduct Aptitude and Placement Training by the faculty for the students in the regular Time table.
- The faculty members are trained through faculty development programs and various workshops
- Strong mentoring and student support system taking care of all students
- Availability of Internet Facility at any time

Weakness:

- Research and development could be further improvised
- Students from rural background and Tamil medium struggle hard to acclimatize themselves to the new environment in the first year
- Less number of funded projects

Opportunities:

- Supportive management
- Student's involvement in many co-curricular and extra-curricular activities
- Continuous improvement process for developing for rural students knowledge
- Employability training, both technical and soft skill trainings are given to the students by MindTree campus connect

Challenges:

- Enhancing rural students to get placed in top MNC's
- Achieve more university ranks
- Improving Student skill set as per industry needs.

Future Plans:

- Develop R&D cell to enhance research activities for funded projects
- To become recognized research center of Anna university
- To encourage the faculty to register for Ph.D Programme and increase the PhDs in the department
- To motivate the staff and the students to publish research articles in Journals
- To secure more University Rank

1. Name of the department : **AERONAUTICAL ENGINEERING**
2. Year of Establishment : **2009**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Name of the Programme	Specialization	Year of Establishment	Duration	Full Time / Part Time
B.E	Aeronautical	2009	4	Full Time

4. Names of Interdisciplinary courses and the departments/units involved:

S. No	Departments Involved	Courses Offered by the other Departments	Year & Branch
1	CSE	GE6161-Computer Practices Laboratory	I & AERO
2	EEE	GE6252-Basic Electrical and Electronics Engg	I & AERO
		GE6162- Engineering Practices Laboratory	I & AERO
3	Mechanical	GE6253-Engineering mechanics	I & AERO
		GE6162- Engineering Practices Laboratory	I & AERO
		GE6261-Comp. Aided Draft. & Modeling Lab	I & AERO
		ME2204-Fluid Mechanics And Machinery	III & AERO
		ME2204-Fluid Mechanics and Machinery Lab	III & AERO
4	ECE	GE6162- Engineering Practices Laboratory	I & AERO
		AE2401-Avionics	VII & AERO
5	S & H	HS6151-Technical English-I	I & AERO
		HS6251-Technical English-II	I & AERO
		GE6563-Communication skills, Lab Based	III & AERO
		MA6151-Mathematics-I	I & AERO
		MA6251-Mathematics-II	I & AERO
		MA6351-Transforms and Partial Diff. Eqn.	II & AERO
		MA6459-Numerical Methods	II & AERO
		PH6163-Engineering Physics-I	I & AERO
		PH6251-Engineering Physics-II	I & AERO
		GE6212- Physics Laboratory-I	I & AERO
		GE6252- Physics Laboratory-II(I BE AERO)	I & AERO
		PH6163- Chemistry Laboratory-I	I & AERO
		GE6252- Chemistry Laboratory-II	I & AERO
		CY6151-Engineering Chemistry-I(I BEAERO)	I & AERO
		CY6251-Engineering Chemistry-II	I & AERO
GE2111-Engineering Graphics	I & AERO		
GE2021-Environmental Science and Engg	V & AERO		
GE2112-Fundamentals of Comp. and Prog.	I & AERO		
6	MBA	MG2351-Principles of Management,	VII & AERO
		GE2022-Total Quality Management	VII & AERO

5. Annual/ semester/choice based credit system (programme wise)

Programme	Specialization	Pattern
B.E	Aeronautical Engineering	Semester based

6. Participation of the department in the courses offered by other departments

S.No	Departments Involved	Course offered by the departments	Semester
1	B.E. Aeronautical Engineering	Computer Science Engineering	I
2		Mechanical Engineering	III
3		Electrical & Electronics Engineering	V
4		Electronics & Communication Engineering	VII

8. Courses in collaboration with other universities, industries, foreign institutions, etc.

S.No	Course Name	Participating institution / industry
1	Soft Skill Training	D'ARC Chennai
2	Entrepreneur Orientation Program	National small scale industries corporation (NSIC)
3	Design and Fabrication of Hexo Copter	Barrola Aero SPORTS, Chennai
4	Uav Pilot Study	Nal (CSIR), Banglore.
5	Placement Training	Focus Academy Carrier Enhancement
6	NPTEL	IIT Kanpur

8. Details of courses/programmes discontinued (if any) with reasons: **NIL**

9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	1	1
Associate Professors	2	0
Asst. Professors	9	8

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

S. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	M.R.Subbarayan	M.E., (Ph.D)	Professor & Head	Thermal Power	15	-
2	S.Vinoth	M.E	Assistant Professor	Thermal	5	-
3	G.Suresh	M.E	Assistant Professor	CAD/CAM	1.5 year s	-
4	T.Vijayakanth	M.E	Assistant Professor	CAD/CAM	3	-
5	P.Siva	B.E	Pro-Term Lecturer	Aeronautical	4	-
6	M.Muthu	M.E	Assistant Professor	CAD/CAM	1.5 years	-
7	G.Rajagopal	M.E	Assistant Professor	Aeronautical	1	-
8	G.Bhagatsingh	M.E	Assistant Professor	CAD/CAM	2 years	-
9	M.Gowrisankar	M.E	Assistant Professor	CAD/CAM	1 year	-

11. List of senior visiting faculty:

S.No	Name	Designation	Organization	Subject Handled
Nil				

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

NIL

13. Student -Teacher Ratio (programme wise)

Name of the Programme	No. of Faculty	No. of Students	Student-Teacher Ratio
B.E	09	09	1:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

S.No	Type of Staff	Sanctioned	Filled
1	Academic Support Staff	02	02
2	Administrative Staff	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

S.No	Qualification	No.of.Teaching Faculty
1	PG	07
2	Ph.D.	01(Pursuing)
3	UG	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Faculty Name	Project Title	Customer	Funds Received	Status
Nil				

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

S.No	Project Name	Funded by	Total Grands
Nil			

18. Research Centre /facility recognized by the University: NIL

19. Publications:

S. No	Name of the faculty	No. of Publication	Monographs	Chapter in Books	Books Edited	Books with ISBN/ISSN numbers with details of publishers	Citation Index	SNIP	SJR	Impact factor	h-index
1	M.R.Subbarayan	08	-	-	-	-	-	-	-	2.0	-
2	S.Vinoth	01	-	-	-	-	-	-	-		-
3	T.Vijaykanth	01	-	-	-	-	-	-	-		-
4	G.Suresh	01	-	-	-	-	-	-	-		-

Name of the staff	Publications	Journal
M.R.Subbarayan	An experimental investigation of performance and emission characteristics of diesel engine with blends of cottonseed oil methylester with cold and hot EGR.	International Journal of Ambient Energy. Published online: 07 Apr 2015.
M.R.Subbarayan	Study of DI diesel engine fuelled with blends of pumpkin oil	International Journal of Applied Engineering

	methyl ester using EGR technique.	Research, ISSN 0973-4562 vol.10, no. 50 (2015) published : June 09, 2015
M.R.Subbarayan	A study of performance and emissions of DI Diesel engine fuelled with cotton seed oil methyl ester and pumpkin oil methyl ester and its blends with diesel using EGR	Biofuels accepted on Jun 22, 2015
M.R.Subbarayan	A Study of diesel engine fuelled with Madhuca Indica biodiesel and its blend with Diesel fuel	International Journal of Modern Engineering Research. Published: ISSN: 2249-6645 vol. 4, Issue 10, Oct. 2014.

Faculty Workshop

Staff name	Title of workshop	Date	Venue	Conducted University
S.Vinoth	Thermo dynamics	Nov 2011	Government Engineering College, Salem	IIT Bombay
S.Vinoth	Heat and mass transfer	May 2012	Government Engineering College, Salem	IIT Bombay
T.Vijaykanth	Computational fluid dynamics	May 2012	Government Engineering College, Salem	IIT Bombay
M.R.Subbarayan	Training of Evaluators /Resource Persons on OBA	MAY 2013	Bannariamman Institute of Technology-Sathiyamangalam	NBA
M.R.Subbarayan	Guidence Navigation and Control Technology Systems & Mobile Platforms	SEP 2013	Er.PERUMAL MANIMEKALAI COLLEGE OF ENGINEERING	AICTE
S.Vinoth	Guidence Navigation and Control Technology Systems & Mobile Platforms	SEP 2013	Er.PERUMAL MANIMEKALAI COLLEGE OF ENGINEERING	AICTE
M.R.Subbarayan	Orientation Program for	NOV 2013	Jayam College of Engineering	JCET

	Faculty		&Technology	
S.Vinoth	Orientation Program for Faculty	NOV 2013	Jayam College of Engineering &Technology	JCET
S.Vinoth	Computational fluid dynamics	Dec 2013	Government Engineering College, Salem	IIT Bombay
M.R.Subbarayan	GREEN ENERGY	JAN 2014	Jayam College of Engineering &Technology	JCET
M.R.Subbarayan	Energy harvesting on vapour compression refrigeration systems	Feb 2014	Selvam college of technology	Dept.mechanical engg
T.VijayKanth	Personal Effectiveness to Organizational excellence	Dec 2015	Knowledge Business School-Salem	CII
G.Suresh	Personal Effectiveness to Organizational excellence	Dec 2015	Knowledge Business School-Salem	CII

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

S.No	Committees	No.of.Faculty
1	National committees(ISTE)	03
2	International Committees	
3	Editorial	01
4	Boards	

22. Student projects

S.No	Committees	No.of.Faculty
1	Percentage of students who have done in-house projects including inter departmental/programme	60%
2	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies	40%

B.E.-Aeronautical Engineering:

Year	Total No.of Batch	Industry Project	In-House/ Own project
2013-2014	03	36%	64%
2012-2013	14	25%	75%
2011-2012	02	50%	50%
2010-2011	-	-	-

23. Awards / Recognitions received by faculty and students

Year	Faculty name	Award	Subject	Organization
2015-2016	S.Vinoth	Cash price	High Temperature Materials	Jayam College of Engg. and Tech.
	T.Vijaykanth	Cash price	Finite element analysis principles of management	
	G.Suresh	Cash price	Engine Systems and Control Exprimental stress Analysis	
2014-2015	N.Vignesh	Cash price	Aerodynamics-II	Jayam College of Engg. and Tech.
	T.Ramya	Cash price	Total Quality Management	
2013-2014	N.Vignesh	Cash price	Helicopter Maintenance	Jayam College of Engg. and Tech.
	G.Suresh		Experimental Stress Analysis	
	S.Ponsankar		High Temperature Materials	
	N.Vignesh		Principles of Management	
2012-2013	T.Vijaykanth	Cash price	Airframe Maintanance and Repair	Jayam College of Engg. and Tech.
	K. Sundramoorthy		Production technology	
2011-2012	T.Vijaykanth	Cash price	Air traffic control	Jayam College of Engg. and Tech.
	G.Suresh		Mechanics of machines	
	M.Manoj Kumar		Elements of	

		aeronautics	
	P.Dhackshana Moorthy	Aircraft structures-ii	
	N.Vignesh	Helicopter maintenance	

S. No	Awards / prize	Student name	Organization/institution
1	1 st Prize	E.Kalaiyasan	Jayam College of Engineering and Technology
2	1 st Prize	MK.Sivastein	Jayam College of Engineering and Technology
3	1 st Prize	Joshi.J S	Jayam College of Engineering and Technology
4	1 st Prize	N.Mohankumar	Jayam College of Engineering and Technology

Academic Year	Name of the Student	Details of the Award / Recognitions received	Awarding Authority
2012-13	E.Kalaiyasan	1 ST Prize	JCET
2013-14	M.K.Sivastein	1 ST Prize	JCET
2014-15	Joshi.J. S	1 ST Prize	JCET

24. List of eminent academicians and scientists / visitors to the department

2015-2016			
S.No	Name	Designation	Organization
1	V.Jayanth	Pilot	Indigo airlines
2012-2013			
1	S.Vishvanathan	Scientist	NAL

25. Seminars/ Conferences/Workshops organized & the source of funding

S. No	Seminars / Conferences / Workshops organized	Title of the Program	Source of Funds
Academic Year 2014-2015			
1	XETA2K15	National Level Conference	JCET
2	DAZZTECH2K15	National Level Students Technical Symposium	JCET
Academic Year 2013-2014			
1	XETA2K14	National Level Conference	JCET
2	DAZZTECH2K14	National Level Students Technical Symposium	JCET

3	Green Technology	Workshop & Seminar	JCET
Academic Year 2012-2013			
1	XETA2K13	National Level Conference	JCET
2	DAZZTECH2K13	National Level Students Technical Symposium	JCET
Academic Year 2011-2012			
1	XETA2K12	National Level Conference	JCET
2	DAZZTECH2K12	National Level Students Technical Symposium	JCET

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Intake	Admitted	Enrolled		Pass Percentage
			*M	*F	
B.E AERO(2009-2012)	60	08	08	-	25%
B.E AERO(2010-2013)	60	54	49	05	45%
B.E AERO(2011-2014)	60	11	11	-	27%
B.E AERO(2012-2015)	60	09	08	01	55%

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.E.-Aeronautical Engineering	80	20	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Name of the Competitive	No. of students qualified			
	2011-12	2012-13	2013-14	2014-15
GATE	--	--	15	--
Civil Services	--	--	--	--
Defence Service	--	--	--	--
Public Sectors	--	--	--	--

29. Student progression

Student progression	2013-2014	2013-2014	2011-2012	2010-2011
UG to PG	02	11	2	Nil
PG to M.Phil.				
PG to Ph.D.				
Ph.D. to Post-Doctoral				

Employed				
Campus selection				
Other than campus recruitment	8		02	Nil
Entrepreneurship/ Self-employment	05	-	-	-

30. Details of Infrastructural facilities

a) Library:

S.No	Particulars	Aero
1	Plinth Area	33 Sq.m
2	Book Volumes	0
3	National journals	6
4	International Journal(UG&PG)	6
5	Titles	602
6	Project Reports	2

b) Internet facilities for staff & students:

Internet provider	Available bandwidth	No.of Computers
BSNL	20Mbps	30

c) Class rooms with ICT facilities: 02

d) Laboratories:

S.No	Name of the Laboratory	Area(Sq.Mts)	Total Investment (Rs.in Lakh)
1	Aero Engine Repair & Maintenance Lab	73.85	1,25,370
2	Aero Dynamics	93.73	6,20,815
3	Aircraft Propulsion Lab	62.49	4,25,938
4	Aircraft Structure Repair Lab	76.69	1,17,316
5	Aircraft Structure-Ii	88.05	1,75,443
6	Aircraft Structures-I	71.01	2,33,314
7	Aircraft System Lab	73.85	17,98,390
8	Avionics Lab	73.85	2,59,000

31. Number of students receiving financial assistance from college, university, government or other agencies

Agency	Number of student received financial assistance			
	Academic Year			
	2011-2012	2012-2013	2013-2014	2014-2015
College				
University	-	-	-	-
Government				
Other Agencies (Mindtree)	-	-		01

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

2011-2012					
S.No	Name of the event	Organized by	Date	No of participant/persons	
	--	--	--	--	--
2012-2013					
1	Trends In Aeronautics	JCET	06.10.2012	S.Vishvanathan	
2	One day seminar about flight	JCET	30/03/2015	Captain JEYANTH PILOT	

33. Teaching methods adopted to improve student learning

- OHP/LCD Are Used In All Courses
- Apart from The Syllabus One Or More Experiment Given To The Students According To The Machine Availability
- Weekly Once NPTEL Classes Are Conducted To The Students
- For Twice A Semester Students Are Brought Into Industrial Visit To HAL, NAL, and Airports To Enrich Their Practical Knowledge.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Students Are To Develop Their Leadership By Extra Curricular Activities Such As NSS, YRC.
- Blood Donation Camp Conducted For Create About Social Awareness To Students

35. SWOC analysis of the department and Future plans

Strengths:

- Experienced, dedicated and highly qualified faculty members.
- Excellent library for online resources such as databases, e-journals and e-books. These e-resources are accessible anywhere within our campus at any time.
- Special coaching classes at the language laboratory to improve the soft skills and employability of the students.
- Well equipped laboratory facilities
- Medical care through college Dispensary with full- time Medical Practitioner and Staff Nurse.
- Systematic Teaching Process
- Supporting of Add on course like as CADD, Pro-E ANSYS,CATIA
- Students are Motivated to do industrial projects

Weakness:

- International collaboration with foreign universities and industries to be improved.
- Industry Institution Interactions to be strengthened.
- Majority of students are from rural areas, so communication skill of the students needs to be improved.
- Lack of patents.
- Consultancy activities to be improved.

Opportunities:

- Scope for Students' project internship in industries and national laboratories.
- Technical Education in new subject areas through video conferencing facility.
- Innovation in teaching – learning process.
- Development of web-based online training courses.
- Preparing students for Competitive Examinations like GATE, BEC, TOEFL

Challenges:

- Collaboration/MoUs with foreign universities.
- Students with dissimilar background.
- Balancing administrative, academic and research work.
- A constant change in technology that challenges the employability of the students.
- Promoting study-abroad and student-exchange programme for higher semester students.
- Exposing the teaching faculty to the Industrial scenario and get they trained in an industry.
- Changing in an economical circumstances leads to impulsive future.

1. Name of the Department : **SCIENCE AND HUMANITIES**
2. Year of Establishment : 1998
3. Name of Programmes : B.E MECH, ECE, CIVIL, CSE, EEE, AERO, IT.
4. Name of the Interdisciplinary courses and departments:

S.No	Departments	Course Code	Course Offered
1	CSE& IT	CS6212	Computer Practice Lab
		CS6201	DPSD Lab
		CS6211	Digital Lab
		CS6212	PDS Lab
2	EEE	EE621	Circuit Theory
		GE6253	Basic Electrical & Electronics Engg
3	ECE	EC6201	Electronic & Device
		EC6211	Circuit Device Lab
4	MECH	GE6252	Engineering Mechanics
		GE6261	CAD Lab
5	CIVIL	CS6211	Programming & Data Structure

5. Annual/semester/choice based system:

Programme	Specialization	Pattern
B.E	Mechanical Engineering	Semester based
B.E	Civil Engineering	Semester based
B.E	Electronics and Communication Engineering	Semester based
B.E	Electrical and Electronics Engineering	Semester based
B.E	Computer Science and Engineering	Semester based
B.E	Aeronautical Engineering	Semester based
B.Tech	Information Technology	Semester based

6. Participation of the department in the courses offered by others departments:

S.No	Departments	Course Code	Course Offered
1	Mathematics	MA6151	Mathematics – I
		MA6251	Mathematics – II
		MA6351	Transforms and Partial Differential Equation
		MA6453	Probability and Queuing Theory
		MA6566	Discrete Mathematics
		MA6452	Statistics & Numerical Method
		MA6451	Probability & Random Process
2	English	HS6251	Communication skill lab
		HS6151	Technical English
3	Chemistry	GE6351	Environmental Science and Engineering (II BE)

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:

S.No	Course Name	Participating Institution/Industry
1	Quantitative Aptitude Training	Focus Academy for career Enhancement(FACE)
2	Soft Skills	D-ARC, Kerala
3	Placement & Training	Academy of Excellence ,salem
4	IITB Spoken Tutorial	Mrs Reshmi,IIT Bombay

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	05	02
Associate Professors	09	04
Asst. Professors	32	23

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. / D.Litt. / Ph.D./M.Phil. etc.,)

S. No	Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Gokulakrishnan.G	M.Tech., Ph.D	HOD & Professor	Information Technology	13 Years	-
2	Saa Ezhilan	M.A,M.Phil, B.Ed (Ph.D)	Professor	English	23 years	-
3	T.Ramesh	M.A,M.Phil, B.Ed	Associate Prof	English	8 years	-
4	R.Chandra,	M.A,M.Phil.	Assistant Prof	English	8 years	-
5	J.Ramya,	M.A,B.Ed	Assistant Prof	English	1Month	-
6	T.Palani	M.A,B.Ed	Assistant Prof	English	7 years	-
7	K.Jeyanthi	M.Sc.,M.Phil., B.Ed	Associate Prof	Mathematics	10 years	-
8	P.J.Anand,	M.Sc.,M.Phil.,	Associate Prof	Mathematics	9 years	-
9	M.Sekar	M.Sc.,M.Phil., B.Ed	Associate Prof	Mathematics	9 years	-
10	D.Ramesh,	M.Sc.,M.Phil., B.Ed	Assistant Prof.	Mathematics	8.5years	-

11	K.Sabari,	M.Sc., B.Ed	Assistant Prof.	Mathematics	5 years	-
12	P.T.Ramesh,	M.Sc., B.Ed	Assistant Prof	Mathematics	5 years	-
13	R.Saravana,	M.Sc., B.Ed	Assistant Prof	Mathematics	2 years	-
14	C.Magesh,	M.Sc.,M.Phil., B.Ed	Assistant Prof	Mathematics	5 years	-
15	S.Saravanakumar,	M.Sc	Assistant Prof	Mathematics	1 months	-
16	R.Gayathri,	M.Sc.,M.Phil. B.Ed	Assistant Prof.	Physics	11 years	-
17	G.Kavitha,	M.Sc.,M.phil.,	Assistant Prof	Physics	6 years	-
18	K.Akila Bakialakshmi,	M.Sc.,M.Phil.,	Assistant Prof.	Physics	9 years	-
19	C.Muniyappan,	M.Sc., B.Ed	Assistant Prof	Physics	1 years	-
20	K.R.Sujatha,	M.Sc.,M.Phil., B.Ed	Assistant Prof	Chemistry	11 years	-
21	J.Dhanalakshmi	M.Sc.,M.Phil., B.Ed	Assistant Prof	Chemistry	9 years	-
22	K.M.Anitha	M.Sc.,M.Phil., B.Ed	Assistant Prof.	Chemistry	12 years	-
23	R.Manivannan,	M.Sc.,M.Phil., B.Ed	Assistant Prof	Chemistry	6 years	-
24	D.Velu	M.Sc.,M.Phil., B.Ed	Assistant Prof.	Chemistry	3 years	-
25	M.Balaji	M.Sc.,B.Ed	Assistant Prof.	Chemistry	3 years	-
26	M.Sivan	B.E,M.E	Associate Prof.	Mechanical	10 years	-
27	K.JawaharBabu	B.E,M.E	Assistant Prof.	Mechanical	12 years	-
28	Prabu	B.E,M.E	Assistant Prof.	Mechanical	3 years	-
29	R.Iliyaraja	B.E,M.E	Assistant Prof.	Mechanical	2.5 years	-

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student-Teacher Ratio (Programme wise): $(370/15)=29$ faculties (1 professor ,3 Associate professor, 20 Assistant professor) which is in 1:2:9 ratio

Name of the Programme	No. of Faculty	No. of Students	Student-Teacher Ratio
B.E	28	361	1:2:9

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

S.No	Name	Sanctioned	Filled
1	Academic Support Staff	6	6

The Details of Technical staff and Administrative staff are given below:

S.No	Name of the non-teaching staff	Designation
1	R.Baskar	Lab Technician
2	T.Magendiran	Lab Technician
3	G.Murugan	Lab Technician
4	Vijaya	Office Assistant
5	Sureshkumar	Office Assistant
6	Prema	Office Assistant

14. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/Mphil/PG.

Highest Qualification	Professors		Associate Professors		Assistant Professors		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers :							
Ph.d.	02	--	--	--	--	--	02
ME / M.Tech	--	--	02	--	03	--	05
M.Phil.	--	--	02	01	08	03	14
PG (M.Sc/ MA / M.Com / MCA /MBA)	--	--	--	--	07	01	08
UG (B.Tech)	--	--	--	--	--	Grand Total	29

Temporary teachers : Nil

Part-time teachers : Nil

16. Number of faculty with ongoing projects from

a) National : Nil

b) International funding agencies and grants received. : Nil

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received. : Nil

S.No	Project Name	Funded by	Total Grands
Nil			

18. Research Centre/ facility recognized by the university: Nil

19. Publications:

a) Publication per faculty: 08

S. No	Name of the faculty	No. of Publication	Monographs	Chapter in Books	Books Edited	Books with ISBN/IS SN numbers with details of publishers	Citation Index	SNIP	SJR	Impact factor	h-index
1	Prof. G.Gokulakrishnan	02	-	-	-	-	-	-	-	2.0	-
2	Prof.SAA Ezhilan	06	-	-	27	-	-	-	-	2.0	-

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National committees :

S.No	Committees	No.of Faculty	
1	National Committees	ISTE	03
		CSI	03
		IEEE	00
2	International Committees	-	
3	Editorial Boards	-	
4	Paper Setting	-	

22. Students projects : NA

23. Awards/Recognitions received by faculty and students:

Academic Year	Name of the Faculty with Designation	Details of the Award / Recognitions Received	Awarding Authority
2011-12	G.Chandra Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	T.Ramesh Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	G.Gayathri Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	K.Jeyanthi Asso.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	P.J.Anand Asso.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET

2012-13	R.Manivannan, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	G.Gayathri Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	K.R.Sujatha, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	Prof. Saa Ezhilan	Rs 1000 cash award for 95-100 % of University Results	JCET
	K.Jeyanthi Asso.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
2013-14	P.J.Anand Asso.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	C.Magesh Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
2014-15	R.Manivannan, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	K.Jeyanthi Asso.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	C.Magesh Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	K.R.Sujatha, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	Prof. Saa Ezhilan	Rs 1000 cash award for 95-100 % of University Results	JCET

24. List of eminent academicians and scientists/visitors to the department:

Academic year	Name of the faculty	Name of the college / organization
2011-2012	Mr.N.Chandramouli	MechanicalHOD,GCET Salem.
	Thiru.Sugi sivam	Tamil scholar,Chennai
	Dr.Shivakumar Phd	Shiva foundation, Chennai
	Shri.C.Gopinath	Anchor,Star vijay
2012-2013	Dr.Karunakaran V.C	Anna university Coimbatore
	Shri.Abraham Moses	General Manager Mind tree Foundation
	Smt.R.Rohini	Actress
	Dr.Suresh Principal	K.K college of engg and technology
	Dr.Shivakumar Phd	Shiva foundation, Chennai
2013-2014	Dr.Murugesan V.C	Anna university,Madurai
	Thiru.Sugi sivam	Tamil scholar,Chennai
	Dr.Jayantha shree balakrishnan	Prof & HOD,English PSG Arts & Science ,Coimbatore
2014-2015	Dr.Shivakumar Phd	Shiva foundation, Chennai
	Mr.Kanaka suburathinam	Memory skill expert, Chennai

25. Seminars/Conferences/workshops organized & the source of funding :

a)National :

S. No	Year	Name of the Seminar / Conference / Workshop	Date on Event Conducted	Source of Funding	Amount Spent (Rs.)
1	2011-12	Students Technical Symposium	11th-12th Dec 2012	Management	Rs.7000
2	2012-13	Students Technical Symposium	12th-22th June 2012	Management	Rs.10000
3	2014-15	Conducted science Expo in JCET for School Student in and around Dharmapuri.	25th August 2014	Management	Rs.20000

01 (National Level Conference) for every academic year

01 (Students Technical Symposium) for every academic year

b) International : Nil

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
B.E-Mechanical	193	139	139	0	--
B.E-Civil	132	70	57	13	--
B.E-ECE	78	49	24	25	--
B.E-EEE	86	43	15	28	--
B.E-CSE	79	43	27	16	--
B.E-Aero& IT	40	25	16	09	--

27. Diversity of students

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
B.E-MECHANICAL	98%	2%	0%
B.E-CIVIL	98%	2%	0%
B.E-ECE	100%	0%	0%
B.E-EEE	100%	0%	0%
B.E-CSE	99%	1%	0%
B.E-AERO& IT	99%	1%	0%

28. How many students have cleared national and state competitive examinations such as NET,SLET,GATE, Civil services, Defence services, etc.,?

Name of the Competitive	No. of students qualified			
	2011-12	2012-13	2013-14	2014-15
GATE	--	--	--	--
Civil Services	--	--	--	--
Defence Service	--	--	--	--
Public Sectors	--	--	--	--

29. Student progression

Students progression	Against % enrolled
UG to PG	20%
PG to M.Phil	NA
PG to Ph.D	5%
Ph.D to Post -Dotoral	0%
Employed	50%
Entrepreneurship/Self-employment	25%

30. Details of Infrastructure facilities

a) Library:

S.No	Particulars	S&H
1	Plinth Area	33 Sq.m
2	Book Volumes	250
3	National journals	
4	International Journal(UG&PG)	-
5	Titles	-
6	Project Reports	-

b) Internet facilities for staff & Students

Internet provider	Available bandwidth	No.of Computers
BSNL	20Mbps	30

c) Class rooms with ICT facility :

Room Description	Usage	Capacity	Rooms equipped with
A21,A22,A24, A25,B21,B22, B23,D01,D24	Class Room for 1 st year	75Sq. m. (Each)	Black Board, OHP with white Screen, fans, tube lights, table for faculty, student benches, chalks, dusters, & dust bins, LCD, Projectors
Tutorial rooms	Tutorial classes	33Sq.m.	
Dept. Library	For all BE,B.Tech and ME students and faculty	30Sq. m.	Chairs, Tables, Book racks, Notice Boards, PC with Internet, closed Racks.
HOD room, Meeting Room	HOD Cabin	30Sq. m.	chairs ,Tables, Book racks, Notice Boards, PC with Internet, closed Racks, toilet facility





d) Laboratories:








S.No	Name of the Laboratory	Area(Sq.Mts)	Total Investment (Rs.in Lakh)
1	Physics Lab	16.6*16.62=276.07	12.5 lakhs
2	Chemistry Lab	16.6*16.62=276.07	8.6 lakhs
3	English Lab	13.2*8=105.6	12.82 lakhs

31. Number of students receiving financial assistance from college, university, government or other agencies

Agency	Number of student received financial Assistance			
	Academic Year			
	2011-2012	2012-2013	2013-2014	2014-2015
College	6	6	6	6
University	-	-	-	-
Government	102	112	90	108
Other Agencies (Mindtree)	-	-	5	10

32. Details on student enrichment programmes (special lectures/workshops/seminars) with external experts.

2012-2013					
S. No	Name of the Event	Organized by	Date	No of participant	
1	Project planning Management	CIVIL,EEE, ECE, Association	26.01. 2012	CAD center Training service conducted by PPM,CCTS chennai,66 students are participated in the guest lecture	
2	Recent trends in power system and SCADA	JCET Association	28.02. 2012	Conducted by National power training institute conducted one day workshop There are 69 students are participated in the workshop	
3	Development of self confidence	JCET Association	17.03. 2012	One day guest lecture There are 60 student are participated	
4	Embedded system	EEE Association	26.09. 2012	One day guest lecture There are 66 student are participated	

5	Engineering Awareness for school students	JCET Association	20.10.2012	One day workshop conducted by sri vinayaga vidhyalaya mat HR. Sec .school There are 120 students participated	
2013-2014					
6	Awareness in Electrical Equipment Handling	EEE Association	06.02.2013 To 09.02.2013	No of participants Three days workshop organized by TANGED 66students participated	
7	Embedded systems	EEE Association	26.09.2013	One day workshop conducted by project and training centre There were 62 students participated	
8	Electrical Machine design	JCET	07.04.2013	One day guest lecture conducted by K.S.R. College of engg. There were 62 student participated	
9	Embedded systems	JCET	12.07.2013	Oneday workshop conducted by training centre There were 66 student participated	
10	PLC Automation	JCET Association	04.08.2014	5 day works .There were 120 students participate conducted by SSS Technology , micro system	
2014-2015					
11	Liner integrated circuit	ECE Association	15-10-2014	There are 66 students participated	
12	Power Quality	EEE Association	11-03-2015	One day workshop There are 62 students were participated	
13	Introduction to Aero Modelling & UAC carrier	EEE Association	14-08-2015	Conducted by NSIC Technical service center Chennai. There are 10 students are participated	

14	Computer Awareness Programme	JCET		Conducting computer classes for unemployed youth	Pennagaram in and around village
15	Alaghu Boomi Programme	JCET		The NSS unit of the college has adopted Ambedkar Nagar and Govt School and organized Signature Campaign,	Clean and Green Programme at INDUR and observation of National festivals with the Contribution of community.

33. Teaching methods adopted to improve student learning.

- Activity based learning methodology like case studies, role play, analogy ,quiz ,group discussion etc is adopted to enable the students understand the concepts clearly.
- A course file containing lecture notes, question banks, Assignment samples, and slides is maintained by the faculty member for each course.
- Beyond the syllabus in the theory and practical courses are included for bridging the gap between the curriculum and industrial standards.
- Expert lectures from industrialists and academicians are arranged for bridging the curriculum gap.
- Value added courses are conducted for the third and final year students to meet the industrial needs.
- Also the feedback from the employer of our alumni is taken as a tool to analyze our teaching methodology and improvements are done wherever needed.
- Peer learning method is adopted to help our slow learning students to score better.
- Performance of the students is intimated to the parents after the internal assessment tests and the feedback from the parents is also taken as a tool to improve the level of the students.
- Fee waiver is awarded to the students who secure first two places and score above 80% in the two consecutive semesters of an academic year.
- University results are analyzed and effective counseling is given to the students to make them know the importance of learning.
- Classroom monitoring committee is formed to confirm the conduction of classes.
- Also department review meetings are conducted for reviewing the academic and departmental works.

34. Participation in Institutional Social Responsibility (ISR) and extension activities.

2012-2013				
S.No	Name of the Program	Date	Place	Attending candaties
1	Combined annual training camp	27.12.2011 05.01.2012	CSI,Hr. Sec School, Salem,	20
2	Republic day	26.01.2012	Jayam College of Engineering and Technology, Dharmapuri.	52
3	Rainwater harvesting	03.03.2012	Jayam College of Engineering and Technology, Dharmapuri.	52
4	Tree plantation	01.08.2012	Jayam College of Engineering and Technology, Dharmapuri.	52
5	Independence day	15.08.2015	Jayam College of Engineering and Technology, Dharmapuri.	52
6	Combined annual training camp	26.09.2012 05.10.2012	St. pauls Hr. Sec. School, Salem	24
7	Combined annual training camp (over all performance)	26.09.2012 05.10.2013	St. pauls Hr. Sec. School, Salem	24
8	NCC day	24.11.2012	Jayam College of Engineering and Technology, Dharmapuri.	52
9	Annual training camp	22.12.2012 31.12.2012	AVS Arts and Science - Salem	25
10	Combined annual training camp (over all Shield)	22.12.2012 31.12.2013	AVS Arts and Science - Salem	25
2013-2014				
1	Republic day	26.01.2013	Jayam College of Engineering and Technology, Dharmapuri.	44
2	Explanation of fire Service and Rescue department by NCC officer	02.03.2013	Jayam College of Engineering and Technology, Dharmapuri.	52
3	Blood donation camp	03.03.2013	Dharmapuri medical college	44

4	Combined annual training camp (over all Shield)	12.06.2013 21.06.2013	KRS engineering and technology - Thiruchengode	24
5	Independence day	15.08.2013	Jayam College of Engineering and Technology, Dharmapuri.	44
6	Save power energy	02.11.2013	Jayam College of Engineering and Technology, Dharmapuri.	44
7	NCC day	22.11.2013	Jayam College of Engineering and Technology, Dharmapuri.	52
2014-2015				
1	Republic day	26.01.2014	Jayam College of Engineering and Technology, Dharmapuri.	36
2	Road safety & traffic rules (Nallanur - Dharmapuri)	03.03.2014	Jayam College of Engineering and Technology, Dharmapuri.	36
3	Clean India	03.08.2014	Jayam College of Engineering and Technology, Dharmapuri.	36
4	Independence day	15.08.2014	Jayam College of Engineering and Technology, Dharmapuri.	36
5	Combined annual training camp	26.09.2014 05.10.2014	Holy Cross Mat. Hr. Sec. School - Salem	10
6	Combined annual training camp	26.09.2014 05.10.2014	Holy Cross Mat. Hr. Sec. School - Salem	10
7	NCC day	21.11.2014	Jayam College of Engineering and Technology, Dharmapuri.	36
2015-2016				
1	Republic day	26.01.2015	Jayam College of Engineering and Technology, Dharmapuri.	36
2	International day of YOGA	21.06.2015	AVS Arts and Science - Salem	36
3	Independence day	15.08.2015	Jayam College of Engineering and Technology, Dharmapuri.	52

35. SWOC analysis of the department and future plans.

Strength

- Motivating students to participate in various activities like symposiums and conferences workshops and seminars
- The Lecture notes are uploaded on the Intra-mail and students engage themselves in clearing the doubts on/offline with the staff
- A team of well experienced, skilled & dedicated faculty members are sharing their knowledge to the students through various innovative teaching methodologies Excellent infrastructure
- Adequate laboratory and library facilities
- The students are benefited by the Mind Tree campus connect training program
- Conduct Aptitude and Placement Training by the faculty for the students in the regular Time table.
- The faculty members are trained through faculty development programs and various workshops
- Strong mentoring and student support system taking care of all students
- Availability of Internet Facility at any time

Weakness

- Less number of Ph.D. faculty
- Research and development could be further improvised
- Students from rural background and Tamil medium struggle hard to acclimatize themselves to the new environment in the First year
- Less number of funded projects

Opportunities

- Supportive management
- Student's involvement in many co-curricular and extra-curricular activities
- Continuous improvement process for developing for rural students knowledge
- Apart from curriculum students tend to learn & gain technical knowledge through e-learning, FOSS,NPTEL
- Employability training, both technical and soft skill trainings are given to the students by Mind-Tree campus connect

Challenges

- Getting 100% university result.
- Achieve more university ranks
- Improving Student communication skill
- Non availability of professor with Ph.D qualification
- Modernization of physics, chemistry and English laboratories
- Arising funded projects

Future Plans

- Develop R&D cell to enhance research activities for funded projects
- To become recognized research center of Anna university
- To encourage the faculty to register for Ph.D Programme and increase the PhDs in the department
- To motivate the staff and the students to publish research articles in Journals
- To secure more University Rank
- To sign MoU with leading industries

- Name of the department : **DEPARTMENT OF MANAGEMENT STUDIES**
- Year of Establishment : **2006**
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Name of the Programme	Specialization	Year of Establishment	Duration	Full Time /Part Time
MBA	Marketing	2006	2	Full Time
	Human Resources			
	Finance			
	Systems			
	Production			

- Names of Interdisciplinary courses and the departments/units involved:

S.No	Departments Involved	Course offered by the departments	Year & Branch
1	Science and Humanities	Statistics for Management	I & MBA
2	Science and Humanities	Applied Operations Research	I & MBA
3	MCA	Data Analysis and Business Modeling	I & MBA

- Annual/ semester/choice based credit system (programme wise)

Programme	Specialization	Pattern
MBA	Marketing	Semester based
	Human Resources	
	Finance	
	Systems	
	Production	

- Participation of the department in the courses offered by other departments

S.No	Departments Involved	Course offered by the departments	Semester
1	B.E.(Civil Engg.)	Principles of management	VI
2	B.E. (EEE)	Professional Ethics	VII
3	B.E. (ECE)	Principles of management	VI
4	B.E. (AERO)	Total Quality Management	VII
5	B.E. (MECH)	Total Quality Management	VII
6	B.TECH (IT)	Principles of management	VI
7	B.E (CSE)	Engineering Economics and financial accounting	VII
8	B.Tech (IT)	Engineering Economics and financial accounting	VII

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

S.No	Course Name	Participation Institution / Industry
1	TALLY / ERP	Access point, IT Services India Pvt Ltd.
2	BFSI	ICT Academy Of Tamilnadu
3	SHG -BigBazaar	Women's Self Help Group

8. Details of courses/programmes discontinued (if any) with reasons: **NIL**

9. Number of Teaching posts

Teaching Post	Sanctioned	Filled
Professors	2	1
Associate Professors	3	2
Asst. Professors	11	5

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

S. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr.P. Manimekalai	B.Com (CA), MBA., M.Phil., Ph.D	Professor	Finance & Marketing	1	0
2	Mr.V. Sivakumar	B.Com. M.Com., MBA., M.Phil (Ph.D)	Associate Professor	HR & Finance	12	0
3	Mr.C.Boopathy	M.A., MBA., (Ph.D)	Associate Professor	HR & Marketing	07	0
4	Miss.T. Shanmuga priya	B.Com C.S., MBA	Asst Professor	HR & Marketing	03	0
5	Mr.P.Vimala nathan	B.Sc., MBA., M.Phil. (Ph.D)	Asst Professor	HR & Finance	05	0
6	Mr.K. Ravindran	B.A., MBA., M.Phil. (Ph.D)	Asst Professor	Finance & Marketing	03	0
7	Mrs.G. Kiruthika	B.Com., MBA., M.Phil. (Ph.D)	Asst Professor	Finance & Marketing	05	0
8	Mr.S. Karthikeyan	B.A., M.B.A., M.Phil. (Ph.D)	Asst Professor	Finance & Marketing	10	0

11. List of senior visiting faculty:

S.No	Name	Designation	Organization	Subject Handled
Nil				

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Nil

13. Student -Teacher Ratio (programme wise)

Name of the Programme	No. of Faculty	No. of Students	Student-Teacher Ratio
MBA	8	76	1:10

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

S.No	Type of Staff	Sanctioned	Filled
1	Academic Support Staff (Technical)	1	1
2	Administrative Staff	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

No. of Faculty with DSc/D.Litt/Ph.D	No. of Faculty pursuing Ph.D	No. of Faculty with M.Phil	No. of Faculty with PG (MBA)
1	6	6	1

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Faculty Name	Project Title	Customer	Funds Received	Status
Nil				

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

S. No	Name of the faculty	Funding Agency	Purpose	Amount	Year
01	Prof.C.Boopathy	DST	Conducting EAC Camp	13,500	2012
02	Prof.C.Boopathy	ISTE	Conducting EAC Camp	13,500	2012
03	Prof.C.Boopathy	DST	Conducting EAC Camp	20,000	2014
04	Prof.C.Boopathy	ICSSR	Conducting case Study Workshop	Rs.75,000	Applied 2015 January

18. Research Centre /facility recognized by the University: NIL

19. Publications:

S. No	Name of the faculty	No. of publications	Mono graphs	Chapter in books	Books edited	Books with ISBN/ISSN numbers with details of publishers	Citation index	SNIP (source normalized impact per person)	SJR(scimago journal rank)	No. of publications with impact factor	No. of publications with h-index
1.	P. Vimala nathan	2	-	-	-	ISBN : 978-81-909275-0-5	-	-	-	-	-
			-	-	-	ISBN : 978-81-909275-1-2	-	-	-	-	-

* Number of papers published in peer reviewed journals (national / international) by faculty and students

S. No	Name of the faculty	Title of the Paper	Journal	Year of Published
01	Mr.V. Sivakumar	Review on financial prospects and problems of Women's Self help groups with special reference to Dharmapuri District	Indian Journal of Applied Research (National)	2012
		An Appraisal of Profit margin and growth ratios of HUL in India	International Journal of Research & Business Innovation (International)	2013
03	Mr.C.Boopathy.	The Emerging Social Media and its Role in Marketing	Global Journal of Finance & Management	2012
		Application of RFID in the Fresh Fruits & Vegetable supply chain for sustainability and quality preservation	South Asian Journal of Marketing & Management Research	2013
04	Mr.P. Vimalanathan.	Comparison of Capital Asset Pricing Model and Arbitrage Pricing Theory in BSE Bank Stocks	International Research Journal of Management and Humanities (International)	2013
		Testing the validity of Capital Asset Pricing Model and Stability of Beta in BSE SENSEX 30	SRMRMP Journal of Advanced Research in Management	2012
05	Dr.P. Manimekalai	A study on consumer preference for using unorganized milk in Salem district	Aadyam A Journal of Management Volume 2, Issue 1	2013
		A Study on satisfaction level of Entrepreneurs in Dairy sector in salem District	Asia Pacific Journal of Research, Volume 1, Issue 4	2014

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

S.No	Committees	No.of Faculty	
1	National Committees	ISTE	-
		IETE	-
		IEEE	-
2	International Committees	-	
3	Editorial Boards	-	
4	Paper Setting	1	

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme :

Course	In-house Projects Percentage (%)
MBA	-

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:

Course	Projects Percentage (%)
MBA	100

23. Awards / Recognitions received by faculty and students

Academic Year	Name of the Faculty with Designation	Details of the Award/ Recognitions received	Awarding Authority
2011-12	Mr.V.Sivakumar	Certificates	JCET
	Mr.C.Boopathy	Certificates	JCET
2012-13	-	-	-
2013-14	Mr.V.Sivakumar	Rs 1000 cash award for 95-100 % of University Results	JCET
	Mr.BalaRagavendran	Rs 1000 cash award for 95-100 % of University Results	JCET
	Mr.V.Ajai	Rs 1000 cash award for 95-100 % of University Results	JCET
	Miss.T.Shanmugapriya	Rs 1000 cash award for 95-100 % of University Results	JCET
	Miss.B.Pavithra	Rs 1000 cash award for 95-100 % of University Results	JCET
2014-15	Miss.T.Shanmugapriya	Rs 750 cash award for 95-100 % of University Results	JCET
	Mr.P.Vimalanathan	Rs 1000 cash award for 100 % of University Results	JCET
	Mr.N.Ravindran	Rs 1000 cash award for 100 % of University Results	JCET

Academic Year	Name of the Student	Details of the Award/ Recognitions received	Awarding Authority
2011-12	G.Ramesh	Shield	Periyar University, Salem
	D.Balaji	Shield, Cash prize	
2012-13	V.Premkumar	Shield, Cash prize	SSM School of Management, Kumarapalayam
	I.Vasanth	Shield, Cash prize	
2013-14	S.Somaraju	Cash Award, University Rank Holder	JCET
		Shield, Cash prize	SSM School of Management, Kumarapalayam
	C.Ramakrishnan	Shield	
	T.Madhiyarasan	Shield	
	G.Chinnavedi	Shield	
	M.Kumar	Shield	
S.Puroshothaman	Shield		
2014-15	B.Bhavithra	Certificate	Priyadarshini Engineering College, Vaniyambadi
	M.Baby	Certificate	
	K.Suganya	Certificate	
	M.John Bosco	Certificate	
	M.John Bosco	Certificate	
	M.Baby	Certificate	
	P.Veeramani	Certificate	
	K.Suganya	Certificate	
	V.C.Thirupathi	Certificate	Mother Teresa women's University
	A.Thamaraiselvan	Certificate	Knowledge Business School, Salem
	K.Deepa	Certificate	
	A.Ambiga	Certificate	
M.Syed Ibrahim	Certificate		

24. List of eminent academicians and scientists / visitors to the department

S. No	Year	Name of the Academician/ Scientist/ Industrialist	Designation	Organization	Purpose of visit
1	2011 - 2012	Mr.Puli. S.Saravanan	Regional Turnaround Director	Shell Eastern Petroleum Ltd	Guest Lecture
2		Mr.Rajendhiran	Associate Vice President	Jindal Steel Works	Guest Lecture
3	2012 - 2013	Dr.K.Bala subramani	Former South India Head	Accentia Education Pvt.Ltd	Conference
4		Dr.A.Velavan	Prof.&Head, Dept. of MBA	Govt.Arts College, Dpi	Conference

5		Tmt.R.Lilly, IAS	IAS, Dharmapuri	District Collector office, Dharmapuri	College Bazaar
6	2013	Mr.Thomas Smith	Rotarian	USA	Guest Lecture
7	- 2014	Mr.V.Nagarajan	Rtd. HR-Manager	TTK Prestige Ltd, Hosur	Guest Lecture
8	2014	Mr.K.Babu	Rtd. Manager-Production	Rane Engine Valves Ltd, Chennai	Guest Lecture
9	- 2015	Mr.Joe Ramos	Rtd. Associate center Director of the Dryden Flight Research Center	NASA	Management meet

25. Seminars/ Conferences/Workshops organized & the source of funding

S.No	Seminars / Conferences / Workshops organized	Title of the Program	Source of Funds
Academic Year 2014-2015			
1	Seminar	Quality Management & Managerial Excellence	JCET
2	TYCOON 2015	National Level Management meet	JCET
3	Seminar	Logistics in Export	
Academic Year 2013-2014			
1	Xtreme Engineering, Technological Advancements & Management	Conference	JCET
Academic Year 2012-2013			
1	CONFERENCE	Emerging challenges for Sustainable Business	JCET
Academic Year 2011-2012			
1	TYCOON	Management Meet	JCET

26. Student profile programme/course wise:

Batch	Name of the Course / programme	Applications received	Selected	Enrolled	
				*M	*F
2010 - 2012	MBA	60	56	33	23
2011 - 2013		63	59	38	21
2012 - 2014		65	63	51	12
2013 - 2015		63	57	37	20

*M = Male *F = Female

27. Diversity of Students

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2010 - 2012	MBA	95	5	--
2011 - 2013		100	--	--
2012 - 2014		100	--	--
2013 - 2015		98	2	--

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Name of the Competitive	No. of students qualified			
	2011-12	2012-13	2013-14	2014-15
GATE	--	--	--	--
Civil Services	--	--	--	--
Defence Service	--	--	--	--
Public Sectors	--	--	--	--

29. Student progression

Student progression	Against % enrolled			
	2011-12	2012-13	2013-14	2014-15
PG to M.Phil	1			
PG to PhD	1		--	--
Employed				
I Campus selection	41	45	7	28
II other than campus recruitment	14	18	16	--
Enterprenurship/ Self-Employment	--	--	--	1

30. Details of Infrastructural facilities

a) Library:

S.No	Particulars	MBA
1	Plinth Area	33 Sq.m
2	Book Volumes	0
3	National journals	30
4	International Journal(UG&PG)	30
5	Titles	1653
6	Project Reports	296

b) Internet facilities for staff & students:

Internet provider	Available bandwidth	No.of Computers
BSNL	20Mbps	33

c) Class rooms with ICT facilities: 03

d) Laboratories: 01

31. Number of students receiving financial assistance from college, university, government or other agencies

Agency	Number of student received financial Assistance			
	Academic Year			
	2011-2012	2012-2013	2013-2014	2014-2015
College	-	-	-	-
University	-	-	-	-
Government	39	39	32	30
Other Agencies	-	-	-	-

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

S. No	Name of the event	Organized by	Date	No of participant
1	Developing Individual Strategy for Success Career	Department of MBA	29.10.2012	65
2	Entrepreneurship skills	Department of MBA	15.11.2012	70
3	Emerging Challenges for sustainable Business	Department of MBA	26.04.2013	80
4	Shades of Leadership	Department of MBA	31.01.2014	85
5	Tycoon	Department of MBA	26.03.2015	250

33. Teaching methods adopted to improve student learning

- Involving students in the planning of a unit of study, including how they should be assessed, and, if there is a paper to be submitted at the end of the unit,
- Asking students 'What if' and 'what do you think' questions during lectures to capture students' attention and jump-start class discussions.
- Getting students to share (in groups or individually) management concepts that reflect or relate to principles or theories taught in class.
- Getting students to work in groups of three (each student taking on the roles of the moderator, reporter or recorder within the group) to ensure equal participation from every student.
- Using visual aids such as pictures, diagrams, flowcharts and films to complement lectures.
- Pointing out how a topic is connected to other topics in the same course or with topics in other disciplines to help global learners see the 'big picture' and presenting information in a logical progression of small steps to help sequential learners understand a less

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

2012-2013				
S. No	Name of the Program	Date	Place	Attending candidates
1	Republic day	26.01.2012	Jayam College of Engineering and Technology, Dharmapuri.	8
2	Independence day	15.08.2012	Jayam College of Engineering and Technology, Dharmapuri.	10
2013-2014				
1	Republic day	26.01.2013	Jayam College of Engineering and Technology, Dharmapuri.	15
2	Independence day	15.08.2013	Jayam College of Engineering and Technology, Dharmapuri.	15
2014-2015				
1	Republic day	26.01.2014	Jayam College of Engineering and Technology, Dharmapuri.	10
2	Independence day	15.08.2014	Jayam College of Engineering and Technology, Dharmapuri.	10
2015-2016				
1	Republic day	26.01.2015	Jayam College of Engineering and Technology, Dharmapuri.	10
2	Tree plantation	12.08.2015	Jayam College of Engineering and Technology, Dharmapuri.	5
3	Blood donation	13.08.2015	Jayam College of Engineering and Technology, Dharmapuri.	10
4	Independence day	15.08.2015	Jayam College of Engineering and Technology, Dharmapuri.	15

35. SWOC analysis of the department and Future plans

STRENGTH

- Experienced & effective human resource
- Excellent infrastructure
- ISO certified department
- Infrastructure, Spacious learning environment with all the facilities (Wi-Fi Library, High speed internet connectivity, Hygienic Canteen facilities, Transport facilities)
- Dedicated faculties to groom the students as young managers, Entrepreneurs
- Full-time faculty teach most classes, and there is a strong bond and a high level of interaction between faculty and students

WEAKNESS

- Weakness on cultural/racial/ethnic diversity of students in the campus
- Institutional bureaucracy, governance structure, and public institution culture make priority- setting and concerted, cooperative action and efficient execution a challenge

OPPORTUNITIES

- With growing faculty participation and increased research productivity, Our department is well positioned to continue enhancements
- Continue to improve planning and assessment to develop an institutional culture of participation in faculty planning, development, and assurance of learning by both full-time and adjunct faculty.
- Continue to improve the quality of MBA program
- To make human resource more skilful and competent
- To develop projects for corporate and academia

CHALLENGES

- Growing competition from nearby Government and private Colleges offering MBA
- Financially poor and Rural background students
- To match academics with industry norms

FUTURE PLANS

- Improve the research activities in the department
- To sign MoU with leading industries

- Name of the department : **MASTER OF COMPUTER APPLICATIONS**
- Year of Establishment : **2006**
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Name of the Programme	Specialization	Year of Establishment	Duration	Full Time /Part Time
MCA	Computer Applications	2006	3	Full Time

- Names of Interdisciplinary courses and the departments/units involved:

S.No	Departments Involved	Course offered by the departments	Year & Branch
1	Science and Humanities	Mathematical Foundations in Computer Application	I & MCA
2	Science and Humanities	Communication Lab	I & MCA
3	Electronics & Communication Engineering	Embedded Systems	II & MCA
4	Electronics & Communication Engineering	Embedded Systems Lab	II & MCA
5	Science and Humanities	Resource and Management Techniques	II & MCA

- Annual/ semester/choice based credit system (programme wise)

Programme	Specialization	Pattern
MCA	Master of Computer Applications	Semester based

- Participation of the department in the courses offered by other departments

S.No	Departments Involved	Course offered by the departments	Semester
1	MBA	Data Analysis & Business Modeling Lab	I
2	MBA	Business Application Software	I

- Courses in collaboration with other universities, industries, foreign institutions, etc.

S.No	Course Name	Participation Institution / Industry
Nil		

- Details of courses/programmes discontinued (if any) with reasons: **NIL**

9. Number of Teaching posts

Teaching Post	Sanctioned	Filled
Professors	1	--
Associate Professors	2	2
Asst. Professors	9	10

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

S. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	K.Vijayan	MCA	Asso.Prof	Computer Applications	10 Years 9 Months	--
2	Y.N.Gayathri	MCA	Asso.Prof	Computer Applications	9 Years 8 Months	--
3	R.Geetha Priya	MCA	Asst.Prof	Computer Applications	8 Years 1 Month	--
4	S.Jaya Praba	MCA	Asst.Prof	Computer Applications	7 Years 2 Months	--
5	N.Kokila	MCA	Asst.Prof	Computer Applications	5 Years 10 Months	--
6	R.Suganya	MCA	Asst.Prof	Computer Applications	5 Years 2 Months	--
7	M.Selvam	MCA	Asst.Prof	Computer Applications	3 Years	--
8	K.Suganthi	MCA	Asst.Prof	Computer Applications	3 Years	--
9	M.Banupriya	MCA	Asst.Prof	Computer Applications	3 Years	--
10	M.Muniyarasu	MCA	Asst.Prof	Computer Applications	1 year	--
11	K.Ramamoorthi	MCA	Asst.Prof	Computer Applications	2 Months	--
12	M.Devipriya	MCA	Asst.Prof	Computer Applications	2 Months	--

11. List of senior visiting faculty:

S.No	Name	Designation	Organization	Subject Handled
Nil				

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Nil

13. Student -Teacher Ratio (programme wise)

Name of the Programme	No. of Faculty	No. of Students	Student-Teacher Ratio
MCA	12	69	1:5

4. Number of academic support staff (technical) and administrative staff; sanctioned and filled

S.No	Type of Staff	Sanctioned	Filled
1	Academic Support Staff (Technical)	2	2
2	Administrative Staff	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

No. of Faculty with DSc/D.Litt/Ph.D	No. of Faculty pursuing Ph.D	No. of Faculty with PG
--	1	11

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Faculty Name	Project Title	Customer	Funds Received	Status
Nil				

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

S.No	Project Name	Funded by	Total Grands
Nil			

18. Research Centre /facility recognized by the University: **NIL**

19. Publications:

S. No	Name of the faculty	No. of publications	Mono graphs	Chapter in books	Books edited	Books with ISBN/ ISSN numbers with details of publishers	Citation index	SNIP (source normalized impact per person)	SJR (sci mago journal rank)	No. of publications with impact factor	No. of publications with h-index
1.	S.Jayapraba	4	-	-	-	--	-	-	-	-	-

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

S.No	Committees	No.of Faculty	
1	National Committees	ISTE	6
		IETE	--
		IEEE	--
2	International Committees	-	
3	Editorial Boards	-	
4	Paper Settes	-	

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme :

Course	In-house Projects Percentage (%)
MCA	80

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:

Course	Projects Percentage (%)
MCA	50

23. Awards / Recognitions received by faculty and students

Academic Year	Name of the Faculty with Designation	Details of the Award / Recognitions received	Awarding Authority
2011-12	Y.N.Gayathri, Asso.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	A.F.Sheik Hakkani Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	R.Sakthidhara Priya, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	R.Geetha Priya, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	S.Jayapraba, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
2012-13	Y.N.Gayathri, Asso.Prof / HOD	Rs 1000 cash award for 95-100 % of University Results	JCET
	R.Geetha Priya, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	S.Jayapraba, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	N.Kokila, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	M.Ganesh Kumar, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET

2013-14	S.Jayapraba, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	M.Selvam, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
2014-15	R.Geetha Priya, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	S.Jayapraba, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	N.Kokila, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	M.Selvam, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET
	K.Suganthi, Asst.Prof	Rs 1000 cash award for 95-100 % of University Results	JCET

Academic Year	Name of the Student	Details of the Award/ Recognitions received	Awarding Authority
2011-12	Vijaya Kumar	25 % of Tuition Fees weaving for I Place in Last academic year Results	JCET
	S.Sangeetha	25 % of Tuition Fees weaving for II Place in Last academic year Results	JCET
2012-13	S.Saranya	25 % of Tuition Fees weaving for I Place in Last academic year Results	JCET
	Ganesh	25 % of Tuition Fees weaving for II Place in Last academic year Results	JCET
	S.Saranya	Won 36 rank from Anna University	JCET
2013-14	S.Archana	25 % of Tuition Fees weaving for I Place in Last academic year Results	JCET
	C.Vadivel	25 % of Tuition Fees weaving for II Place in Last academic year Results	JCET
2014-15	G.Dhivya	25 % of Tuition Fees weaving for I Place in Last academic year Results	JCET
	N.Sharmila	25 % of Tuition Fees weaving for II Place in Last academic year Results	JCET

24. List of eminent academicians and scientists / visitors to the department

S. No	Year	Name of the Academician/ Scientist/ Industrialist	Designation	Organization	Purpose of visit
1	2012-2013	Dr.D.Swamy Doss	Professor	Adhiyaman College of Engineering	Guest Lecture
2	2013-2014	Dr.S.Lilly Florence	Professor	Adhiyaman College of Engineering	Guest Lecture
3		Parthiban	Actor	Chennai	Guest Lecture

4		Mr.M.S. Subramanian	Dy General Manager (retd.)	NSIC , Chennai	Guest Lecture
5		Dr.D. Thandapani	Professor	Principal JCET	Workshop
6	2014-2015	Dr.T.Lalitha	Professor	Sona College of Technology, Salem	Guest Lecture
7		Mr.T.Prabakaran	Managing Director	Neolysi Technologies Pvt Ltd.,	Workshop
8		Dr.G.Bagyavathi	Professor	Govt. College, Dharmapuri	Guest Lecture
9		Dr.S.Lilly Florence	Professor	Adhiyaman College of Engineering	Guest Lecture

25. Seminars/ Conferences/Workshops organized & the source of funding

S. No	Seminars/ Conferences/ Workshops organized	Title of the Program	Source of Funds
Academic Year 2014-2015			
1	XETA2K15	National Level Conference	JCET
2	DAZZTECH2K15	National Level Students Technical Symposium	JCET
Academic Year 2013-2014			
1	XETA2K14	National Level Conference	JCET
2	DAZZTECH2K14	National Level Students Technical Symposium	JCET
Academic Year 2012-2013			
1	XETA2K13	National Level Conference	JCET
2	DAZZTECH2K13	National Level Students Technical Symposium	JCET
Academic Year 2011-2012			
1	XETA2K12	National Level Conference	JCET
2	DAZZTECH2K12	National Level Students Technical Symposium	JCET

26. Student profile programme/course wise:

Academic Year	Name of the Course/programme	Applications received	Selected	Enrolled	
				*M	*F
2014-2017	MCA - Master of Computer Applications	33	33	19	14
2013-2016		31	31	18	13
2012-2015		62	62	32	30
2011-2014		45	45	23	22

*M = Male *F = Female

27. Diversity of Students

Academic Year	Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
2014-2017	MCA - Master of Computer Applications	100		--
2013-2016		100	--	--
2012-2015		100	--	--
2011-2014		100	--	--

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Name of the Competitive	No. of students qualified			
	2011-12	2012-13	2013-14	2014-15
GATE	--	--	--	--
Civil Services	--	--	01	--
Defence Service	--	--	--	--
Public Sectors	--	--	--	--

29. Student progression

Student progression	Against % enrolled			
	2011-12	2012-13	2013-14	2014-15
UG to PG	NA			
PG to M.Phil	--	--	--	--
PG to Ph.D	--	--	--	--
Employed				
I Campus selection	70.81	30.72	40.88	20.35
II other than campus recruitment	12.15	40.50	40.68	67.53
Enterprenurship/ Self-Employment		10.65	9.65	10.25

30. Details of Infrastructural facilities

a) Library:

S.No	Particulars	MCA
1	Plinth Area	33 Sq.m
2	Book Volumes	17
3	National journals	10
4	International Journal(UG&PG)	6
5	Titles	1350
6	Project Reports	79

b) Internet facilities for staff & students:

Internet provider	Available bandwidth	No.of Computers
BSNL	20 Mbps	50

c) Class rooms with ICT facilities: 01

d) Laboratories:

S.No	Name of the Laboratory	Area(Sq.Mts)	Total Investment (Rs.in Lakh)
1	Open Source Lab	61.25	542006.00
2	Java Lab	61.25	542006.00
3	C&C++ Lab	61.25	542006.00
4	Unix Lab	61.25	542006.00

31. Number of students receiving financial assistance from college, university, government or other agencies

Agency	Number of student received financial Assistance			
	Academic Year			
	2011-2012	2012-2013	2013-2014	2014-2015
College	-	-	-	-
University	-	-	-	-
Government	10	11	5	20
Other Agencies (Mindtree)	5	12	10	13

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

S. No	Name of the event	Special Lectures / Work Shops / Seminar	Date	No Benefited	Year
1	Project Training	Workshop	26.03.2011 to 27.03.2011	14	2011-2012
2	Research Methodology is Organized in Association with IETE & IEC	Workshop	06.07.2011	40	2011-2012
3	Dot Net Programme	Workshop	06.08.2011	100	2011-2012
4	Career Development Programme on Competence Building	Workshop	05.12.2011	100	2011-2012
5	Open Source Software	Special Lectures	10.03.2013	100	2013-2014
6	Android, .Net & Java	Seminar	11.07.2013	120	2013-2014
7	Android Programming & Application Development	Workshop	26.07.2013 to 27.07.2013	90	2013-2014
8	J2EE	Special Lectures	19.09.2014	110	2014-2015
9	.Net	Seminar	11.02.2015	90	2014-2015

33. Teaching methods adopted to improve student learning

- Active Learning
- Clicker use in class
- Discussion Strategies
- Critical Thinking
- Brain Storming
- Group Discussion
- Analogy
- Demonstrations using Lab visits
- Demo Classes Conducting
- Organizing industrial Visits
- 100% Real -Time Projects

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

2012-2013				
S.No	Name of the Program	Date	Place	Attending Cades
1	Republic day	26.01.2012	Jayam College of Engineering and Technology, Dharmapuri.	10
2	Independence day	15.08.2015	Jayam College of Engineering and Technology, Dharmapuri.	10
3	NCC day	24.11.2012	Jayam College of Engineering and Technology, Dharmapuri.	10
2013-2014				
1	Republic day	26.01.2013	Jayam College of Engineering and Technology, Dharmapuri.	10
2	Independence Day	15.08.2013	Jayam College of Engineering and Technology, Dharmapuri.	25
3	Blood Donation Camp	24.09.2013	Jayam College of Engineering and Technology, Dharmapuri.	13
4	Cleaning Activities in Pennagaram Hospital	04.10.2013	Pennagaram Govt.Hospital.	10
5	Blood donation camp	03.03.213	Dharmapuri medical college	10
6	NCC day	22.11.2013	Jayam College of Engineering and Technology, Dharmapuri.	10

2014-2015				
1	Republic day	26.01.2014	Jayam College of Engineering and Technology, Dharmapuri.	5
2	Blood donation	14.02.2014	Ganesh Arts and Science college, Salem	11
3	Road safety & traffic rules (Nallanur - Dharmapuri)	03.03.2014	Jayam College of Engineering and Technology, Dharmapuri.	5
4	Special Camp	19.03.2014-25.03.2014	Kuthappadi Panchayat	6
5	Clean India	03.08.2014	Jayam College of Engineering and Technology, Dharmapuri.	5
6	Independence day	15.08.2014	Jayam College of Engineering and Technology, Dharmapuri.	5
7	NCC day	21.11.2014	Jayam College of Engineering and Technology, Dharmapuri.	5
2015-2016				
1	Republic day	26.01.2015	Jayam College of Engineering and Technology, Dharmapuri.	5
2	International day of YOGA	21.06.2015	AVS Arts and Science - Salem	5
3	Eye camp	13.08.2015 to 14.08.2015	Jayam College of Engineering and Technology, Dharmapuri.	10
4	Independence day	15.08.2015	Jayam College of Engineering and Technology, Dharmapuri.	5

35. SWOC analysis of the department and Future plans

- Excellent Students.
- Successful alums.
- Excellent reputation with Industry.
- Strong history of balancing teaching and research.
- Strong faculty with a balance of interest in teaching & result.
- Compute Laboratories are well equipped with latest high end Laptops, networked through high speed.
- Wide range of co-curricular and extra-curricular activities.

Weakness of Department:

- Even though on campus placements are consistent, there is enormous scope for achieving higher placement rather through appropriate trainings. Also there is no concerted effort towards training weaker students.
- Contribution of faculty to pursue higher studies / research is low.

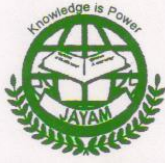
Opportunities:

- Excellent career opportunities for graduates.
- Opportunities to bring adjunct & guest faculty as visiting professors.
- Interaction with industry is a major step towards increasing the employability of graduates. This activity will not only help in higher but will also assist the department in 'train the trainer' activity. Also industry partners may be offered provided training to their employees.
- Exploring possibilities of collaborative research with research institutions

Challenges:

- Extremely heavy workload for faculty and staffs. This means minimally there is no time to reflect and may potentially result in long term burn-out.
- Fast changing technology is another challenging.
- Giving extra focus on weaker students.
- Keeping pace with the rapid changes in higher education.

JAYAM COLLEGE OF ENGINEERING & TECHNOLOGY



(Approved by AICTE & Affiliated to Anna University)

(NBA Accredited & ISO 9001 : 2008 Certified)

Nallanur, Dharmapuri - 636 813, Tamilnadu, India.

Phone : 04342-235235 (30 Lines) Fax : 04342-235555

web : www.jcet.ac.in

E-mail : info@jcet.ac.in



Declaration by the Head of the Institution

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Signature of the Head of the institution

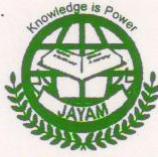
Place: Nallanur

Date: 21-11-2015

with seal:
PRINCIPAL
Jayam College of Engineering
& Technology, Nallanur,
DHARMAPURI - 636 813



JAYAM COLLEGE OF ENGINEERING & TECHNOLOGY



(Approved by AICTE & Affiliated to Anna University)

(NBA Accredited & ISO 9001 : 2008 Certified)

Nallanur, Dharmapuri - 636 813, Tamilnadu, India.

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web : www.jcet.ac.in

E-mail : info@jcet.ac.in



Certificate of Compliance

This is to certify that Jayam College of Engineering and Technology fulfils all norms

1. Stipulated by the affiliating University and
2. Regulatory Council / Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition is valid as on date.

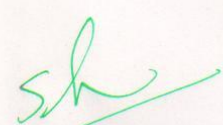
In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agree able that the undertaking given to NAAC will be displayed on the college website.

Date: 29.12.2015

Place: JCET-Nallanur.


Principal / Head of the Institution
(Name and Signature with Office seal)

PRINCIPAL
Jayam College of Engineering
& Technology, Nallanur,
DHARMAPURI - 636 813

