

Secretary & Correspondent's Message



Al-Ameen Engineering College is a premier Institute in Tamil Nadu which was started in 2009, under the auspices Al-Ameen Educational and Charitable Trust formed by the Magnificence of Muslim Philanthropists of Erode

Al-Ameen Engineering College prepares leaders through an innovative learning experience that embrace unlimited future possibilities. Over the past few years, we have developed an outstanding credential to hold up our reputation in the educational Field. We have a dynamic and welcoming environment that nurtures hi-caliber students to become confident and competent professionals. The quality of our education is constantly confirmed by the success of our students. As committed educationalist, we have a proud legacy to foster latest technological advancements to meet the ever-changing challenges of today and tomorrow. We aim to craft new generation engineers to become creative problem solvers and portray their talent on a global canvas.

Principal's Message



Technical Education is the backbone of every Nation and is the stepping stone for a Country to move into the niche of a developed Nation. Al-Ameen Educational and Charitable Trust has been contributing in the mission of transforming rural India into developed Nation by running Al-Ameen Engineering College at Erode, Tamilnadu with innovation, creativity, human intelligence and patience. **“Service to Human being is Service to God”**.

Al-Ameen Engineering College which has very eco-friendly campus and is equipped with state-of-art infrastructure. We have well equipped labs, workshops and libraries to help students in attaining highest standards in academics, research and professional skills. The campus has adequate sports infrastructure to take care of sports and recreational activities.

Creating better human beings’ is our motto and we can do that when we are able to mould our students to be good human beings with values which are embedded for life. We aim to provide an overall development that nurtures them towards becoming strong and focused human beings. Soft skills and educational skills is what the Institution seeks to provide every student at the campus itself through its Al-Ameen Placement Cell.

The main focus of the Institution is to empower students with sound knowledge, wisdom, experience and training both at the academic level of Engineering and in the highly competitive global industrial market.

EXECUTIVE SUMMARY

Al-Ameen Educational and Charitable Trust was established in the year 1984 by philanthropists from various professionals and industrialists, with an objective of providing quality technical education to all section of society in and around Erode.

Established in the year 2009 by Al-Ameen Educational and Charitable Trust, **Al-Ameen Engineering College** the second institution of this trust is in its 7th year of service to the student community. The trust is managed by the following members.

S.No.	Name of the Trust Members	Designation
1	Alhaj. Dr.K.A.S. Amanullah, M.B.B.S., D.C.H.,	President
2	Alhaj. A.K. Jafarullah	Secretary & Correspondent
3	Alhaj. K.K.S.A. Sheik Mohideen	Vice President
4	Alhaj. H.A. Md. Hasan Ali	Vice President
5	Alhaj. A. Iskandar, B.Tech.,	Vice President
6	Alhaj. K.S. Shahul Hameed	Vice President
7	Alhaj. K.K.A. Syed Ahamed Ali	Treasurer
8	Alhaj. K.A.S.K. Jaffar Ali	Joint Treasurer
9	Dr. A. Atheeb, M.D., DM	Joint Secretary
10	Alhaj. S.A. Mohamed Ali	Joint Secretary

The institution is located 13 kms off Erode in Modakurichi road in the amiable and well developed college campus sprawling around 33 acres of land, well connected with road and railways. The landscape and garden are beautifully maintained to refresh the mind of the students and faculty.

Vision

It is our endeavour to evolve as a globally competent Technical University and to build centre of Excellence in Engineering, Technology, Applied science and management.

Mission

We are committed to achieve sterling standards in Academics, Research and other social service activities besides being poised to produce outstanding and holistic professionals.

Objectives/Quality Policy

“To be a good leader in providing self disciplined, quality education, training and research in Engineering and Technology with dedicated support of staff members and infrastructure for developing manpower to face the challenges of Globalization”.

- Empowering the youth through technical education and providing professional leadership
- Placing faith in human values
- Providing excellent teaching and research environment
- Industrial interaction
- Providing excellent infrastructure facilities
- Aiming at continual improvement in all activities

The institution is now in its seventh year of dedicated service to the people of Tamil Nadu and other states in the field of Technical Education. The college started with four undergraduate courses and has spread its wings to a multidisciplinary institution with five Undergraduate courses and three Postgraduate courses. The growth of the institution has been well planned to excel and meet the specific needs of the society and growing academic interests of the student community.

COURSES OFFERED:**B.E:**

- Civil Engineering
- Computer Science and Engineering
- Electronics and Communication Engineering
- Electrical and Electronics Engineering
- Mechanical Engineering

M.E:

- Computer Science and Engineering
- VLSI design Engineering

The present Faculty strength of the institution is 109. The college maintains the Faculty: Student ratio of 1:15 for the effective and quality teaching. The Principal is the ultimate administrative authority discharging works with the guidance and approval of the college Management and each department independently functions under the guidance of the Heads of the Departments. The institution has many experienced Faculty, encouraged with timely promotions and incentives for research. AICTE norms are strictly adhered to for the promotions. The college has organised 3 National conferences, 2 International conference and about 45 seminars/workshops in the last four years. A separate office and examination cell are functioning in our college campus with all facilities and software packages to conduct the End Semester Examinations. The Training and Placement Cell is functioning efficiently in the college premises. The cell organizes various programmes to train the students according to the industrial needs. It invites experts from various parts of the country to enhance the students' employable skills and communication skills.

The library houses a rich collection of books for all the subjects with recent publications. There are about 14397 books, 2863 individual titles, nearly 50 National Journals and 2173 e-Journals and ample number of digital sources. The library is kept opened for 10 hours in week days and its services can be availed even on Sundays. The college has state-of-the-art facility. Independent blocks with sophisticated laboratories have been provided to each department. Laboratories are well equipped and air-conditioned.

The Auditorium in the campus has the capacity to accommodate 750 students and A/C seminar hall to accommodate 200. The college canteen has a spacious dining hall. Its maintenance and food preparations are done with great care and thereby ensuring good health and hygiene. Rain water harvesting system is implemented throughout the campus to sustain the ground water level.

There are 2 hostels for the gents and 1 hostel for ladies in the college. 502 students are given accommodation in the gent's hostels and 29 in the ladies hostel. Telephone facility is available for the hostel students. Recreation facilities and indoor games are available in the hostel. Cooking systems are functioning well with separate dining halls for the residing gents and ladies.

The college operates buses in all the directions in and around it, in order to meet the requirements of the day scholar students and Staff members. Apart from using all the general facilities, the students gain expertise themselves by involving in the regular curricular, co-curricular and extracurricular activities. Many programmes for the welfare of the students are organised with the help of all the clubs, chapters and working groups with the guidance of the staff coordinators.

Criteria-wise documentation has been prepared for NAAC accreditation. The seven criteria as per the NAAC format is presented, detailing the core functions and activities of the institution focusing the issues which direct impacts shall be seen in the teaching-learning, the community development and the holistic development of the students of the institution.

SWOC Analysis of the Institution

Strength

- Pollution Free Learning Environment – Modern Day Engineering and Technology
- Adequately Equipped Laboratories as per University Syllabus
- Mentorship Practice Adapted For the Students
- Well Experienced Faculty
- Eminent Guest Speakers from academia, Industry and Service sector are invited for interaction and exposure to best practices for the students and faculty
- College has Reward System for High performing Students and Faculty Members
- Eco-Friendly and amicable working atmosphere
- Updated University Curriculum to impart futuristic technical education to improve the students' standard in today's global arena
- Well Stacked library with good number of national and international journals
- Various Cells to shape the students
- Experienced, Dedicated and Highly Qualified Faculty Members
- Constant encouragement given for the faculty members in pursuing research leading up to Ph.D.
- Student participation in various co-curricular and extra-curricular activities
- Student's life activities, mentoring, faculty appraisal, online students' feedback system
- Use of advanced teaching aids
- Internal Quality Assurance Cell (IQAC) is formed and it monitors the progress of academic and co-curricular and extra-curricular activities of the institution
- Decentralized and Delegation of power to HODs, Vice Principal and the Principal which have resulted in transparency in management and administration.
- Special coaching classes / special courses and industry relevant skill enhancement courses conducted for bridging the gap and to improve the soft skills to enhance the employability of students.
- The College is situated in a spacious 13.33 acre campus.
- Large Number of Initiatives Undertaken for supporting slow learners and students from diverse backgrounds

- Management Scholarship is provided for the needy students based on considering various factors like family background, father's income, Merit students, etc.
- Participants of Symposiums and Conferences are financially aided by the Management.
- Proper honor is given for the University Rank Holders.
- Social activities conducted by NSS and YRC in nearby Villages and Government schools every year.
- Regular Industrial Visits to bridge the gap from College to Industry.
- Medical care is given for hostel students.

Weakness

- As majority of students are from rural areas, the training hours for Communication Skill program need to be increased.
- As most of the students are from remote villages, it leads to lack of entrepreneurial skill which needs a special attention.
- Lack of awareness about higher education in abroad.
- Lack of patents and advanced research.
- The Scarcity of very well qualified senior professors especially for the core engineering. However, the continuous effort is made by management team to recruit very senior level faculty from reputed Institutions.

Opportunities

- The institution can apply for the establishment of centre of Excellence in association with Research Organization.
- Enter into Collaborative Projects with Industries and other Institutions for better exposure of students.
- Networking with other Institutions for sharing of advanced technologies.
- Development of web-based Online Training Courses.
- Preparing students for Competitive Examinations like GATE, BEC, TOEFL, etc. The Institution needs to focus on R & D Funded Projects.
- Starting additional PG Courses and Ph.D Programmes.
- Students' participation in club activities, intercollegiate competitions.
- Involving more faculty members in research through incentives.

Challenges

- Coping with rapid changing in technology and the industrial requirements to improve the employability of the students are the biggest challenge for an Institution affiliated to a University.
- Declining supply of quality faculty members. Doctorates as well as exposing the teaching faculty to the industrial scenario and get them trained in an industry is another challenge.
- Poor Intake needs extra effort for cent percent result and University Ranks.
- Changing Social, Political and Economic scenario leading to unpredictable future.
- Higher Benchmarks set by industries and market challenge.
- Vagaries in student admission due to unpredictable demand for programs, which are based on the job market.
- Government Regulations with regard to fee structure for students.
- Rural student's poor communication skills are a major constraint in getting placements in top MNC's.
- Making the rural background students with poor admission intake to learn and adapt to the demanding industrial needs.
- Country's economic recession and changing political scenario.
- Industrial recession and fluctuating demand and placement opportunities.
- Training rural based Tamil Medium based students in English language developing communication skills of them is a really a challenging job.
- To promote study-abroad and student – exchange programme for the final year students.

1. Profile of the Affiliated College

1. Name and Address of the College:

Name:	AL-AMEEN ENGINEERING COLLEGE		
Address:	KARUNDEVANPALAYAM, NANJAI UTHUKKULI POST		
City:	ERODE	Pin:638104	State: TAMILNADU
Website:	www.alameen.ac.in		

2. For communication:

Designation	Name	Telephone With STD code	Mobile	Fax	Email
Principal	Dr. A.M.J. Md. Zubair Rahman	0424-2501354	96777 94947	0424-2500354	amjzubair@gmail.com
Vice Principal	Dr. M. Md. Musthafa	0424-2500354	97153 09000		musthafain@gmail.com
Steering Committee Co-ordinator	Dr. G. Balaji	0424-2500126	98427 39394		balajivaitresh@gmail.com

3. Status of the Institution:

Affiliated College

✓

Constituent College

Any other (specify)

4. Type of Institution:

a. By Gender

i For Men

ii For Women

iii Co-education

✓

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	<input checked="" type="checkbox"/>
No	<input type="checkbox"/>

If yes specify the minority status (Religious / Linguistic / any other) and provide documentary evidence. **F.NO. 2064 OF 2011/61706 dated 4th July 2012.**

6. Sources of funding:

Government	<input type="checkbox"/>
Grant-in-aid	<input type="checkbox"/>
Self-financing	<input checked="" type="checkbox"/>
Any other	<input type="checkbox"/>

7. a. Date of establishment of the college: **22.05.2009**

b. University to which the college is affiliated / or which governs the college (If it is a constituent college) **ANNA UNIVERSITY, CHENNAI**

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2(f)	Application Submitted on <u>28.11.2014</u> and the queries were rectified and submitted on <u>10.07.2015</u> .	
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
AICTE, New Delhi	F.No. Southern / 1-2811090402 /2016/EOA	25-04-2016	1 Year	---
Anna University, Chennai	Lr.No.01/CAI/AU/CBE/AU2016-17/7302	12-05-2016	1 Year	---

(Enclose the recognition / approval letter)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by 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

☒

b) For its performance by any other governmental agency?

Yes

☐

No

☒

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

Location	Rural
Campus area in sq.mts.	53,985.06
Built up area in sq.mts.	13,183.12

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case 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	✓
	Gymnasium	✓
*	Hostel	
	Boys' hostel	
	i. Number of hostels	2
	ii. Number of inmates	502
	iii. Facilities (mention available facilities)	
	Mess, RO drinking water, Recreation Hall, Internet Facility, Newspapers (English, Tamil & Malayalam), Cot, Sports Facilities, Ambulance, etc.,	
	Girls' hostel	
	i. Number of hostels	1
	ii. Number of inmates	29
	iii. Facilities (mention available facilities)	
	Mess, RO drinking water, Recreation Hall, Internet Facility, Newspapers (English, Tamil & Malayalam), Cot, Sports Facilities, Ambulance, etc.,	
	Working women's hostel – Not Available	
	i. Number of inmates	
	ii. Facilities (mention available facilities)	
*	Residential facilities for teaching and non-teaching staff	
*	Cafeteria	✓
*	Health centre	✓
	First aid facility	✓
	Ambulance facility	✓
	Emergency care facility	✓

Health centre staff		
Qualified doctor		
Full time		
Part-time		✓
Qualified Nurse		
Full time		
Part-time		✓
* Facilities like banking, post office, book shops		
Banking		
Post Office		
Book shops		✓
* Transport facilities		
Students		✓
Staff		✓
* Animal house		
* Biological waste disposal		✓
* Generator or other facility for management / regulation of electricity and voltage		✓
* Solid waste management facility		✓
* Waste water management		✓
* Water harvesting		✓

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

Sl. No	Program me Level	Name of the Programme / Course	Duration	Entry Qualific ation	Medium of instruction	Sanctioned approved Student strength	No. of student admitted
1	Under –Graduate	B.E. Civil Engineering	4 Years	Passed in 12 TH STD / Diploma	Tamil/ English	60	30
2		B.E. Computer Science and Engineering	4 Years		Tamil/ English	60	32
3		B.E. Electrical and Electronics Engineering	4 Years		Tamil/ English	60	25
4		B.E. Electronics and Communication Engineering	4 Years		Tamil/ English	60	30
5		B.E. Mechanical Engineering	4 Years		Tamil/ English	120	92

6	Post-Graduate	M.E. Computer Science and Engineering	2 Years	BE / B.TECH	English	24	5
7		M.E. VLSI Design	2 Years		English	24	3

13. Does the college offer self –financed Programmes?

Yes

☒

No

☐

If yes, how many?

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

Yes

☒

No

☐

Number

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list 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				
Any Other (Engineering)	Civil Engineering	✓		
	Computer Science and Engineering	✓	✓	✓
	Electrical and Electronics Engineering	✓		
	Electronics and Communication Engineering	✓	✓	✓
	Mechanical Engineering	✓	✓	

16. Number of Programmes offered under (Programme means a degree course like B.A., B.Sc., M.A., M.Com...)

a.	Annual system	
b.	Semester system	8
c.	Trimester system	

17. Number of programmes with

a.	Choice Based Credit System	Nil
b.	Inter / Multidisciplinary Approach	Nil
c.	Any other (specify and provide details)	Nil

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

Yes ☐ No ☒

If Yes,

a. Year of introduction of 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 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 opening 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 UGC / University / State Government Recruited	Not Applicable									
Yet to recruit	Not Applicable									
Sanctioned by the Management / society or other authorized bodies Recruited	10	2	24	7	58	8	12	-	44	-
Yet to recruit	-	-	-	-	-	-	-	-	-	-

*M-Male * F-Female

21. Qualifications of 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	2	1	-	-	1	10
M.Phil.	-	-	4	4	8	3	19
PG	4	-	19	3	50	4	80

Temporary teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-
Part-time teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

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	Year 1 (2014-15)		Year 2 (2013-14)		Year 3 (2012-13)		Year 4 (2011-12)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	28	10	9	3	9	4	11	0
ST	2	0	0	0	0	0	1	0
OBC	246	43	219	39	147	25	235	25
General	42	1	38	1	65	3	73	3

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	269	5	-	-	274
Students from other states of India	46	1	-	-	47
NRI students	0	0	-	-	0
Foreign students	0	0	-	-	0
Total	315	6	-	-	321

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

UG

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PG

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26. Unit Cost of Education

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

(a) including the salary component

Rs. 40,945/-

(b) excluding the salary component

Rs. 17,935/-

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

Yes

No

✓

If yes,

a) is the registered centre for offering distance education programmed 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 Distance Education Council.

Yes

No

✓

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

1:15 for UG (B.E.) and 1:12 for PG (M.E.)

29. Is the college applying for

Accreditation : Cycle 1 ☒ Cycle 2 ☐ Cycle 3 ☐ Cycle 4 ☐

Re-Assessment: ☐

(Cycle 1 refer to first accreditation and cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1:(dd/mm/yyyy) Accreditation Outcome / Result

Cycle 2:(dd/mm/yyyy) Accreditation Outcome / Result

Cycle 3:(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.

210

32. Number of teaching days during the last academic year

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

180

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

IQAC established on 02/09/2015 (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)

CRITERION I: CURRICULAR ASPECTS**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.****Vision**

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- Empowering the youth through technical education and providing professional leadership
- Placing faith in human values
- Providing excellent teaching and research environment
- Industrial interaction
- Providing excellent infrastructure facilities
- Aiming at continual improvement in all activities

Communication to Students, Teachers, Staff and Other Stakeholders

Vision and Mission are printed in the college handbook, displayed in the college building corridors, departments, office and published in the college website. They are exhibited at various prominent places of the institute such as faculty rooms, library, laboratories, student centres, where students frequently meet. The vision and mission

statements of the college are also displayed on the college website. During induction programs, students are familiarized to the vision, mission and objectives of the institution. Whenever the college participates in educational fair and exhibitions, the pamphlets containing the goals and objectives are distributed among various groups.

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 following action plans are developed

- The curriculum & syllabus is provided to the students and faculty as a printed handbook.
- Lecture plan is prepared according to the college calendar for each semester.
- Prior to the commencement of classes, individual lecture plans are prepared for each theory and practical subjects.
- Lecture notes are also prepared in advance and senior faculty contribute by rendering suggestions to the junior faculty in preparing quality contents.
- Head of each department conducts meeting with faculty members handling the subjects to deliberate the mode of teaching and to fix the portions for each continuous assessment test.
- Teachers are encouraged in advance to implement curricular aspects through innovative teaching methods such as ICT-enabled presentations, assignments, discussions, workshops, seminars, industrial visits and computer education apart from regular/traditional teaching methods.
- Course files are maintained by each faculty for their respective subjects allotted, which are reviewed on continuous basis by the HODs.
- Laboratory manuals are prepared and are distributed to the students.

The deployment of the action plans are carried through following actions

- Effective implementation of curriculum is periodically reviewed through departmental meetings in the presence of the Principal.

- Based on the curriculum various assessment examinations like unit tests, internal assessment examinations and model exams are regularly conducted as per the schedule.
- Proper evaluation review of the results is carried out by the respective faculty and the Head of the Departments.
- Progress of the students is regularly informed to their parents, who can contribute in the improvement of the student. The parents are encouraged to meet the HOD, faculty and class tutor to have an on the spot assessment of the student.
- The Principal / HOD directly gets feedback from the students through class committee meetings on the progress of individual subjects and takes immediate action by instructing the Faculty concerned to improve.
- Practical lab session is conducted synchronously with the theory. Thus at the end of the semester, the students get theoretical knowledge blended with practical application.
- Smart classrooms are provided to implement the curriculum effectively.
- Students are given opportunities to exhibit their skills and leadership qualities in arranging national /international conferences, seminars, workshops, symposia and other extracurricular activities to achieve good placement record.
- The communication skills of the students are incorporated through various programmes like aptitude session, critical thinking, group discussion and interviews.
- By effective implementation of the curriculum, the institution emerges as a globally reputed institution and achieves a status of Excellence in the field of engineering.

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 curriculum, syllabus, text books and reference books for all the courses are prescribed by the university.
- Based on the guidelines of the University required lecture and tutorial periods are allotted for each subject by the institution.

- For effective teaching methods, the institution provides Information and Communication Technology (ICT) enabled classrooms equipped with facilities like LCD projectors, Internet etc., to enable the students to visualize the concepts being taught. This enhances the learning experience of the students and understands the concepts better.
- Various E-journal downloading facilities are made available in the college library.
- Wi-Fi internet facility is available throughout the campus for free access of journals and other e books and learning materials like NPTEL Videos etc.
- Centre for Faculty Development, Anna University has developed e-learning materials and Videos which is available in the University web page for easy access.
- Quality Improvement Cell (QIC) as per the guidelines of the Anna University is functioning in our campus effectively.
- Every semester Anna University sponsored faculty development programs for specific subjects are organized by affiliated institutions and faculty members of AEC are encouraged through QIC to attend such programs to enrich their knowledge.
- It is made mandatory that each faculty member is required to attend at least one Seminar/Workshop conducted by other universities / Institutions for enriching their subject knowledge for which Institution also contributes the Registration fees, TA/DA financially.
- Innovative teaching methodologies have been implemented for the betterment of the students.

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.

- The qualified and dedicated faculty team of AEC is committed to curriculum delivery for enriching the students technically with ethics and help them to build their career.

- Laboratory facilities are developed as per Anna university norms and additional equipments are made available to do additional experiments beyond the syllabus for a thorough understanding of the subject.
- Remedial classes are conducted to make slow learners to understand the subject and catch up with the fellow students.
- The laboratories are kept open till extended periods, to make the students to do project related experiments.
- Uninterrupted power supply is ensured either through TNEB supply or generator during the lab hours.
- Emerging technologies are imprinted on students through guest lectures.
- LCD projector and OHP are available for effective delivery of lectures.
- Value added courses are arranged.
- Text Books and note books are provided to SC/ST and economically weaker students at free of cost.
- Wi-Fi connections are available throughout the campus including hostel for easy surfing of subject related seminars, conference and other technical notes.
- Required committees are formed to perform all the above activities to create a better ambience and learning environment for 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?

Industry and research bodies

- Industry Advisory Committee is formed from all the departments to review their Programme Educational Objectives to fulfil the requirements of the industrial needs and for better placement. Hence, the potential and performance of the students are monitored right from the entry to their departments till their course completion.
- Industry visits are undertaken by Faculty and students.
- Experts from various industries are invited for guest lectures.
- Alumni are often invited and consulted for effective curriculum delivery.

- Feedbacks are obtained from the employers of our students.
- Experts from industries are included as members of some of the committees of the college.
- Motivate the students to participate in industry orientated workshops, symposia, conferences and seminars to gain knowledge apart from the curriculum.
- The MOUs help the student to do industry related projects. The details of MOUs signed is mentioned below:

S.No.	Department	Organizations
1	Civil	CPLR Institute
2	Civil	RIDGE Construction
3	Civil	SCS construction
4	CSE	SAN Technologies
5	CSE	Avatar Academy
6	CSE	Spik Solutions
7	CSE	Byzero Technologies
8	CSE	SP Internet Technologies (P) Ltd.
9	ECE	Saveetha University
10	ECE& EEE	VI Micro Systems
11	ECE & EEE	Spark Tech
12	ECE & EEE	Vam Electra Enterprises
13	ECE & EEE	Megatronics
14	ECE & EEE	Embuzz Technologies Pvt. Ltd.
15	ECE & EEE	Southern Automation
16	EEE	Axis Global Institution of Industrial Training
17	MECH	Prabha Engineering Corporation Coimbatore
18	MECH	El Mc Sam Lab Equipments MFRS

19	MECH	C Cube Institution
20	S&H	Milton English Academy
21	S&H	Voice Training Solutions
22	S&H	APTECH Spoken English
23	S&H	Smart Training
24	All Department	Be Well Hospitals



MOU Signed

University

- Educational objectives are framed by the department based on Anna university curriculum. Various steps are taken to achieve these objectives by constant monitoring of students right from entry till their completion of the courses.
- Faculty from various colleges as invited for guest lectures / seminars.
- Feedback from various stakeholders like students, parents, industry and research and development are consolidated by IQAC and sent to the various boards of studies of the affiliating university for effective improvement in curriculum.

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

AEC through the representations made by senior Professors for appropriate curriculum update serving as members of Board of Studies, help the faculty in the development of the curriculum.

Sl.No.	Name of the Faculty	Designation & Department	Member of University/ Institute
1.	Dr. A.M.J. Md. Zubair Rahman	Professor & Principal	Kongu Engineering College, Perundurai
2.	Dr. M. Md. Musthafa	Professor & Vice Principal	SNS College of Technology, Coimbatore
3.	Dr. G. Balaji	Associate Professor & HOD/S&H	Erode Arts College, Erode
4.	Mr. G. Manoj Prabhu	Assistant Professor/EEE	Nandha Engineering College, Erode
5.	Mr. O. Cyril Mathew	Assistant Professor/ECE	Nandha Engineering College, Erode

It has been a regular practice of the college to depute senior most faculties to meet the students in the classrooms exclusively and informally outside the classroom to get their informal feedback. Outcome of parent-teacher meetings as well as reports from the administration are also taken into consideration while forwarding suggestion to the board of studies.

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.

The institution is affiliated to Anna University, Chennai and follows the curriculum and syllabi prescribed by the University. The institution cannot

frame any new curriculum for any of the courses offered. But, in order to meet the industry needs, the Institution is providing value added courses for all the programmes.

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

- Each course has specific programme objectives and course outcomes
- The objectives of curriculum are achieved by means of teaching and evaluation process.
- In addition to that, the college regularly conducts the various meetings of class committee, Staff, HODs, Management Review Committee to monitor and analyse the achievement of curriculum objectives.
- The students' performances are evaluated by conducting Internal Assessment Tests, Class Tests, Laboratory Model Examinations, Tutorials and end semester examinations.
- Systematic documentation is maintained to review the outcomes of the curriculum. If at any point, the college realizes that the objectives are not being achieved, remedial actions and strategies are devised to cover up the gaps, The outcomes of the curriculum are reviewed.

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.

Apart from the regular curriculum, every semester college also offers a certain value added courses to enhance the employability skills of the students. The college regularly arranges the industrial visit, in-plant training, workshop, seminar, guest lecture and symposium to update their knowledge. Entrepreneurship Development Cell organizes the skills development programme to motivate students to become entrepreneurs. The details are given in the following table.

List of value added courses / skill development courses conducted

S.No.	Department / Cell	Courses
1	Mechanical Engineering	Creo modelling software Pro-E ANSYS 15 AUTO CAD 2015
2	Civil Engineering	CADD Total Station STAAD PRO Revit Software
3	Electronics and Communication Engineering	Embedded system, Embedded system design, Training Program on Networking, Embedded Basic Programming Quality Process, Training program, on digital Design with verilog, Training on circuit and PCB Layout Design & Training program, on PIC Microcontroller Application with Flow Code
4	Electrical and Electronics Engineering	PLC Power Electronics, Circuit Design, Measuring Instruments, Embedded System Design, SCADA & ECADD
5	Computer Science and Engineering	C, C++, Java Networking, Web Designing, Website Designing and Maintenance, Internet
6	Science and Humanities	Orientation Program, Students' Development Program, Bridge Course
7	Training and Placement Cell	Verbal Ability, Logical Ability Quantitative Aptitude, Placement Awareness program English Communication Skills Refresher Courses
8	Entrepreneurship Development Cell	Awareness Programme on How to become Entrepreneur

To meet the PEOs and POs of the department, the above mentioned value added courses and training programmes are conducted.

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

The college does not offer any dual degree and twinning programme as 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

The institution provides academic flexibility to the students in terms of undertaking projects in industries/ research organizations, thereby encouraging inter-disciplinary oriented project work, within the range of Core / Elective options offered by the University.

Core Options

Registration for all the core subjects is mandatory. Students enhance their academic and employability skills through the following ways.

- Tutorial hours are implemented to handle problem oriented subjects.
- Eminent persons or technical experts from the industry are invited for offering guest lecture.
- Seminars and Industrial visits are arranged regularly.
- In-plant training in industries are arranged to the students.
- Contents beyond the syllabus in theory and practical courses are provided.

Elective Options

The students are allowed to choose their own electives based on the curriculum. The elective subjects offered are based on the latest technological trends and industrial needs. At the end of the programme, the students are visiting the related industries. The list of elective subjects offered by the college is given in the following table.

Sem	Electives offered by the curriculum	Electives opted by our college students
B.E. MECHANICAL ENGINEERING		
07	ME 2027 Process Planning & Cost Estimation	ME 2027 Process Planning & Cost Estimation
	ME 2029 Design of Jigs, Fixtures & Press Tools	
	ME 2030 Composite Materials	
	ME 2028 Robotics	ME 2028 Robotics
	ME 2031 Thermal Turbo machines	
	ME 2032 Computational Fluid Dynamics	
	ME 2034 Nuclear Engineering	
B.E. CIVIL ENGINEERING		
07	CE2026 Traffic Engineering and Management	CE2027 Housing Planning and Management
	CE2027 Housing Planning and Management	
	CE2028 Ground Water Engineering	
	CE2029 Management of Irrigation Systems	
	CE2030 Coastal Zone Management	
	CE2031 Water Resources Engineering	
	CE2032 Pavement Engineering	
	CE2033 Ground Improvement Techniques	
	GE2073 Contract Laws and Regulations	
	CE2026 Traffic Engineering and Management	
07	CE2034 Introduction to Soil Dynamics and Machine Foundations	CE2039 Municipal Solid Waste Management
	CE2035 Rock Engineering	

	CE2036 Environmental Impact Assessment of Civil Engineering Projects	
	CE2037 Industrial Waste Management	
	CE2038 Air Pollution Management	
	CE2039 Municipal Solid Waste Management	
	CE2040 Ecological Engineering	
B.E. ELECTRONICS AND COMMUNICATION ENGINEERING		
07	EC2030 Advanced Digital Signal Processing	
	GE2022 Total Quality Management	
	EC2035 Cryptography and Network Security	
	EC2036 Information Theory	
	GE2071 Intellectual Property Rights	
	GE2025 Professional Ethics in Engineering	GE2025 Professional Ethics in Engineering
07	EC2027 Advanced Microprocessors	
	EC2028 Internet and Java	
	CS2060 High Speed Networks	
	CS2053 Soft Computing	
	EC2037 Multimedia Compression and Communication	
	EC2039 Parallel and Distributed Processing	CS2060 High Speed Networks
07	EC2029 Digital Image Processing	
	EC2031 Electromagnetic Interference and Compatibility	
	EC2033 Power Electronics	
	EC2034 Television and Video Engineering	
	EC2038 Nano Electronics	
	EC2041 Avionics	EC2034 Television and Video Engineering

B.E. ELECTRICAL AND ELECTRONICS ENGINEERING		
07	GE2022 Total Quality Management	GE2022 Total Quality Management
	EI2311 Bio Medical Instrumentation	
	EE2025 Intelligent Control	
	EE2026 Power System Dynamics	
	CS2071 Computer Architecture	
B.E. COMPUTER SCIENCE AND ENGINEERING		
07	MG2453 Resource Management Techniques	IT2024 User Interface Design
	CS2032 Data Warehousing and Data Mining	
	CS2033 Real Time Systems	
	CS2034 TCP/IP Design and Implementation	
	CS2035 Natural Language Processing	
	IT2024 User Interface Design	
	IT2401 Service Oriented Architecture	
07	CS2040 Advanced Operating Systems	GE2022 Total Quality Management
	CS2041 C# and .NET Framework	
	IT2352 Cryptography and Network Security	
	IT2061 Systems Modeling & Simulation	
	GE2022 Total Quality Management	
	IT2351 Network Programming and Management	
	IT2032 Software Testing	
	CS2045 Wireless Networks	
M.E. COMPUTER SCIENCE AND ENGINEERING		
03	NE7012 Social Network Analysis	CP7022 Software Design
	CP7019 Managing Big Data	
	NE7011 Mobile Application Development	
	CP7020 Bio-inspired Computing	
	CP7021 Medical Image Processing	

	CP7022 Software Design	
	NE7012 Social Network Analysis	
M.E. VLSI DESIGN		
03	AP7301 Electro Magnetic Interference and Compatibility	VL7011 Signal Integrity for High Speed Devices
	VL7011 Signal Integrity for High Speed Devices	
	VL7012 Mixed signal IC Test and Measurements	
03	AP7010 Data Converters	VL7014 IP Based VLSI Design
	VL7013 VLSI for Wireless Communication	
	VL7014 IP Based VLSI Design	
	VL7015 Nanoscale Devices and Circuit Design	
M.E. CAD/CAM		
03	ED7004 Design of Hydraulic and Pneumatic Systems	ED7004 Design of Hydraulic and Pneumatic Systems
	CC7005 Data Communication in CAD/CAM	
	CC7006 Performance Modelling and Analysis of Manufacturing System	
03	ED7010 Tribology in Design	CC7007 Metrology and Non Destructive Testing
	CC7007 Metrology and Non Destructive Testing	
03	CC7008 Quality Management Techniques	CC7008 Quality Management Techniques
	CC7009 Design for Cellular Manufacturing Systems	

Choice based credit system and range of subject options

The range of subject option and choice based credit system are limited as per Anna university curriculum.

Courses offered in modular form

All courses are offered in modular form i.e., in five units or modules.

Credit transfer and accumulation facility

There is no scope for credit transfer and accumulation facility as per the Anna university regulations.

Lateral and vertical mobility within and cross programme courses

As per the Anna university regulations, there is no scope for lateral and vertical mobility within and cross programme courses.

Enrichment courses

Enrichment courses are offered in modular form on various emerging fields & technologies in each department. These courses are offered to interested students beyond working hours. In addition the college also arranges student workshops and guest lectures on various emerging areas to enrich the knowledge over and above the curriculum. Courses offers aptitude reasoning, motivation, and C programme classes for the students' to perform well in placement aptitude test and interviews. The following courses are conducted by the college in addition.

AY: 2016 - 2017				
Sl. No	Name of the Programme	Date	Resource Person	Participation
1	Symposium	23.08.2016	Mr. V. S. Elango, Managing Director, Alfa Switchgear Erode.	EEE
2	Guest Lecture / Power System Analysis	21.09.2016	Mr.K.Prakasam, AP/ EEE, KSR College of Engineering.	EEE
3	Guest Lecture	20.09.2016	S.Ram Kumar	ECE
4	Seminar – Compiler Design	28.08.2016	Dr. T. Kalaikumaran, Ph.D HOD/CSE, SNS College of Engineering, CBE	CSE
5	Seminar-Cryptography and Networking	27.09.2016	Dr. A. Senthil, Ph.D Prof/CSE, Amirta College of Engineering, CBE	CSE

6	Orientation Programme	30.7.2016	Prof. V. C. Malarmanan, Professor, BSM, Bharathidasan University, Trichy.	S&H
AY: 2015 - 2016				
Sl. No	Name of the Programme	Date	Resource Person	Participation
1	Workshop / Total Quality Management Concepts	20.07.2015	Dr. R. Senthilkumar, HOD/EEE Bannari Amman Institute of Technology Sathy.	EEE
2	Guest Lecture / Power System Operation and Control	12.08.2015	Mr.K.Prakasam, AP/ EEE, KSR College of Engineering.	EEE
3	Symposium	24.08.2015	Dr. M. Vijayakumar, ASP/ EEE, KSR College of Engineering	EEE
4	Guest Lecture / Discrete Time Systems and Signal Processing	10.03.2016	Mr.R.Jothimani, AP/ ECE, KSR College of Engineering.	EEE
5	Seminar	19.09.2015	DR.S.Venkatesa Kumar	ECE
6	Workshop	24.10.2015	DR.R.Vijayabhaskar	ECE
7	Workshop	19.03.2016	S.Amarnath	ECE
8	Symposium-Webrania'15	21.8.2015	MR.Vitesh Balaji,MBA,(Ph.D) Asst.Manager HR,Atlas Health Care Software, Coimbatore	CSE
9	Workshop-dot NET Basics	30.01.2016	M/S SAN Technologies,Erode	CSE
10	Guest Lecture-Theory of Computation	27.06.2015	Mrs.K. Karthika,Ph.D, Associate Professor/CSE, SNS College of Technology, Coimbatore	CSE

11	Awareness Program on First Aid on Emergency	29.07.2015	Dr. D.Shanmugasundaram Rtd. Medical Officer	MECH
12	Guest Lecturer on Expectation For Production Industry	28.08.2015	Mr. K.Mohammed Yusuf, Quality Inspector ,	MECH
13	Enrichment Programme on “Recent Trend in Quality”	10.09.2015	Mr.P.M.Ragu Manager, Quality Control,	MECH
14	Enrichment Programme On “Lean Manufacturing”	03.02.2016	Mr. C. Thirumoorti, Deputy General Manager, Sail.	MECH
15	Communication Development Program	20.08.2015- 22.08.2015 & 24.08.2015- 26.08.2015	Mr. Srinivasan	S&H
AY: 2014 - 2015				
Sl. No	Name of the Programme	Date	Resource Person	Participation
1	Guest Lecture / Microprocessors and Microcontroller	23.07.2014	Mr.S.Sridharan, Sr. Lecturer, Al-Ameen Polytechnic College.	EEE
2	Guest Lecture / Digital Signal Processing	10.09.2014	Mrs.M.Poonguzhali, HOD/ECE, Narasu’s Sarathy college of Engineering.	EEE
3	Guest Lecture / Digital Signal Processing	17.09.2014	Mr.R.Jothimani, AP/ ECE, KSR College of Engineering.	EEE
4	Guest lecture	12.09.2014	P.S.Gomathi	ECE
5	Workshop	23.09.2014	DR.R.Vijayabhaskar	ECE
6	Workshop	12.02.2015	Muhammed Ismail	ECE

7	Seminar-Basic Networking	04.02.2015	Mr.P.K. Amarnath, MD, Avatar Academy, Erode	CSE
8	Seminar-Web Designing	04.02.2015	Mr.A. Ahmed Ezaz Rasool,MD, Spik Solutions, Erode	CSE
9	Workshop-C,C++ BASICS	21.02.2015	SAN Technologies	CSE
10	Symposium	25.10.2014	Ms. Anitha Pandurangan,HR,MA- FAI Ranstand, Chennai	CSE
11	Underwater construction in modern methods	09.02.2016	Dr.N.Ramesh, Professor, KSR College of Technology	CIVIL
12	Applications of prestressed concrete	08.09.2015	Er. R. Paramaguru, Chief Engineer.	CIVIL
13	Association Inaugural Function	03.02.2015	Mr.K.Sundararaj	MECH
14	Guest lecture on Mathematics II for First year B.E. Students	11.04.2015	Dr. M. Chandrasekaran	S&H
15	Guest lecture on Advanced Numerical Methods for First year M.E. CAD/CAM Students	25.09.2014	Prof. U. Krishnamoorthy	S&H
16	Students' Development Program	10.01.2015 - 15.01.2015	Mr. Naveen Annamalai	S&H
AY: 2013 – 2014				
Sl. No	Name of the Programme	Date	Resource Person	Participation
1	Guest Lecture / Digital Signal Processing	27.09.2013	Mr.S.Sathishkumar, HOD/EEE, Surya Engineering College.	EEE

2	Seminar	07.09.2013	S. Nandha kumar	ECE
3	Workshop	13.01.2014	S. Rajesh Babu	ECE
4	Symposium	24.08.2013	B.S.Abdul Rahman, University Employment Director	CSE
5	Guest Lecture-Web Mining Applications	25.01.2014	Dr.N. Karthikeyan Ph.D, Prof/CSE, SNS College of Technology, Coimbatore	CSE
6	Guest Lecture-Cloud Computing	15.02.2014	Mr. Mohammed Saleem, CTS Chennai	CSE
7	Communication Development Program	08.09.2013- 13.09.2013	Mr. Srinivasan	S&H
8	Guest lecture on Applied Mathematics for Electronics Engineers for First year M.E. VLSI Design Students	30.09.2013	Prof. U. Krishnamoorthy	S&H
9	Association Inaugural Function	03.09.2013	Mr. R. Myilsamy	MECH
10	Association Valedictory Function	08.02.2014	Mr. I.K. Gomathi Sankar	MECH
AY: 2012 - 2013				
Sl.No	Name of the Programme	Date	Resource Person	Participation
1.	Guest Lecture / Microprocessors and Microcontroller	10.09.2012	Mr.S.Sridharan, Sr.Lecturer, Al-Ameen Polytechnic College.	EEE
2.	Guest Lecture / Control Systems	06.02.2013	Mr.S.Sathishkumar, HOD/EEE, Surya Engineering College.	EEE
3.	Guest Lecture	13.10.2012	S.Nandha Kumar	ECE
4.	Workshop-Ethical Hacking	25.01.2013- 03.02.2013	Dr.Paurl Gupta, Prof,IIT Karagpur	CSE

5.	Workshop-OOPS Basics	01.09.2012	Mr.Vasanth, Keen India Pvt Limited, Chennai	CSE
6.	Symposium	20.09.2012	Mr.K.Sai Krishnan, Director, Atlas Health Care, Coimbatore	CSE
7.	Innovative techniques in civil engineering	01.08.2011	Er.R.Devanandhan, Chief Engineer, New Premier Constructions	CIVIL
8.	Workshop	06.01.2011	Mr. Kumar	MECH
9.	Association Inaugural Function	27.07.2012	Er. S.K. Selvanayagam	MECH
10.	Industrial Robotics	28.09.2012	Mr. S. Natarajan	MECH
11.	Association Valedictory Function	27.02.2013	Er. R. Rangasamy	MECH
12.	Communication Development Program	19.10.2012	Mr. Srinivasan	S&H
13.	Guest lecture on Applied Probability and Statistics for First year M.E. CSE Students	13.10.2012	Prof. U. Krishnamoorthy	S&H

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, teacherqualification, salary etc.

Yes, all the programmes are self-financed. Admissions, curriculum and fee structure are followed as per the Anna University norms. Qualification and salary for faculty members are fixed as per the AICTE norms.

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.

The college regularly conducts Personality Development Programmes which enhance the IQ level and communication skills of the students. The college also invites Guest speakers from the industry which provides regional and global employment opportunities for the students. Special classes are taken for communication skills, taking into considerations the

rural backgrounds of the students. The coaching on Campus Recruitment Training for attending the interviews in industries is also imparted to students whenever need arises.



Communication Skills Class

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, the university does not allow the flexibility of combining conventional face to face and distance mode of education.

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?

The institution takes the following effort to supplement the university curriculum

- The students are encouraged to attend in-plant training during their semester vacation period.
- Industrial visits are arranged to the students to gain practical knowledge in the industry.

- Guest lectures are arranged for the students by inviting eminent persons from industries for updating the current technical knowhow in the Industries. This will ensure the fulfilment of our institutional goals and employability objectives.
- Additional laboratory experiments are conducted in all the laboratories apart from curriculum requirement.
- Academic Cell (AC) has been formed in the college to enhance the process of supplementing university curriculum and other academic processes. Its roles and responsibilities are
 - The AC consists of HOD, faculty, alumni, industry employer and other stake holders as members.
 - It meets once in a year for forming / reviewing / approving the Vision, Objectives, PEOs, POs of the department.
 - It also reviews the achievement and fulfilment of the above during the yearly meeting. It discusses the ways and means to improve and enhance the teaching learning process and other services.
- From the academic year 2015-16, Academic Cell is reconstituted as IQAC.
- The placement cell plays a lead role in underlining employable skills.
- Faculty members are motivated to update themselves. They are facilitated to undertake research work and publication activity.
- The institution arranges seminars, value added courses, workshops, awareness programmes, education fairs, career guidance programmes, symposium, training programmes, entrepreneur development cell programme

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?

- Faculty expertise is enriched and the syllabus content is supplemented with additional inputs towards improving the employment opportunities of students.

- The Placement Cell regularly interacts with reputed companies about their expectations and demands. Accordingly the students' skills are enriched through add-on courses and enrichment courses.



Enrichment Programme through Placement Cell

- To develop the required skills among students, brainstorm sessions are held through experts from research Institution and industries.
- Under the guidance of various committees, special training and orientations are conducted to enable the students to achieve global standards.
- The curriculum itself includes the professional courses like Total Quality Management, Principle of Management, Environmental Science, Engineering economics and financial accounting and Professional Ethics to reform the student into a better professional.
- The communication and presentation skills of students are improved through the language lab.

Entrepreneurship Development Cell (EDC)

- Entrepreneurship Development Cell (EDC) provides the basic information about the changing business scenario and encourages the students to be an entrepreneur.

- The cell conducts various programmes in collaboration with other entrepreneur network cells.
- The EDC organize special lectures by eminent personality from banks, industry and government authority to know the necessary steps required for starting their own business.
- It also organizes awareness camp and scientific eco-friendly programmes to avoid e-waste.



Entrepreneurship Development cell

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?

As an affiliated college of Anna University, Chennai, efforts are made by this institution to train the students focusing gender, climate change, environmental education, human rights, ICT through the following.

Gender

All students are treated equally by faculty members and staff irrespective of their gender and social status. Students hailing from different walks of life are given same treatment across the college and they are also taught to treat fellow students as brothers and sisters. Counseling is offered to the needy to maintain harmony among the students.

Women Development Cell is formed with a senior woman faculty as convenor. This committee provides an exclusive platform for women employees and girl students to share their grievances either in person or in writing.



Women Empowerment Programme

Climate Change and Environmental Education

In addition to teaching a course on 'Environmental Science and Engineering', designed by Anna University, Chennai the students are educated about the society and environment awareness and issues through the following actions

- **School cleaning activity:** Government Higher Secondary School, Modakurichi.
- **Soil samples:** Collected Soil samples and Farmers details in and around Nanjai Uthukkuli.
- **Training program:** Training has been imparted to school students on Computer Proficiency.

Green Computing:

"Green Computing" concept is adopted by way of using the option and power down the CPU and devices during extended periods of inactivity, using LCD monitors rather than CRT monitors and other power management features to turn off systems, printers and air conditioners when they are not used. Green Computing is used to reduce the use of hazardous

material, maximize energy efficiency during the products life time and promote the recyclability.

Green campus

- Measures are on to limit the use of disposable cups and plates inside college premises to make our environment neat and clean
- Faculty members and Students are advised to use printers and papers sparingly by avoiding unnecessary printouts to save huge amount of paper and in-turn trees.
- A section of AEC campus is powered by solar energy.

Awareness programs

- Awareness Programs are conducted in association with other organizations like Fire Service Department, TNEB etc., to educate the public on energy conservation, tree plantation, green energy and the like.
- Saplings are obtained from voluntary organization and more than 500 saplings have been planted in the campus by the students apart from donating them to public.
- Jointly with voluntary organizations, our students organize awareness programs in public interest for the benefit of the society. Helmet awareness program and Road Safety program are examples of such awareness campaigns.

Human Rights

- The Institution has a ragging-free environment.
- Professional Ethics & Environmental Science and Engineering are compulsory subjects to study in a four year programme.

Information and Communication Technology (ICT):

- ICT is infused into the system for the maximum benefit of students towards overall development.
- The staff in-charge of training and placement, form the e-mail groups to convey the placement details, placement requirements and commencement of trainings and interviews.

- Entire campus is connected effectively through LAN and round the clock Wi-Fi facility.
- Well-equipped NETLAB with internet facility is available for the students even after college working hours and on holidays and the students are utilizing it effectively.
- Digital Library is an exclusive section of Central Library which is equipped with sufficient number of PCs, facilitated with internet and open to all.
- Training on programming language like C, C++, Java, .NET etc., is imparted to the students by the special group of expert faculty members to brighten the placement opportunities.



Training on programme Language

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**

Apart from the curriculum, some value added courses are organized to enrich the moral, ethical values, employable, life skills and better career options.

Moral and Ethical Values

- The curriculum itself offers professional ethics which prepare the students to practice proper ethical, moral and professional standards.

Employable and life skills

- The Institution enhances the student employability through various training programmes like verbal, non-verbal, reasoning and aptitude.
- The Institution conducts seminars, workshops and conferences related to recent industrial trends to fill the gap between curriculum and requirements of the industry.

Better Career Options

- Communication skills play a key role in competitive employment world. Conveying better understanding of subjects is possible only through good communication skills to the audience and represent excellent presentation.
- The personality development programme (PDP) enables the students to interact within the students and deliver their views effectively.
- PDP offers various programmes concerned with improvement of basic amenities/requirements of the students within the campus.

Community Orientation

- NSS and RRC conducts enormous service related activities like blood donation, Eye check up camps and pollution free environment programmes.
- The Entrepreneurship Development Cell (EDC) provides the following activities with informative events, like lectures and talks on entrepreneurship, start-up to idea workshop business modelling workshop and business quiz.
- MOU's with rural schools.
- Extension and consultancy programmes to benefit rural community

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

Feedback obtained from students, alumni, industrial experts, parents of the students studied in the college are integrated and represented to the various boards of Anna University by faculty of the college. This helps in enriching the curriculum to a significant extent.

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

The institution continuously monitors and evaluates the quality of the students by conducting examinations, collecting feedback from the students, analyzing students results and reviewing students feedback, conducting ISO and Academic internal audits through IQAC and review meetings through Academic Cell.

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?**

As the Institution is affiliated to Anna university Chennai, the latter design curriculum and syllabi. The Institute regularly contributes to the design and development of the university curriculum in the following ways:

- Faculty members are deputed to attend the workshops and faculty development programmes conducted by the university relevant to design and development of the curriculum.
- The institution has its value based mechanism to obtain feedback on curriculum from the alumni, employers and parents.
- The institution has an Academic Committee which looks after the affairs of the feedback process and analysis of the implementation of curriculum.
- The Vice Chancellor of the University convenes meeting with Principals of all the affiliated institutions and obtains their opinion on matters of importance.

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 obtains feedback from the students (through teacher evaluation by students and programme-exit questionnaire), alumni, parents, employers/industries and experts from academia and other stakeholders.

- The feedback from all stakeholders is reviewed by the members of Academic Cell in order to send the suggestion to the board of studies.
- Faculty Development Programme helps the faculty to find gap between the curriculum and suggest measures to the Academic Affairs Committee for enrichment of curriculum.
- The management helps in collecting the feedback from teaching and learning community through Academic Cell. The management rectifies the drawbacks from the administration side by providing better facilities.
- Parents regularly review their wards' improvement in studies and personality providing feedback to the counselor during parents – teachers meeting.



Parent-Teacher Meeting :: One-to-One Interaction

- Alumni act as mentor, role model and develop lifelong relationship.
- The Alumni extend their view and idea towards fulfilling the requirement of the industry.

- The industry provides feedback about the needed software and knowledge for easy learning of real time problems and to solve them efficiently.

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 institution strongly believes in reinventing itself based on the needs of society without compromising on the basic vision and mission of the college. In this context, the college has introduced the following UG & PG courses in the past four years and also has increased the student intake in some of the undergraduate courses for which there is a pressing demand.

Academic Year	Programme Introduced	Sanctioned intake
2014-2015	---	---
2013-2014	M.E. VLSI Design	24
	M.E. CAD/CAM	24
2012-2013	M.E. Computer Science and Engineering	24
2011-2012	---	---

Any other relevant information regarding curricular aspects which the college would like to include.

The college has IQAC conducting Internal Audits, to constantly monitor the curricular aspects of various programmes. Many of the above mentioned cells are represented by various stakeholders like Students, Faculty, Alumni, Employers, Parents and Management. Periodic reviews are collected from the above cells and suggestions / comments are taken into consideration for the curriculum planning, curriculum implementation, academic flexibility, curriculum enrichment in order to achieve the Department / Institution vision and mission.

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

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

Being a self-financed Engineering College, affiliated to Anna University, Chennai, TNEA (Tamil Nadu Engineering Admission) process is being followed. As per guidelines of Government of Tamil Nadu, admission is made without Common Entrance Test. Admission is purely based on merit cum reservation basis. TNEA allows 65% of seats through Government Quota and remaining 35% of seats through self-financed consortium (Management). Admission notification is hosted on University Website.

Admission notification is published in all leading national and regional daily newspapers in English and Tamil languages. The notification contains detailed information about number and range of courses, eligibility criteria, and process of admission as well as academic support facilities.

In addition the college ensures publicity through the following process.

- Prospectus
- Institutional website
- Advertisement in Newspaper (Both Tamil and English), FM Radio, TV channels
- Participation in educational fairs in various places

The notification advertisement contains detailed information about the UG and PG courses, eligibility criteria, process of admission and the facilities provided by the college management. The academic, administrative and financial aspects related to the admission are stated clearly in the prospectus and the notification advertisement. The same information is also available in the college website www.alameen.ac.in. The admission process sticks to the norms given by the Tamil Nadu government order.

Transparency

University follows schedule of events, giving last date for receipt of application and publication of random number. The last date is fixed for admission based on availability of seats, preparation of merit rank (Cut-Off)-cum-reservation list and its notification. The list of

selected cut-off marks are announced on the leading News papers as well as on the website of University, indicating the percent of marks and reservation category.

The admission process to various undergraduate and postgraduate programmes is being carried by the College as per the guidelines of the Government of Tamil Nadu and the Anna University, Chennai. The University follows admission based on single window counselling as per schedule. Thus transparency is ensured from the stage of notification till the completion of admission process.



200 out-of 200 Programme organised for the Higher Secondary students



Participation of School Students during 200 – 200 Programme

2.1.2 Explain in detail the criteria adopted and process of admission (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 programme of the Institution.

As per the guidelines of the Government of Tamil Nadu, Anna University, Chennai processes the admission of all the Government, Government Aided and Self-financing Engineering Colleges admission by merit-cum-reservation basis. As per guidelines of Government of Tamil Nadu, admission is made without Common Entrance Test. Admission is purely based on the marks obtained by the students in their qualifying examinations and the minimum marks for the qualifying examination are as given below.

For First Year B.E., Programmes

Communities	OC	BC, BC (Christians), BC (Muslims)	MBC / DNC	SC / ST
H.Sc. (Academic) and other equivalent candidates				
Minimum Average percentage in Physics, Chemistry & Mathematics put together	50%	45%	40%	40%
H.Sc. (Vocational) Candidates				
Minimum Average percentage in related subjects (Physics, Chemistry & Mathematics) vocational theory and practical put together	50%	45%	40%	40%

For Lateral Entry B.E., Programmes

A pass with minimum eligible marks in the Diploma Course of the State Board of Technical Education and Training, Tamilnadu / equivalent course prescribed for the degree course.

Minimum Average percentage in Pre-final and final semester	OC	BC, BC (Christians), BC (Muslims)	MBC / DNC	SC / ST
	50%	45%	40%	40%

For M.E., Programmes

A pass in a recognized Bachelor's Degree or equivalent in the relevant field

Minimum Average percentage in the qualifying degree examinations	OC	BC, BC (Christians), BC (Muslims)	MBC / DNC	SC / ST
	50%	50%	50%	45%

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/district.

The college offers four years Under Graduate courses in various departments namely (1) Computer Science and Engineering (2) Electronics and communication Engineering, (3) Electronics and Electrical Engineering (4) Mechanical Engineering (5) Civil Engineering.

Admission to particular departments is made after the counseling and preparation the merit list only. Students seeking admission through management must also have to satisfy the requirements and should have good percentage in their academics. The admission procedure is done strictly according to the conditions laid by the Anna University and AICTE. The same procedure is followed in the case of Post Graduation M.E., Departments.

Admission 2016-2017

S. No.	Program	Cut off Mark (Out of 100)	
		Max	Min
1	Computer Science and Engineering	82.17	41.17
2	Electronics and Communication Engineering	88.5	49.83
3	Electrical and Electronics Engineering	86.83	45.00
4	Mechanical Engineering	88.33	41.00
5	Civil Engineering	82.75	50.17

Admission 2015-2016

S. No.	Program	Cut off Mark (Out of 100)	
		Max	Min
1	Computer Science and Engineering	84.5	43
2	Electronics and Communication Engineering	91.17	82.83
3	Electrical and Electronics Engineering	94.5	47.67
4	Mechanical Engineering	91.83	45.17
5	Civil Engineering	87.5	48.50

Admission 2014-2015

S. No.	Program	Cut off Mark (Out of 100)	
		Max	Min
1	Computer Science and Engineering	91.00	45.17
2	Electronics and Communication Engineering	96.50	46.00
3	Electrical and Electronics Engineering	86.00	45.17
4	Mechanical Engineering	86.67	40.67
5	Civil Engineering	95.57	64.33

Admission 2013-2014

S. No.	Program	Cut off Mark (Out of 100)	
		Max	Min
1	Computer Science and Engineering	94.00	46.33
2	Electronics and Communication Engineering	92.33	46.33
3	Electrical and Electronics Engineering	78.00	45.00
4	Mechanical Engineering	88.17	47.33
5	Civil Engineering	88.83	45.17

Admission 2012-2013

S. No.	Program	Cut off Mark (Out of 100)	
		Max	Min
1	Computer Science and Engineering	85.67	45.17
2	Electronics and Communication Engineering	87.33	48.50
3	Electrical and Electronics Engineering	89.67	50.50
4	Mechanical Engineering	86.88	42.00
5	Civil Engineering	92.33	61.00

Admission 2011-2012

S. No.	Program	Cut off Mark (Out of 100)	
		Max	Min
1	Computer Science and Engineering	78.83	48.50
2	Electronics and Communication Engineering	87.00	41.33
3	Electrical and Electronics Engineering	76.50	40.83
4	Mechanical Engineering	92.50	43.50
5	Civil Engineering	90.38	42.17

Admission 2010-2011

S. No.	Program	Cut off Mark (Out of 100)	
		Max	Min
1	Computer Science and Engineering	85.83	43.33
2	Electronics and Communication Engineering	86.00	40.67
3	Electrical and Electronics Engineering	94.67	45.33
4	Mechanical Engineering	89.00	44.67
5	Civil Engineering	67.33	48.00

Admission 2009-2010

S. No.	Program	Cut off Mark (Out of 100)	
		Max	Min
1	Computer Science and Engineering	89.50	45.00
2	Electronics and Communication Engineering	82.17	50.67
3	Electrical and Electronics Engineering	85.50	51.50
4	Mechanical Engineering	85.38	51.83

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 admission committee reviews the admission process and student profiles annually. Our college admission committee members are given below.

S.No.	Name of the Committee Members	Designation & Department
1.	Dr. A.M.J. Md. Zubair Rahman	Professor & Principal
2.	Mr. A. Mohamed Safiyullah	Administrative Officer
3.	Dr. M. Mohamed Musthafa	Prof. & HOD / CSE & Vice-Principal
4.	Prof. G. Thangavel	Prof. & HOD / MECH
5.	Dr. S. Kumar	Prof. & HOD /ECE
6.	Prof. V. Veeraramkumar	Prof. & HOD /Civil
7.	Prof. N. Rameshkumar	Prof. & HOD /EEE
8.	Dr. G. Balaji	Prof. & HOD /S&H
9.	Prof. A. Sathik Basha	AP/EEE & Admission Cell Coordinator

Review of admission process

- The college Secretary and Correspondent conducts annual meeting with admission committee after the admission is over every year and analyze the admission status.
- The review of admission is being analyzed based on the number of students admitted with the following factors.
 - ❖ Applications received.
 - ❖ Students Counseled in the Admission Cell
 - ❖ Maximum and minimum cutoff marks
 - ❖ School-wise
 - ❖ Locality-wise
 - ❖ Students from other states
 - ❖ Students participated/benefitted in various programmes conducted by the Institution
- The institution has well planned, well defined and well designed mechanisms as far as reviewing the profiles and merits of the students.
- We are maintaining student profile in PALPAP software, it will be helpful for alumni association to know the placement of the students and through this we can increase the admission of forthcoming year.

Outcome:

- The departments with less demand intensified their publicity mechanisms, by conducting exhibitions and workshops for school students to increase the student enrollment.
- The review of the student profiles annually makes the parents repose faith in the college.
- The periodic review of the student profile helps the college in alerting the parents and instituting measures for betterment assured of their children's progress.

- As the result of these activities the college has noticed a continuous growth of students in both academics and discipline.
- The review process also helps the college to produce the university rank holders in various departments.
- The students have learnt to energize their positive attitude to increase their potential into many constructive activities and got placed into renowned industry.

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.

SC/ST/OBC:

As per government policies scholarship for SC/ST/OBC will be provided by the government. The institution follows reservation policy of the state government. Tuition fees reimbursement, fees exemption, and endowment benefits are also extended to these students in our institution as per the state government rules. In addition to these facilities, the college management provides concession in providing text books, note books, college bus fees / hostel fees for these students.

Women:

Women candidates are doing fairly well in their qualifying examination. The women candidates are provided with equal opportunity. The institutions continuously bestow their efforts to create awareness on the importance of higher studies. Separate hostel and mess facilities are available for the women category.

Differently-abled:

Ramps are provided to assist the physically challenged students.

Economically weaker sections:

To encourage the students, Al-Ameen Educational and Charitable Trust Scholarship is awarded on merit basis to economically weaker sections. College arranges for various scholarship schemes to reach the students. To encourage the best students who are economically weak, our Faculty members are contributing some part of semester fees, books for those students.

Minority Community:

50% of students strength are from minority community. We persuade them to apply for minority scholarships which helps them lot as a financial support.

Outstanding achievers in sports and extracurricular activities:

The outstanding achievers showcase their talents by participating in sports and other extracurricular activities.

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

Academic Year: 2016-2017

S. No.	Programmes	Number of applications	Number of students admitted	Demand Ratio
UG				
1	B.E., Computer Science and Engineering	60	33	55%
2	B.E., Electronics and Communication Engineering	60	31	52%
3	B.E., Electrical and Electronics Engineering	60	24	40%
4	B.E., Mechanical Engineering	120	93	78%
5	B.E., Civil Engineering	60	30	50%

PG				
1	M.E., Computer Science and Engineering	24	5	21%
2	M.E., VLSI Design	24	4	17%

Academic Year: 2015-2016

S. No.	Programmes	Number of applications	Number of students admitted	Demand Ratio
UG				
1	B.E., Computer Science and Engineering	60	33	55%
2	B.E., Electronics and Communication Engineering	60	22	37%
3	B.E., Electrical and Electronics Engineering	60	28	47%
4	B.E., Mechanical Engineering	120	116	97%
5	B.E., Civil Engineering	60	47	78%
PG				
1	M.E., Computer Science and Engineering	24	3	13%
2	M.E., VLSI Design	24	1	4%
3	M.E., CAD / CAM	24	2	8%

Academic Year: 2014-2015

S. No.	Programmes	Number of applications	Number of students admitted	Demand Ratio
UG				
1	B.E., Computer Science and Engineering	60	35	58%
2	B.E., Electronics and Communication Engineering	60	46	77%

3	B.E., Electrical and Electronics Engineering	60	40	67%
4	B.E., Mechanical Engineering	120	101	84%
5	B.E., Civil Engineering	60	49	82%
PG				
1	M.E., Computer Science and Engineering	24	12	50%
2	M.E., VLSI Design	24	8	33%
3	M.E., CAD / CAM	24	7	29%

Academic Year: 2013-2014

S. No.	Programmes	Number of applications	Number of students admitted	Demand Ratio
UG				
1	B.E., Computer Science and Engineering	60	26	43%
2	B.E., Electronics and Communication Engineering	60	41	68%
3	B.E., Electrical and Electronics Engineering	60	32	53%
4	B.E., Mechanical Engineering	120	89	74%
5	B.E., Civil Engineering	60	34	57%
PG				
1	M.E., Computer Science and Engineering	24	20	83%
2	M.E., VLSI Design	24	15	63%
3	M.E., CAD / CAM	24	18	75%

Academic Year: 2012-2013

S. No.	Programmes	Number of applications	Number of students admitted	Demand Ratio
UG				
1	B.E., Computer Science and Engineering	60	34	57%
2	B.E., Electronics and Communication Engineering	60	32	53%
3	B.E., Electrical and Electronics Engineering	60	31	52%
4	B.E., Mechanical Engineering	120	104	87%
5	B.E., Civil Engineering	60	52	87%
PG				
1	M.E., Computer Science and Engineering	24	24	100%

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 this regard?**

- The institution completely abides the government policies, rules and regulations regarding the needs of differently-abled students.
- The seats are reserved and offered according to the government policies at the time of admission in various programmes and courses.
- If a student undergoes a critical surgery, even in the middle of the semester the class room of that student is shifted to the ground floor.
- During the university exams also these students are taken care by providing a convenient exam hall as per the University policy.
- Special classes, Counseling Sessions are arranged to these students as a part of academic support.
- Institute provides a separate Mentor for addressing the needs of differently-abled students.

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

Yes, there is a provision for assessing students knowledge and skills before the commencement of the programme.

- The institution conducts bridge course on English communication, Mathematics, Physics, Chemistry and Computer science to the first year students to enrich their knowledge in the specific engineering stream. Also, bridge course on Mathematics & English is conducted for later entry students.
- At the end of the bridge course, the Institution conducts tests to evaluate the knowledge & skills of the student in related areas.
- Based on the results, subject faculty plans the teaching process.
- Also faculty offers special preparatory programs as per the requirements of the students.
- The slow learners are traced out by the faculty team and they are given extra-remedial classes in order to cope with their fellow students.
- These students are counselled by the senior faculty team and get the feedback of their studies and personal issues so that, they can perform their studies in a particular defined way.

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).

- Most of the students getting admitted to the institution come from various disciplines like Tamil medium and students from other states also have major deficiency in medium of learning which is English. Therefore learning of English is mandatory and it is incorporated as a regular subject by the University in First year.
- A sophisticated English communication lab with interactive English learning software is installed.
- The lab is multimedia enabled and plays major role in upgrading English competency of our students.

- The Diploma holders who join through lateral entry scheme have lack of fundamentals in Engineering Mathematics, which in turn affects their performance in analytical subjects. Hence remedial bridge classes in Engineering Mathematics are organized to upgrade their mathematical skills.
- The institution also conducts remedial classes for all groups of students to increase their skills and competence. Some tests are also conducted by the department faculty members to test their knowledge received during classes. Class advisor and mentors are appointed for every class in order to identify the slow learners to help him/her with counseling and intensive coaching.
- A great deal of attention is being paid to create motivation by way of conducting enrichment courses like personality development programmes, workshops, conferences and symposium.

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

- Male & female staff members in our institution are treated in an equal manner and at far.
- The staff members and students are treated equally in-spite of religious aspects.
- Women Development cell is activated and it functions separately for the benefit of the Women employees and girl students.



Dr.Jahitha Begum,Prof& Head Department of Education Gandhi Gram Rural University, Dindigul,Addressing during Women's Day Celebration

- A separate rest room is available for lady staff and girl students. They can make use of it in addition to common room.
- The institution never discriminates on gender and religious issues.
- All kinds of academic help are provided for the benefit of the economically and socially weaker section students.
- Our college is located 10 KM away from the town. So it is pollution-free. Lot of trees is planted in and around the college campus.



**Tree Plantation by Mr.R.Karthikeyan, Manager, Real Estate and Labour Law,
Lenovo India Pvt. Ltd, Bangalore**

- Blood donation camp is organized by NSS frequently. The students come forward and donate blood for the benefit of the public.
- Eye checkup camp for the staff members, students and parent are conducted by NSS &YRC.



Eye checkup camp conducted by NSS &RRC

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

The Faculty members of all the departments who handle regular classes identify the requirements of the advanced topics and give lectures on the topics in the regular class itself. The students of various departments are encouraged to take part in symposiums, workshops and seminars to gain knowledge in the advanced topics. The students are encouraged to do projects and mini projects in the advanced topics under the guidance of the faculty members. Resource persons from industries and academic institutions are invited to give guest lecture on advanced topics for the benefit of the students. The students are encouraged to participate in conferences to enrich their knowledge in advanced topics. The college library provides lot of journals, books, e-Books and e-journals, through which the students can gain knowledge on the advanced topics. The faculty members teach content beyond the syllabus, to enrich the knowledge of the students in the advanced topics. Additional experiments are also conducted after the completion of the regular lab classes.



Final year EEE student presenting a Mini project

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

Three Internal Assessment Examinations are conducted in each semester. After the completion of each exam, the subject handling Faculty members will report to the HOD of students forwarded by the HOD of Faculty with a complete analysis in a prescribed format. Remarks and suggestions to improve the result of the subject can be mentioned by the Faculty and HOD of Faculty for the future improvements. The class advisor will prepare the consolidated marks statement of their class with complete analysis in a prescribed format. The class advisor will report the statement to HOD, IQAC coordinator and Principal. Each mentor will look at the marks of their students and necessary counseling will be given to the average and below average performers. Mean while the mark statement will be sent to the parents and also informed to the parents by the mentors. By the due course, IQAC coordinator will convey a meeting with all HODs discussing the possible remedies that can be taken to improve the students performance and finalize the schedule for remedial classes and Retest, which will be conducted after college hours.

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 blue print, etc.)

Academic Calendar

Al-Ameen Engineering College precisely frames the Academic calendar every semester based on the Academic Calendar of Anna University. The IQAC Coordinator of the Institution prepares the semester Academic calendar by consulting with Principal, Administrative officer and all HODs. The academic calendar consists of entire academic plan such as the dates for the commencements of classes, Internal assessment examinations schedule, Last working day, tentative dates for the commencement of university practical, theory examinations and list of national and local holidays. After getting the approved academic calendar from the IQAC, HODs will prepare detailed academic calendar mentioning the completion of units, Department association activities, Result review for every internal exams, Class committee meetings, Hostel committee meetings, Club activities, Value added courses schedule, Parents meeting, etc.

Timetable

Department timetable coordinator prepare the Timetable for all the classes and displayed in the respective class notice boards after getting approval from HOD, IQAC coordinator and Principal. Time table is of various types.

- Class Timetable
- Individual Faculty timetable
- Lab utilization time table
- Consolidated Class Timetable
- Consolidated Faculty timetable.

Lecture plan

After getting approved copy of academic calendar and the time table, subject handling faculty members will plan their subject topics in a prescribed format Lecture plan::unit wise and Lecture plan :: Theory Consolidated and practical. They will get approval from the HOD of Faculty and HOD of students initially. During academic sessions, if any deviations found in their plan, they will take corrective measures.

Internal Assessment Examinations

Internal assessment examinations will be scheduled department wise. Faculty members will submit the question papers along with the scheme of evaluation to the department test coordinator after getting approval from the HOD. Coaching classes are conducted during exams to improve the student's performance. Three internal assessment examinations are being conducted before the commencement of University examinations every semester.

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

As our institution is an ISO 9001:2008 certified institution, we have a strong system which takes care of the planned activities for enhancing quality in every aspects. We have an IQAC consisting of senior faculty from each department to assess the needs of the faculty as well as students for improving competencies among the faculty and for developing skills among students and accordingly advise the departments to conduct various programs. It also

takes up the responsibility of collecting feedback of each program conducted for its usefulness to the concerned participants and feedback from the representatives of the industries about the additional requirements(if any) in which the students are to be equipped is also obtained. The suggestions given by this committee are implemented in all seriousness which has resulted in the improvement in 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?

- Regular feedbacks and Class committee meetings help us to analyze the students requirements on each and every subjects. Faculty members will be intimated on the requirements of the students on their subjects which made the learning process more student centric.
- Tutorial periods for problematic subjects are conducted to enhance the individual student knowledge and to solve the problems and attain the solutions successfully.
- The college provides a well-stocked library which stocks latest books, journals and e – books (Digital Library), which the faculties use efficiently to provide comprehensive and latest information to the students. Students are also encouraged to use the library independently to enhance their knowledge.
- Departmental seminars and industrial visits are organized to expose latest trend in learning for learners.
- Training and Placement Cell of the institute conducts personality development classes for the students within academic schedule.
- Students can use internet facilities in the campus during and after college hours for their skill development.

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?

- Students publish their scientific papers and articles in the department association events and Institute organizes events such as Technical Paper presentation, Student Symposium, Seminar, Project Exhibitions, Software development competitions, Problem solving competitions to develop and promote creativity and critical thinking among the students.
- Institute also encourages and guides the students to participate in the National Level Technical Competitions organized by other Institutes and Universities.
- Institute insists and encourages students to bring out Technical Articles / Papers at the end of final year project so that they are exposed to Technical Paper writing skills, blind reviews, plagiarism and research ethics.
- Students publish their scientific articles in the competitions/symposia conducted by other colleges.
- Students are involved in organizing National / International Conferences, Workshops, Seminars and Symposiums so that they get awareness about the importance of such activities in the college
- Students are encouraged to join in professional societies like ISTE, CSI, etc
- Institute invites entrepreneurs and industry resource persons to share their success stories with our students through Entrepreneur & Development cell
- In view of the worldwide shortage of jobs leading to unemployment problems and lack of proper utilization of human resources, the cell strives to identify talented youth and makes them involve with entrepreneurial work.



Guest Lecture on PIC16F877 for Final year ECE students**Seminar on Digital signal processing by M.Poonguzhali, Prof. & Head, Narasus's Sarathy college of Engineering, Salem**

- With an aim to stimulate lateral thinking, the students are equipped with the lectures on recent trends beyond the syllabus. The Institution arranges to take students to visit many industries and plants so as to visualize the concepts which are taught in the classroom. The table explains a number of industries visited by the students of the departments for the past three years.

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.

- The use of modern multi-media teaching aids like OHP, LCD projectors, Internet enabled computer systems are usually employed in classroom instructions as well as other student learning activities.
- The students are also encouraged to use computer software packages for meaningful analysis of the experimental data collected/acquired by them.

- The digital library in the institution helps the students to understand the subject more effectively.
- High speed Internet connectivity across the campus enables access of open e-resources, free journals, e-books etc., to the students and staff.
- Hosting of Technical seminars from Industrial persons on recent technologies enable the students to learn more about the latest technology with interactive session by the industrial experts.
- Each department is provided with the e-learning resources from NPTEL videos to make the students aware of the ways and means, through which the faculty members can explain the concepts effectively.

The software details are furnished in below table.

Details of Licensed Software packages

S.No	Department	Licensed Software Packages available
1	CIVIL	StaddPro
		Auto CAD 7
		Turbo C
2	CSE	Windows Xp Professional
		Ubuntu 10.1.4
		Fedora 13.0
		Windows Server 2008
		Microsoft Office 2003
		Visual Studio 2008
		Oracle 11g
		Codegear RAD Studio c++ builder 2009
		Rational Rose 2010
		Turbo C
		Java 7.0
		Python
		Perl
		Netbeans 7.0
		JDK 1.5

		VC++
		Office – 2010
		Apache Tomcat 7.0
		Apache Webserver
		Xml Editor
		MySql
		DB2
		PHP
		VJC++
		Wamp Server
		Opnet
		Glomosin
3	EEE	MATLAB
		Turbo C
		Java 7.0
		MATHCAD
		MIPOWER
4	ECE	Networks Simulator
		Spice Simulation
		Xilinx
		Mentor Graphics
		MATLAB
		Turbo C
		Java 7.0
5	MECH	Auto CAD 7
		Ansys 14.5
		Edge CAM
		MATLAB
		Turbo C
		Think3 Design CAD Software
		Java 7.0

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

- The institution organizes workshops and seminars by eminent professionals in their respective areas in which the student community and faculty community actively participate. The faculty members are advised to attend the FDP programmes which are conducted by the affiliating University. The educational and industrial tours are also conducted by the college management. The faculty members have been participating in the national and international conferences and have presented many papers in past and recent years.
- Institute organizes expert lectures, seminars, conferences, workshops at regular intervals to expose students and faculty to advanced levels of knowledge and technology.
- Institute deputed faculty for continuous learning programs, academic enhancement programs, Conferences and Workshops by providing on-duty and financial support.
- In plant training and industry visits are regularly arranged.
- Conduct several enrichment courses for student
- Many opportunities are being given to students to exhibit and improve their sports, social responsible and managerial skills in the name of the following clubs/association:
 - ❖ Fun Club
 - ❖ Aptitude Club
 - ❖ Motivation Club
 - ❖ Debate Club
 - ❖ Science Club
 - ❖ Group Discussion club
 - ❖ National Service scheme
 - ❖ Red Ribbon Club
 - ❖ Readers Club
 - ❖ Youth Red Cross
 - ❖ Math's Club

- ❖ Movement for Green revolution
- ❖ Women Development Cell

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 advise) provided to students?

- Academic and personal counseling is provided by mentor scheme where 15 students are assigned to each faculty member. Each class will be given mentor for academic and personal guidance. This type of activity is being done by all the departments with respect to the guidance given by their head of department. The duties of mentor is to carefully monitor the student activities like regularity of attendance, participation in seminars and the performance of the students in internal and external tests and semester examinations. The students are advised with some sort of remedial classes which help to improve their caliber. The mentors act as a true friend, philosopher and guide for the students during this activity. Almost 50% of the students with lower academic base, in each class get benefit from this process.
- The training & placement cell imparts and facilities soft skill / aptitude training and also counseling with respect to the placement opportunities for eligible students.
- The institution organizes regularly motivational programmes in order to step up learning techniques and personality building.
- Through National Students Scheme (NSS) a large number of students are trained and guided, with respect to social ethics, societal responsibilities, respect towards Women and elders and also overall personality moulding. This happens through organizing classes, counselling sessions from professional counsellors on psycho-social matters.

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?

The college also supports the faculty community to adopt new ways, approaches and methods such as organizing conferences and seminars etc., the faculty members are encouraged to attend the national and international conferences. The faculty members who attend these conferences and seminars can share their experiences with the students, faculty which will give the latest information and technology developments.

- Faculty makes use of Laptop, Internet (Wi-Fi), digital library and online journals to download lectures, study materials & data from internet.
- Faculty makes use of models, graphs, PowerPoint presentation through LCD projector and Over Head Projector (OHP) to present the content in the syllabus.
- For conceptual understanding of the subject, special projects are given to students.
- Faculty makes use of special laboratory set ups for clear understanding the principles of the subjects.
- Quiz
- Lecture notes published in a college website
- Institute deputed the faculty for teaching learning programs.

S.No.	Department	Innovative teaching methods/approaches handled
1	CIVIL	<ul style="list-style-type: none"> • Webcasts • Online videos • NPTEL • Models • Practical descriptions, etc.,
2	CSE	<ul style="list-style-type: none"> • Tutorials • Online tests • Video lectures • Assignments
3	ECE	<ul style="list-style-type: none"> • Chart • Animations • Mind-mapping • Role play • Quiz • Brainstorming
4	EEE	<ul style="list-style-type: none"> • Webcasts • NPTEL • Models • Practical descriptions

5	MECH	<ul style="list-style-type: none"> • Webcasts • NPTEL • Models • Practical descriptions • LCD and OHP
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2.3.9 How are library resources used to augment the teaching-learning process?

The institution is having well equipped central library. This library helps the students with latest information of books and services which are offered by them. The list of new entries, useful articles, and news are provided by the library as of their interest. The catalogues from different publishers are available in the library. The Head of the department can order for books from these catalogues. Majority of the faculty members use the internet and they liberally share their knowledge of innovative research topics, reviews, methodology, data gathering and information output with the learners. The students are continuously encouraged by the faculty members to use the library services.

- It is a User friendly library which has well equipped with a good collection of 14,341 Volumes, 2893 Titles and 41 Indian Periodicals and 44 International Periodicals, 1386 DELNET online journals. Open Access System is adopted to enable the users to avail the maximum utilization of the library.
- The library has a collection of more than 641 CDs under various titles. Plenty of books for the preparation of competitive exams like GATE, TOEFL, GRE, GMAT, Defense Service and Civil Service are available in both reference and issue sections.
- College library is equipped with latest editions of university prescribed textbooks and reference books.
- A well stacked reference section also plays a very important role in enriching the teaching material of the faculty. Adequate care is taken to stack valuable books in the reference section so that it is easily available to both students and faculty.
- Each and every faculty in the Institute is motivated to make use of all these resources in the day-to-day teaching learning process.

- Library Staff attend training and short term programmes in order that they are equipped with the latest methods of cataloguing and classification of library resources to ensure easy accessibility for both students and faculty.
- In addition to the above, each department has its own departmental library which stacks commonly used text books to cater to the Anna University curriculum.

Details of Books and Periodicals available in Central Library

S.No	Department	Number of Books		National		International Journals
		Titles	Volumes	Journals	Magazines	
1	Civil	352	1145	06	-	-
2	CSE	323	1989	11	-	-
3	EEE	414	2018	06	-	-
4	ECE	346	1981	06	-	-
5	MECH	747	3988	12	-	-
6	S&H	214	1076	05	-	-
7	ME-CSE	127	511	05	-	-
8	ME-VLSI Design	104	414	05	-	-
9	ME-CAD/CAM	103	412	-	-	-
10	GENERAL	164	198	-	-	-

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.

There is no such situation till now. The faculty members manage to complete their responsibilities in successful stipulated time. The college will conduct extra classes when institution faces challenges in completing the curriculum.

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

Regular Class committee meetings are conducted during the semester wherein students share independent views about the subject and subject faculty on aspects such as pace of the coverage, ability to clear doubts, understanding the concepts of the subjects solving of problems, punctuality to class and engagement of class for the stipulated duration. The committee has a wide representation amongst student community right from the topper to slow learner students. Head of the Department or a Senior Faculty chairs these class committee meetings where in independent unbiased review of the class room deliberation is conducted. This is valuable forum which helps the authorities in monitoring and evaluating the quality of teaching and learning in the class rooms. Feedback about faculty is collected in a standard format at the end of every semester which helps in assimilating overall performance of the faculty during that semester. Internal Assessment Tests and University Result analysis at the end of the semester also helps in providing guidance to the faculty in improving the interaction with the students.

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 and competent teachers) to meet the changing requirements of the Curriculum

The college recruits the teachers who are well-experienced and experts in their respective field of study. The college is always ready to recruit the best faculty available. The college finds new faculty members through the reference from other teachers and experts in the area. The college also advertises in the newspapers in order to reach the best faculty. The interviews are conducted by the panel of experts. The expert committee will recruit the faculty according to the affiliating university norms and rules.

- Staff requirement by each department is collected well in advance by the office of the Principal and appropriate sanctions of the Management are obtained for creation of any new post.
- A transparent recruitment policy is adopted while interviewing and recruitment of faculty. Each recruitment team comprises of the Head of the Institution, Head of the

Department, the external subject expert / university nominee and senior faculty from the department.

- Institute extends AICTE pay scales to its entire faculty along with statutory allowances.
- Institute has adopted standard policies / norms for increments and promotions.
- Maternity Leave is sanctioned to the faculty as per Institution norms.

Academic Year	Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
		M	F	M	F	M	F	
2016-2017	Ph.D.	5	2	1	0	0	1	9
	M. Phil.	0	0	4	4	8	3	19
	PG	4	0	19	4	50	3	80
2015-2016	Ph.D.	8	1	0	0	0	1	10
	M. Phil.	0	0	3	6	9	3	21
	PG	5	0	16	3	53	5	82
2014-2015	Ph.D.	3	1	2	0	0	0	6
	M. Phil.	0	0	1	2	12	7	22
	PG	5	0	9	1	58	9	82
2013-2014	Ph.D.	3	0	2	0	0	0	5
	M. Phil.	0	0	2	2	11	8	23
	PG	5	0	8	1	56	9	79

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.

To attract the new qualified faculty and retain the existing ones the institution provides requisite facilities like transport for teachers coming from a distance, research facilities like library, internet, etc. To encourage staff to participate in workshops and seminars, the faculty is considered as on duty and with financial support to upgrade their knowledge by participating in national and international seminars, conference and workshop. During the last

three years many of our teachers have participated in number of international and national level conferences and workshops.

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.

Nomination to staff development programmes

Academic Staff Development Programmes	Number of faculty nominated			
	2015-2016	2014-2015	2013-2014	2012-2013
Refresher courses	2	2	2	2
HRD programmes	1	1	1	1
Orientation programmes	1	1	1	1
Staff training conducted by the university	1	1	1	1
Staff training conducted by other institutions	10	28	22	1
Summer / winter schools, workshops, etc	6	10	19	1

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

Teaching learning methods/approaches

The college organizes programmes to encourage teachers to prepare computer aided teaching / learning materials. The college also supports by providing infrastructural support. The Heads of the department of the College regularly organizes training programs for faculty members to make them aware of the latest developments in the technology, there by empowering the teachers to improve their teaching methods.

Handling new curriculum

The College has experienced and qualified faculty to handle the new curriculum effectively. HOD calls for the meetings with the faculty members to brief & explain the new syllabus & devise methods to empower the teachers to handle the new syllabus and faculty members are asked to attend the FDP programs.

Content/knowledge management

In the area of Content / Knowledge management system our faculty members are deputed for National & International seminars / Field visits and also Train the Trainer programmes which help largely to update their knowledge & skills.

Selection, development and use of enrichment materials

The college organizes seminars, workshops, disseminating workshops, to enrich all practices and aspects of teaching and learning process. Further the faculty members receive invitations from various institutions to act as resource persons. They also present papers in leading national and international conferences. Newly inducted faculty will be given orientation program by the HODs of various departments which enable the new faculty to enrich their knowledge.

Assessment

The self-appraisal report is one of the major yard stick used for the promotion of the faculty. It gives a clear picture in terms of their research needs.

Cross cutting issues

Seminars and workshops are conducted where in experts from industry/academia are invited to share and deliver their knowledge and experience to sensitize and bring out awareness about the gender issues and empowerment of women and up-liftment of socially and economically weaker society.

Audio Visual Aids/multimedia

Faculty members are trained to use audio visual aids and multimedia in the classroom. Lectures are delivered using audio visual aids in classroom. All departments are provided with audio visual aids and teaching learning aids.

Teaching learning material development, selection and use

Faculty members are given free access to internet which helps them to traverse through ocean of learning materials. The college has a well-stocked library containing both reference and text books of various subjects. Further attending and organizing seminars, symposiums and workshops also help the faculty in developing the course material.

Details of faculty participation in other events

Particulars	Percentage of Faculty			
	2015-2016	2014-2015	2013-2014	2012-2013
Resource person	1	1	1	1
Participated in external Workshops	20	10	19	10
Presented paper	30	28	22	15

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

- Institute relieves faculty and offers them Official Duty for Post-graduation and Ph.D programmes.
- Institute offers desktop with Internet facility to senior faculty and also the campus is Wi-Fi enabled.
- Institute sponsors On-Duty for faculty in attending seminar, conferences, workshops, symposiums, summer and winter schools and industrial training.
- Institute organizes International/National Conferences, FDPs, summer and Winter Schools/workshops for the faculty.

- Provide on duty leave to act as resource person, deliver keynote address in conferences/seminars/workshops/SDP/FDP etc.

Details of Sponsorship and Incentives

S.No.	Schemes	Sponsorship and Incentives
1	Paper presentation in national conference	Registration fee & TA
2	Paper presentation in International conferences being conducted in India	Registration fee & TA
3	Paper presentation in International conferences being conducted in abroad	Registration fee up to 50% will be Sponsored
4	International / national journal publication in Annexure –II as per Anna university	Rs.1000/- will be sanctioned as incentive (One time)
5	International / national journal publication in Annexure –I as per Anna university	Rs.2000/- will be sanctioned as incentive (One time)
6	Attending conferences,workshops etc.	Registration fee
7	Full Book with International publisher	Rs.5000/- will be sanctioned as incentive (one time)
8	Full Book with national publisher with ISBN/ISSN Number	Rs.2500/- will be sanctioned as incentive (one time)
9	Full Book with other local publisher	Rs.1500/- will be sanctioned as incentive (one time)
10	Chapter contributed in book with International publisher	Rs.2000/- will be sanctioned as incentive (one time)
11	Chapter contributed in book with National publisher with ISBN/ISSN number	Rs.1000/- will be sanctioned as incentive (one time)

12	Research grant received from funding agencies for projects (FDP and SDP will not be considered as projects)	2.5% of the sanctioned amount as incentive
13	Consultancy work carried out	40% of the total consultancy amount for faculty & 60% for the college
14	University results (Normalised): (i) 100% results (ii) More than 90% (iii) 'S' Grade	(i) Rs.1000/- (ii) Rs.500/- (iii) Rs.300/-
15	Faculty members qualifying in the GATE/NET/National Level examination	One time incentive of Rs.5000/-

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 faculty members have published 112 technical papers in many peer reviewed national/international journals. Many faculty members of our Institution have been rewarded for presenting technical papers in various Seminars/conferences that were conducted by external Professional agencies.

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?

At the end of each semester the students give feedback of the faculty who taught the specific subject. Such evaluation is really improving the quality of teaching learning process among the faculty members. A faculty is really able to understand the areas he/she is strong and weak and can correct the mistake automatically with the help of the feedback given by the students.

The faculty evaluations are:

- Getting Feedback from the students using a format at the of every semester.
- Through class committee meeting, which are conducted every month
- Evaluation using self appraisal format

2.5 Evaluation Process and Reforms

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

The process of evaluation is made transparent to the stakeholders as follows:

- The criteria for allocation of internal marks are displayed in the notice board at the beginning of every semester.
- Examination schedules are also displayed on the notice board and are also available on the web site of the affiliating University.
- The evaluated answer papers are circulated to the students after 3 days of their exams and the mark consolidation is displayed in the notice board.
- Proper answer key for the question paper is written by the faculty member and is given to slow learners during remedial classes.
- Internal and university examination's performance are reported to the parents through letter.

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?

Institution being affiliated to Anna University, Chennai, is obliged to adhere to the evaluation reform implemented by the university.

- The curriculum and syllabus are revised once in 4 years for all academic programs.
- The faculty enters attendance and internal assessment marks of the students periodically in the Anna university web portal.
- Registration of elective subjects is done through University web portal.
- The end semester examinations results are published through University web sites.

- University introduce the process of issuing photocopy of answerscript to the students to decide on revaluation.
- The students are given the opportunity to review revaluation results.
- Listing the college ranking based on number of students appeared and passed.

The major evaluation reforms initiated by the institution on its own:

- The institution insists the faculty member to prepare a question bank from the previous year University papers along with answer key. A copy of the same is issued to all the students
- Internal assessment is conducted to the students as per the university criteria.
- Special classes and extra coaching classes are conducted for slow learners.
- Periodically monitoring the attendance percentage of all the students.
- Students are learning through projects, seminars and practical sessions.

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?

The university follows the best practice of Exam schedule with Pre-Exam monitoring system, which benefits the students to thorough every unit. The Institutional so has IAE test schedule which splits the internal marks. The distribution of papers is made to the students to encourage them or counsel them for better future performance. The students are given opportunity to reappear for the IAE test to improve their performance. The consolidated marks are displayed in the notice board. The answer scripts are verified by the Head of the Department, IQAC Co-ordinator and Principal randomly. The performances of the students are sent to the parents with the attendance performance.

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.

Formative Evaluation Process

- The Institution encourages the students to attend In-Plant Training to improve their technical skills.
- The Organization allows students for Industrial visit and Field visit for obtaining

domain knowledge.

- Institution encourages students to attend workshops and seminars in various colleges.
- Guest lectures are arranged with the experts
- Students are encouraged for presenting and publishing papers in conferences & journals.
- Marks in IAE, Model Exam and University exams.

Summative Evaluation Process

- Students are allowed to attend various competitions inside and out side the college.
- Institution schedules internal assessment tests.
- Slow learners students are counseled for their improvement.
- Students are evaluated using theory and practical examinations conducted by university.
- The value added courses are conducted to improve the technical skills in latest technologies.

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

The Internal assessments are scheduled prior with academic calendar and are informed to the students through circular. There is a transparency in the internal assessment and the organization adopts the criterion as directed by the university. The average of the internal mark is calculated with equal weight age of units including descriptive and short questions.

The prepared assessment report is submitted by the concerned Faculty, Advisor, HOD and Principal is also displayed on the notice board. The internal assessment is made based on the class attendance and score in the internal exams. The students can view their attendance and internal mark through web portal, published by Anna University.

The students are encouraged for independent learning which includes project expo, paper presentation in National / International conferences, and sending papers to journals. The institute considers behavioral attributes, independent learning, communication skills and extra-curricular activities in deciding the best outgoing student.

**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?**

- Graduate Attributes as specified by the college
- Reasonable Leadership Skill, Self Confidence, Communication Skill
- Positive Attitudes - Sense of Ethics.
- In-depth subject knowledge -Practical knowledge.
- The Institute frames the course structure to attain the subject knowledge and practical knowledge.
- The organization honor the students by giving best out going student awards based on the above graduate attributes.
- Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi disciplinary environments.
- The entrepreneurship development cell of the college conducts various seminars/workshops to mould students to become entrepreneurs.
- The faculty sensitizes students towards inclusive social concerns, human rights, gender and environmental issues to make them sensitive, sensible, useful and conscientious global citizens.

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

The college ensures full transparency in the process of evaluation of

- Internal papers. However, a grievance if any is redressed by the Audit members then the grievance is referred to the course instructor for redressal.
- At the university level there is provision for Getting Xerox copy of Answer scripts for Re-valuation & Review of Revaluation.
- Answer sheets are shown to the students so that they can learn from their mistakes and improve up on their performance in the future examinations.
- A Suggestion Box has been installed on the campus. The grievance is taken up by the members of the committee, the case studied and discussed by the team, and the grievance redressed. No grievance has been formally presented which required going beyond the level of the faculty members for grievances regarding attendance issues.

2.6 Student Performance and Learning Outcomes

2.6.1 Does the College have clearly stated learning outcomes for its programmes?

If yes, give details on how the students and staff are made aware of these?

Yes, The College and the departments stated their learning Out comes. It is been Campaigned to all the students and staff through the website, Academic Calendar, Notice board.

Learning Outcomes:

- Students are motivated to attain their goal by means of constant improvising in the assessment Skills.
- Focuses disseminating the type and depth of learning which the students are expected to achieve in the specialization. Offering a clear state idea about the effective skills that a graduate should have in his course. Delivering a well guidance and support to the students to bring the excellence in their performance.

Prospectus

The prospectus provides the following information

- Details of Academic Programmes Offered
- Fee structure for each course
- Fee structure for hostel
- Eligibility criteria for admissions
- Admission procedures
- Placement details
- Infrastructure
- Major recruiters
- Websites

Besides mandatory information the website updates current affairs, achievements of faculty and students. Photo gallery is up dated for the events conducted. Provision is made for the forth coming events to scroll on the screen.

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/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

- Institution has a continuous evaluation which consists of three Internal Assessment Examinations, semester examinations, practical and viva voce examination. Using this mechanism Institution finds out the progress of the student and end result is made and uses feedback to improve the academic process.
- Institute communicates the marks obtained in the Internal Assessment Examinations and in the university results are sending to the parents regularly by post. Students can also view their internal marks and attendance any time in Anna university web portal.
- Every Internal Assessment Examinations results were analyzed with micro level analysis which comprise of hostel and day scholar student performance analysis, boys and girls students analysis etc., to improving the academic performance of the students.
- Communication between the parents, students and faculty is enhanced by organizing regular parents and guardian meet.
- Every semester Anna university results were analyzed with the nearby colleges and find out what are the areas that we have to take care to improvise the academic performance of the students. The processes also included with micro level analysis which comprise of hostel and day scholar student performance analysis, boys and girls students analysis etc., Thus the Institution Monitor and analysis the student performance with high scale priority.

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

- There are three internal tests for each semester as per the schedule given by the university and the test assessments are evaluated and marks displayed in the notice board and the same is sent to the parents through post and student and parents can see their mark in the college web-portal at any time. Their internal marks are assigned based on the awarded marks.

- To enhance the communication skills and the knowledge enrichment in the subject, student is exposed to class-room seminar on the topics of their learning. This helps them to organize their ideas and the presentation skill.
- In addition to academic attainment achieved through teaching and learning process, the institution conducts regularly personality development programs leading to gaining ethical social and moral responsibilities. The placement cell gives training for placement. The number of campus drive programmes, on and off campus, promotes employable skills and opportunities. The MOUs signed by college in this regard improve the placement status.

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

- Students are encouraged to do project by themselves and that are displayed in the Project Expo conducted every year and innovative project are awarded with prize for each department level and by overall institution projects are awarded. This encourages the students to think innovatively.
- Institute conducts special programs to enhance the social and economical relevance of course with different cell like EDC, NSS, YRC, etc.
- The Entrepreneurship Development Cell (EDC) provides all needed information and motivates the students with interest to become an entrepreneur.
- Professional body members are invited for various programs like guest lectures, workshops and leader's talk to encourage the students in research related activities.

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 relevant data on student learning outcomes are collected from the following:-

- Conduct of regular meeting by the principal to know about the problem in the department and analyzed to overcome the barriers from the department and from the institution.

- Reports from the Class Committee meeting, faculty feedback, course meeting and the informal feedbacks are sent to IQAC for review.
- Result analysis of Internal Assessment and University Results are analyzed to know the students and faculty skills that helps to improve both the students and faculty.
- Employers feed back and compliments registers are maintained and planned accordingly.
- Alumni meeting are conducted every year and the feedback from the alumni is accepted for planning and improvement of the institution.
- The above reports are analyzed and discussed in detail in the periodic meeting. The feedback about pace of the syllabus coverage, the teaching methodology employed by the faculty members, and the conduction of laboratory exercises is summarized from such reports. Any shortcomings reported are addressed by mentoring the staff, planning additional tutorial hours if needed, or by providing special study material to the students.

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

- The Institute has a planned mechanism of monitoring the achievement of learning outcomes. The semester plan is designed in the beginning of the semester has a detailed schedule of internal assessment test, dispatch of their reports to parents and completion of the syllabus.
- Internal Assessment Tests and University examinations are conducted based on the circular given by the university and same is circulated to students well in advance.
- Laboratory experiments are planned to complete within the given duration Attendance of the students calculated for every assessment period and same is uploaded in the university website and informed to students about their lack in attendance.
- Organizing various programs like seminar, workshop, conference and resource lectures to meet the students requirements, by effective use of webinars and other e-learning material.
- Various students competition are conducted to enrich their students in other skills like co- curricular activities, sports, NSS camp etc.
- Counseling is given to slow learners. Parents of such students are called to meet their respective faculty member, if required. As all the lab courses are continuously

assessed, students who lag in these courses are given additional help and guidance. They are also given additional lab practice. The faculty members are encouraged to conduct surprise tests, quizzes, etc. to monitor the academic progress of each student.

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 assessment and evaluation both as an indicator for evaluating students' performance. Performance indicators are means to focus on specific expectations of a programme. They facilitate the curriculum delivery strategies and assessment procedures. It is decided on student outcomes. The difference between student outcomes and performance indicators is that student outcomes are intended to provide general information about the focus on student learning and are broadly stated of the outcome not measurable, while indicators are concrete measurable outcome. Performances of students must meet the target of indicators of achievement. Indicators are developed from programme outcomes.

Example:

Student outcomes

- ❖ To work effectively as a member of a team
- ❖ To solve technical problems
- ❖ To become lifelong learners
- ❖ To develop soft skills ability

Micro level indicators

- ❖ Course based exam
- ❖ Assignment, Paper presentation and Projects
- ❖ Alumni survey

Indicators& its Definition

- ❖ Knowledge - Remembering previously learnt information
- ❖ Comprehension - Grasping the meaning of information
- ❖ Application - Apply knowledge to actual situations
- ❖ Responding - Active participation

- ❖ Receiving - Listening to discussions on debatable issues
- ❖ Synthesis - Problem solving
- ❖ Discriminate - Too many different solutions
- ❖ Demonstrate - Display your own ideas

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

To make a student centric learning, the institution adopts the following best practices in respect of teaching, learning and evaluation process:

- ❖ The institution is achieving its goals and objectives through well chalked out academic calendar which is distributed well before the commencement of the academic sessions to the students and teachers.
- ❖ Complete transparency in admission, evaluation, faculty recruitment and administration.
- ❖ Appointment of class in charge for continuous monitoring and assessment.
- ❖ Lecture delivering method is supplemented by the ICT.
- ❖ Organizing seminars, workshops, industrial visits.
- ❖ Well qualified and experienced teachers.
- ❖ Carry out periodic class tutorials and take home assignments.
- ❖ Plan revision lectures.
- ❖ Organizing guest lectures by experts from national and international universities/institutions.
- ❖ Encouraging advanced learners to participate in various curricular and co-curricular activities.
- ❖ Arranging extra coaching classes for slow learners.
- ❖ Providing academic counseling by counselors.
- ❖ Faculty members are evaluated regularly in every subject by students.
- ❖ Continuous evaluation enables effective performance of the student.
- ❖ Students undergo field work / industrial training in partial fulfillment of the curriculum which helps them to understand the practical application of their education to real world scenarios.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION**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, we are going to apply for the following three departments for research centre under Anna University.

Detail of research centres

Sl.No	Department
1.	Electronics and Communication Engineering
2.	S&H (Mathematics)
3.	S&H(Chemistry)

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, the institution has a Research Committee to monitor and address the issues of research activities. The committee consists of the Principal, Dean (R&D) and few senior faculty members. The committee encourages the faculty members to enroll for Ph.D. programmes in their fields of interest. They are also assisted to apply for minor/major research projects.

A senior teaching faculty member in the department will be nominated as Research co-coordinator to represent the department research related issues.

Members of Research Committee

S.No.	Faculty members	Designation	Department
1.	Dr.A.M.J.Mohammed Zubair Rahman	Principal	ECE
2.	Dr.Mohamed Musthafa	Vice Principal	CSE
3.	Dr.G.Balaji	HOD	S&H
4.	Dr.P.Suresh Mohan Kumar	HOD / PG	MECH
5.	Dr.S.Kumar	HOD	ECE
6.	Prof .G.Thangavel	HOD	MECH

The following are the objectives of R & D Cell:

- The Research and Development Cell is established with an objective of promoting research by students and the faculty in newly emerging and challenging areas of Engineering, Technology, Science and Humanities in the Age of Globalization.
- To guide faculty members for applying and getting funds for conducting seminar / workshop / FDP from various funding agencies.
- To obtain current circulars, regularize and do follow-up for applying funded projects from various funding agencies.
- To invite eminent experts from reputed institutions for R & D related interactions and co-operate to conduct national and international conferences on inter-disciplinary areas on upcoming technologies with the support of respective departments.

Recommendations of the Research and Development committee are to:

- The research committee recommends that periodic participation, presentation and publication of technical articles is mandatory to the teaching faculty members with PG qualification and they must enrol for research.

The faculty members are sponsored to attend seminar / workshop and to present papers in national / international conferences with eligible financial support and on duty. The details are given below.

Details of Name of Seminar / Workshop/ Conferences Attended By Faculty Members

Sl. No	Name of Faculty	Title of Paper	Name Of Seminar / Workshop / Conference	Department	Date	Venue
1.	Mr.P.Loganathan	Foundation Engineering	Workshop	CIVIL	18.06.2015 TO 20.06.2015	Vellalar college of Engineering and Technology
2.	Mrs.A.Fathima Darras Gracy	Foundation Engineering	Workshop	CIVIL	18.06.2015 TO 20.06.2015	Vellalar college of Engineering and Technology
3.	Mr.P.Mayilsamy	Structural Analysis-II	Workshop	CIVIL	05.01.16 TO 11.01.2016	M.P.Naschimut u M Jaganathan Engineering College
4.	V.Veeraramkumar	Experimental study on fiber reinforced polymer concrete	Conference	CIVIL	30.03.2016	Nandha Engineering college
5.	Mr.K.Subaramanian	Experimental study on steel fibers in RCC T-beam	Conference	CIVIL	02.03.2016	M.P.Nachimuth u M Jaganathan Engineering College
6.	Mrs.A.Fathima Darras Gracy	Experimental study on FRP Concrete in Bridge	Conference	CIVIL	02.03.2016	M.P.Nachimuth u M Jaganathan Engineering College
7.	M.Nirmala	Experimental study of RCC beam retrofitted with FRC	International Conference	CIVIL	04-03-2015 TO 05-03-2015	Surya Engineering College.

8.	M.Nirmala	Experimental study of Fibre reinforced concrete by using various aspect ratio	International Conference	CIVIL	12-02-2014	Aishwarya Engineering College.
9.	R.Rajadurai	Experimental behavior of jude and banana fibre in fiy ash brick	International Conference	CIVIL	04-03-2015 05-03-2015	Surya Enginnering College, Erode
10.	A.Fathima Darras Gracy	Experimental study of RCC beam retrofitted with FRC	International Conference	CIVIL	04-03-2015 05-03-2015	Surya Engineering College.
11.	P.Loganathan & Dr.G.S.Thirugnana m	Experimental investigation on behavior of banana fibre with natural rubber composite concrete	International Conference	CIVIL	12-02-2014	Aishwarya College of Engineering and Technology
12.	P.Loganathan & Dr.G.S.Thirugnana m	Experimental investigation on behavior of banana fibre with natural rubber composite concrete	International Conference	CIVIL	04-03-2015 05-03-2015	Surya Engineering College.
13.	P.Santhoshkumar	Performance and evaluation of natural based basalt fibre reinforced concrete	National Conference	CIVIL	03.05.2014	KSR college of Engineering
14.	P.Santhoshkumar	Mechanical properties of basalt fibre reinforced concrete	National Conference	CIVIL	07.03.2014	Excel college of Engineering

15.	Dr.A.M.J.Md.Zubair Rahman	Communications and Computational Intelligence (INCOCCI 2010)	International Conference	ECE	28.12.2010.	Kongu Engineering College
16.	Dr.A.M.J.Md.Zubair Rahman	International Conference on Emerging Trends in Engineering	International Conference	ECE	11.04.2011.	Magna College of Engineering, Chennai
17.	Mrs.K.Vanitha, Mrs A.Sudha & Ms.A.Nooral Shabha	Innovative Industrial Software Testing	International Conference	CSE	22.02.2014	Aishwaraya College of Engineering
18.	Mrs.K.P.Porkodi	Under water wireless Sensor Networks Routing Survey	International Conference	CSE	22.02.2014	Aishwaraya College of Engineering
19.	Mr.R.Md.Yousuf & Mr.K.Omprakash	Optimization of Data Security and Enhancing Key Exchange on MANET using ECDSA	International Conference	CSE	28.02.2014	Easa College of Engineering & Technology Coimbatore
20.	S.M Karpagavalli	Data Sharing And Access Control using Attribute Based Encryption Techniques	International Conference	CSE	09.09.2015	Jay Shriram Group Of Institutions
21.	Dr.A.M.J.Md.Zubair Rahman	Educational Data Mining And Use Of Data Mining Technique For Improving Teaching And Predicting Student Performance	International Conference	CSE	11.8.2015	Canadian Arena Of Applied Scientific Research Ltd

22.	Dr.A.M.J.Md.Zubair Rahman	Recent Developments in Research Methodologies	National Conference	ECE	02.03.2012	R.M.K Engineering College
23.	Mr.N.Nasurudeen Ahamed	Enhancing Security for Hostile Expedition	National Conference	CSE	11.03.2014	Surya College of Engineering, Erode.
24.	Prof.G.Thangavel	International Conference on MECZ2016	International Conference	MECH	14.02.2016	Bannari Amman Institute of Technology
25.	Mr.M.Santhose	Autonomous Mobile Robot MEDZ2016	International Conference	MECH	14.02.2016	Bannari Amman Institute of Technology
26.	Mr.P.L Srenatthan	Rapid Prototyping	Workshop	MECH	23.02.2016	Coimbatore Institute of Technology
27.	Mr.V.R.Vellingiri	Finite element Analysis and its Applications	Seminar	MECH	09.09.2015	M.P.Nachimuthu M.Jaganathan Engineering College
28.	Mr.N.Rajkumar	Rapid Prototyping	Workshop	MECH	23.02.2016	Coimbatore Institute of Technology
29.	Mr.M.Ashokkumar	Autonomous Mobile Robot MEDZ2016	International Conference	MECH	14.02.2016	Bannari Amman Institute of Technology
30.	Mr.M.Mohideen Batcha	Rapid Prototyping	WORKSHOP	MECH	23.02.2016	Coimbatore Institute of Technology
31.	Mr.M.Sankar	International Conference on MECZ2016	International Conference	MECH	14.02.2016	Bannari Amman Institute of Technology
32.	Mr.N.Naveenkumar	Finite Element Analysis and its Applications	Seminar	MECH	09.09.2015	M.P.Nachimuthu M.Jaganathan Engineering College
33.	Mr.M.Veerakumar	International Conference on Renewable Energy	International Conference	MECH	02.03.2016	M.P.Nachimuthu M.Jaganathan Engineering College

34.	Mr.K.Yuvaraj	International Conference on Renewable Energy	International Conference	MECH	02.03.2016	M.P.Nachimuthu M.Jaganathan Engineering College
35.	Mr.K.K.Kavin	Advances in Automobile Engines with Hands on Training	Workshop	MECH	11.8.2015	M.Kumarasamy College of Engineering
36.	Mr.K.Daniel Dhivya Prabakar	Finite Element Analysis and its Applications	Seminar	MECH	23.03.2016	Mahendra Engineering College
37.	H.Mohammed Aslam	Thermodynamics Future and its Applications	Seminar	MECH	22.08.2015	Nandha Engineering College
38.	Mr.R.Gobinath	Thermodynamics Future and its Applications	Seminar	MECH	22.08.2015	Nandha Engineering College
39.	Mr.K.K.Kavin	National Conference on Recent Trends in Engineering & Technology	National Conference	MECH	24.3.2016	KSR Institute For Engineering & Technology
40.	Mr.A.Karthik	National Conference on Recent Trends in Engineering & Technology	National Conference	MECH	24.3.2016	KSR Institute For Engineering & Technology
41.	Mr.P.Karthik	International Conference on Renewable Energy	International Conference	MECH	02.03.2016	M.P.Nachimuthu M.Jaganathan Engineering College
42.	Mr.S.Partheeban	International Conference on Robotics	International Conference	MECH	14.03.2016	Gnanamani College of Engineering
43.	Mr.P.Vignesh	International Conference on Robotics	International Conference	MECH	14.03.2016	Gnanamani College of Engineering
44.	Mr.K.K.Kavin	Future Scope in Automobile Emission Control	workshop	MECH	13.2.2016	Bannari Amman Institute of Technology

45.	Mr. M.Santhose	Art And Skill Of Writing Project Reports And Publishing Journal Papers	Faculty Development Program	MECH	16.12.2015 to 18.12.2015	Noorul Islam Centre For Higher Education
46.	Mr. S.Partheeban	Engineering Mechanics	Faculty Development Program	MECH	17.12.2015 to 18.12.2015	K S R Institute For Engineering & Technology
47.	Mr. A.Karthik	Engineering Mechanics	Faculty Development Program	MECH	17.12.2015 to 18.12.2015	K S R Institute For Engineering & Technology
48.	Mr.K.K.Kavin	Engineering Mechanics	Faculty Development Program	MECH	17.12.2015 to 18.12.2015	K S R Institute For Engineering & Technology
49.	P.Krishnan	Green Technology of Engineering and Applied Science”, Proceedings of the International Conference	International Conference	MECH	29.03.2013 to 30.03.2013	Melmaruvathur Adhiparasakthi Engineering College, Chennai
50.	P.Krishnan	Mechanical and Mechatronics Systems	National Conference	MECH	09.04.2013	Karpagam College of Engineering, Coimbatore
51.	R.Gobinath	Performance of Powder Mixer Kerosene sbruthem as dielectric for EDM,EN8 Alloy Steel	National Conference	MECH	08.03.2013	Jayalakshmi College of Engineering
52.	P.Jayakumar	Recent Advancemen t Composite	National Conference	MECH	12.11.2013	K.S.R College of Technology
53.	A. Sivakumar	Software Testing And Maintenance	Workshop	ECE	08.01.2016	Velammal College of Engineering and Technology
54.	M.Jayalani	Software Testing And Maintenance	Workshop	ECE	08.01.2016	Velammal College of Engineering and Technology

55.	A. Fayik Ali	Hacking Web Securities And Online Frauds	Workshop	ECE	17.02.2016	Jansons Institute of Technology
56.	G.E. Mohammed Musthafa	Hacking Web Securities And Online Frauds	Workshop	ECE	17.02.2016	Jansons Institute of Technology
57.	M. Sivaneyselvan	Network Simulator - 2	Workshop	ECE	19.02.2016	Kongu Engineering College
58.	Z. Shaheel Hameed	Network Simulator - 3	Workshop		19.02.2016	Kongu Engineering College
59.	M.Mahaboob	Performance Analysis Of Manet Routing Protocol	National Conference	ECE	18.03.2016	Vivekanandha College of Engineering for Women
60.	Z. Shaheel Hameed	Area Efficient High Speed Transpose Form Fir Filter Architecture For Fixed And Reconfigurable Applications	National Conference	ECE	19.03.2016	Nandha College of Technology
61.	A.M. MD Ismail	Maximum Shared Resource Architecture For Recursion Computation In Turbo Decoders	National Conference	ECE	19.03.2016	Nandha College of Technology
62.	M.Jothimani	A New High Speed, Low Power Modified Current Controlled Domino Logic	International Conference	ECE	21.03.2016	KSR Institute of Engineering and Technology

63.	O.Cyril Mathew	Design And Implementati on Of Residue Number System Using High Speed Reverse Converter	International Conference	ECE	21.03.2016	KSR Institue of Engineering and Technology
64.	Dr.A.M.J.Md.Zubai r Rahman	Naac Awareness On Quality Systems In Higher Education For Affiliated Colleges Of Anna Uuniversity By Iqac	Workshop	ECE	26.03.2016 & 27.03.2016	Anna University
65.	D.Dhanasekaran	An Efficient Protection For Fpga Ip Core Using Physical Unclonable Function	National Conference	ECE	02.04.2016	SSM college of Engineering
66.	S.Syedzagiriya	Open Risc- Based System On Chip For Digital Signal Processing	National Conference	ECE	02.04.2016	SSM college of Engineering
67.	S.Selvam	Non-Linear Electro Encephalogra m Signal Processing Using Fuzzy Clustering For Acccident Avoidance System In Vehicle	National Conference	ECE	30.04.2016	Nandha Engineering College

68.	S. Kumar	Design Of Conventional 8 Tap FIR Filter And Analysis Of Asynchronous Parallel Self -Timed Adder	National Conference	ECE	30.04.2016	Nandha Engineering College
69.	A.M.Mohamed Ismail, & Dr.S.Saravanan	An Ultra Low Power Physical Layer Design for Wireless Body Area Network	International Conference	ECE	21.03.2015	Sri Ramanathan Engineering College.
70.	O.Cyril Mathew	Security on AD-HOC networks	National Conference	ECE	15.03.2011 16.03.2011	Vivekanandha College of Engineering
71.	O.Cyril Mathew	Communication and Signal Processing 2010	National Conference	ECE	12.03.2010	SSM Engineering College, Komarapalayam
72.	O.Cyril Mathew	Secure Routing on network	National Conference	ECE	16.07.2011	Vivekanandha College of Engineering for women
73.	O.Cyril Mathew	Tracking and position of Telecommunication System	National Conference	ECE	02.07.2011	SSM Engineering College, Komarapalayam
74.	S.Selvam	Emerging Technology in Computer and Communication	National Conference	ECE	15.03.2011 16.03.2011	Vivekanandha College of Engineering for women, Thiruchanode
75.	S.Selvam	Recent Advancements in Engineering and Technology	National Conference	ECE	02.07.2011	SSM Engineering College, Komarapalayam
76.	A.M.Mohamed Abdul Kadher	Stuck of fault coverage in fullscan benchmark circuit	National Conference	ECE	11.03.2011	SSM Engineering College

77.	T.Vimal kumar	Control of dfig wind turbine with direct current vector control configuration	International conference	EEE	04.03.2016 & 05.03.2016	Nandha college of technology
78.	G.Manoj prabhu	Pv based stand alone automatic water pumping system using mppt technique	International conference	EEE	04.03.2016 & 05.03.2016	Nandha college of technology
79.	R.Gowtham	Pv based stand alone automatic water pumping system using mppt technique	International conference	EEE	04.03.2016 & 05.03.2016	Nandha college of technology
80.	M.Mohandass	Emerging trends in science, engineering & technology	International conference	EEE	04.03.2016 & 05.03.2016	Nandha college of technology
81.	R.Dinesh kumar	Control of dfig wind turbine with direct current vector control configuration	International conference	EEE	04.03.2016 & 05.03.2016	Nandha college of technology
82.	B.Balajee	Pv based stand alone automatic water pumping system using mppt technique	International conference	EEE	04.03.2016 & 05.03.2016	Nandha college of technology
83.	R.Dinesh kumar	Solar photovoltaic systems	Workshop	EEE	12.02.2016	Kongu engineering college
84.	G.Manoj prabhu	Solar photovoltaic systems	Workshop	EEE	12.02.2016	Kongu engineering college
85.	R.Gowtham	Solar photovoltaic systems	Workshop	EEE	12.02.2016	Kongu engineering college

86.	B.Balajee	Solar photovoltaic systems	Workshop	EEE	12.02.2016	Kongu engineering college
87.	B.Balajee	Research methodology with emphasis on engineering science	Seminar	EEE	30.01.2016	Excel college of engg
88.	R.Dinesh kumar	Research methodology with emphasis on engineering science	Seminar	EEE	30.01.2016	Excel college of engg
89.	M.Mohandass	Research methodology with emphasis on engineering science	Seminar	EEE	30.01.2016	Excel college of engg
90.	M.Dinesh kumar	Research methodology with emphasis on engineering science	Seminar	EEE	30.01.2016	Excel college of engg
91.	G.Manoj prabhu	Research methodology with emphasis on engineering science	Seminar	EEE	30.01.2016	Excel college of engg
92.	T.Vimal kumar	Research methodology with emphasis on engineering science	Seminar	EEE	30.01.2016	Excel college of engg
93.	M.Mohandass	Embedded system & its applications	Workshop	EEE	28.08.2015 & 29.08.2015	Sns college of technology
94.	T.Vimal kumar	Embedded system & its applications	Workshop	EEE	28.08.2015 & 29.08.2015	Sns college of technology
95.	B.Balajee	Embedded system & its applications	Workshop	EEE	28.08.2015 & 29.08.2015	Sns college of technology
96.	N.Ramesh kumar	Embedded system & its applications	Workshop	EEE	28.08.2015 & 29.08.2015	Sns college of technology

97.	V.Suresh	Embedded system & its applications	Workshop	EEE	28.08.2015 & 29.08.2015	Sns college of technology
98.	A.Sathikbasha	Embedded system & its applications	Workshop	EEE	28.08.2015 & 29.08.2015	Sns college of technology
99.	R.Dinesh kumar	Embedded system & its applications	Workshop	EEE	28.08.2015 & 29.08.2015	Sns college of technology
100.	R.Dineshkumar	An improved power factor and four quadrant operation of BLDC motor usingh ANFIS control with multicarrier PWM technique	International Conference	EEE	12.02.2014	Aishwarya College of Engineering
101.	M.Jayalani	Fault tolerant quality of wireless network	International Conference	EEE	12.02.2014	Aishwarya College of Engineering
102.	R.Dineshkumar	Fuzzy based servo motor force control	International Conference	EEE	31.03.2015	Erode Sengunthar Engineering College
103.	N.Ramesh kumar	Analysis of four leg inverters for unbalanced loads	National Conference	EEE	27.03.2010	Vellalar College of Engineering and Technology
104.	N.Ramesh kumar	Analysis of four wire inverters for 3 phase star connected load"	National Conference	EEE	10.03.2010	KLN College of information Technology, sivagangai
105.	G.Manoj prabhu	Energy audit and power quality	National Conference	EEE	05.10.2012 6.10.2012	Dr.MGR Educational & Research Institute University
106.	T.Vimal kumar	Comparison of 2 level inputs for fuzzy logic maximum power tracking	National Conference	EEE	22.03.2013 23.03.2013	Jai Sriram Group of institutions

107.	T.Vimal kumar	Comparison of 2 level inputs for fuzzy logic max, power trading	National Conference	EEE	27.02.2013 28.02.2013	Vivekananda college of Engineering
108.	R.Gowtham	Energy audit and power quality	National Conference	EEE	5.10.2012 6.10.2012	Dr.MGR Educational & Research Institute University
109.	V.Suresh	Design and analysis of impedance source inverter for photovoltaic cell application	National Conference	EEE	12.03.2010 13.03.2010	Bannari Amman Institute of Technology
110.	V.Suresh	Design and analysis of impedance source inverter for photovoltaic cell application	National Conference	EEE	25.03.2010	Annai Mathammal Sheela College of Engineering
111.	Mr. J. Samson	Bridge Course on English	Faculty Development Program	S&H	22nd to 23rd June 2015	ANNA UNIVERSITY, CHENNAI
112.	Mr. A. Antony Prabhu	Bridge Course on Physics	Faculty Development Program	S&H	22nd to 23rd June 2015	ANNA UNIVERSITY, CHENNAI
113.	Mr. A. Ramesh	Bridge Course on Maths	Faculty Development Program	S&H	22nd to 23rd June 2015	ANNA UNIVERSITY, CHENNAI
114.	Mr. A. Ramesh	Innovative Trends in Teaching Methods	National Seminar	S&H	25.3.2016	NANDHA COOLEGE OF TECHNOLOGY
115.	S.Rajeshwari	Innovative Trends in Teaching Methods	National Seminar	S&H	25.3.2016	NANDHA COOLEGE OF TECHNOLOGY
116.	Mrs.S. Meenachi	Emerging Trends In Materials And Methods	National Conference	S&H	7 th October, 2015	KSR College of arts and science for women
117.	Mrs.Y. Devakumari,	Innovative Trends in Teaching Methods	National Seminar	S&H	25.3.2016	NANDHA COOLEGE OF TECHNOLOGY

118.	Mrs. M.Ramya	Oscillation Criteria for second order linear and non linear differential equation with damping	National conference	S&H	24th March 2016	KSR Institute for Engineering and Technology
119.	Mrs. R. Hemalatha	Innovative Trends in Teaching Methods	National Seminar	S&H	25.3.2016	NANDHA COOLEGE OF TECHNOLOGY
120.	Mr. C. Krishna moorthy	Recent Advancements in Wastewater Treatment for Sustainable Development ” (RAWTSD-16)	National Seminar	S&H	29th January 2016	Kongu Engineering College
121.	Mr. C. Krishna moorthy	Recent Trends and Challenges in Phytochemistry and Biosorption	National Seminar	S&H	4.03.2016	Kongu Engineering College
122.	S. Meenachi	An ideal method for Synthesis of Aniline Benzaldehyde Schiff base	International Conference	S&H	05.02.2014 07.02.2014	PSGR Krishnammal College for Women, Coimbatore
123.	S. Meenachi	Synthetic Studies on [2,6] Naphthyridine Compounds and its Derivatives-Synthesis of 5-Hydroxybenzo [C][2,6] Naphthyridine 1,4-Dione	International Conference	S&H	04.10.2013	Dhirajlal Gandhi College of Technology
124.	K.Mohanapriyan	Thin film technology	National Conference	S&H	10.7.2014, 11.7.2014.	Dr.M.G.R. University

125.	S.Meenachi	Studies on dyeing on Cotton clothes using reactive dyes with Exhausting agent and fixing agent	National Conference	S&H	04.02.2014	Gobi Arts and Science College, Gobi
126.	S.Meenachi	Studies on dyeing using reactive dyes with sodium carbonate and sodium hydroxide	National Conference	S&H	22.03.2014	United Institute of Technology Coimbatore
127.	A.Shobana	Banach Space without minimal subspace	National Conference	S&H	22.03.2014	United Institute of Technology, Coimbatore
128.	G.Balaji	Analysis of Differential Equations on the Sphere Using Single Term Haar Wavelet Series”	National Conference	S&H	11.02.2012	VMKV College of Engineering
129.	J.Raffiea Baseri	Synthesis and Application of Polypyrrole Polymer Composites for the Adsorptive Removal of Cationic and Anionic dyes	National Conference	S&H	16.12.2011 17.12.2011	Kalasalingam University
130.	A.Agalya	Polymer Composite for the Removal of direct dyes	National Conference	S&H	16.12.2011 17.12.2011	Kalasalingam University

- The participation of faculty in symposium / seminar / conference / project are given below.

Paper Publications /Presentations in Conference / Journals published by Faculty Members

Academic Year	Paper publications / Presentations in conference / Journals pulished by the faculty					
	CSE	ECE	EEE	CIVIL	MECH	S&H
2015-2016	9	10	12	11	17	23
2014-2015	16	11	12	10	18	17
2013-2014	15	6	8	6	10	11
2012-2013	12	4	8	4	11	4
2011-2012	5	6	3	2	5	5

The participation of students in symposium / seminar / conference / project contest are given below.

Paper Publications / Presentations in Conference / Journals by Students

Academic Year	Paper publications / Presentations in conference / Journals published by the Students					
	CSE	ECE	EEE	CIVIL	MECH	S&H
2015-2016	12	108	33	35	93	0
2014-2015	30	32	28	18	26	22
2013-2014	26	30	24	14	23	15
2012-2013	22	28	19	8	14	10
2011-2012	21	16	16	6	15	8

- Improve the number of research publications.
- Submit sponsored research proposals.
- Recommend the institution to allot fund for student research.
- Recommend the institution to publish its own research journal.
- Grant of special leave and on duty.

Impact of the Research and Development committee:

- The number of publications by the faculty member in national/international journals and conferences are on the rise.
- Annual National level technical Conferences by all Departments..
- To release a compendium of the research articles published by the faculty and students in refereed journals, books with ISBN and ISSN number for easy accessibility to future research scholars.
- A good number of faculties have shown interest in doing Ph.D and engage themselves in research activities.
- Faculty strive to acquire fund from different agencies.
- Symposia/seminars/conferences/workshops are organized in increasing numbers.

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
- Timely availability or release of resources
- Adequate infrastructure and human resources
- Time-off, reduced teaching load, special leave etc. to teachers
- Support in terms of technology and information needs
- Facilitate timely auditing and submission of utilization certificate to the funding authorities.
- Once the project is sanctioned by the funding agencies, the Principal Investigator's (PI) teaching work load is minimized. Freedom is given to the PI for conducting research and advance funding is also given. A well defined purchase procedure is available in the college to procure the equipment at the earliest by the principal investigator. Complete autonomy is given to the PI for utilizing overhead charges.
- On duty is provided for the PI to collect the necessary materials related to the project and to meet the eminent people in research institutions to discuss.

- Available resources and infrastructure facilities like computers with Wi-Fi facility, adequate space, necessary equipment and skilled assistants can be used for the research.
- The institution offers full freedom to make them feel fully comfortable while executing the project. The possible reduction is also done in their teaching load so that they will readily submit the deliverables within the stipulated time. College management continuously motivates students and faculty members for presenting their paper work in International Conferences.

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

- Industrial visits are organised to enable the students to get real time applications and exposure.
- Motivation is given to the students to do higher studies and pursue research in their select areas. The college encourages the students to participate in Seminars, National and International Conferences and Project Presentations organized by other institutions.



Appreciation by our principal to the student who won prize in various event conducted by other Institution

Details of Students Participation

S.No.	Students Participation Details	2012-2013	2013-2014	2014-2015	2015-2016
1.	Seminars	28	45	55	20
2.	Papers Presented in National Level Technical Symposium	73	120	130	90
3.	National and International Conferences	45	60	70	99
4.	Project Presentations	36	50	60	38
5.	Participation in Workshop, Software Debugging, Quiz & Other Events	40	45	56	78

- The college organizes Seminar, Guest Lecture, Conference & Technical symposium etc., regularly for the benefit of the faculty and students. In addition, research experts are invited to guide the faculty members for preparing research articles, project proposals and thesis writing. The faculty and students interact with resource persons to enrich their knowledge in research.

The details of experts talk awakening the spirit and interest of the students / faculty members in research activities are given below

Sl.No	Name of Expert	Title	Department	Academic Year
1.	Er. N.Saravanakumar, Chief Engineer, Heaven Home Builders, Namakkal.	Alumni Association Function	CIVIL	2015-2016
2.	K.Anand SS Ceramics	Entrepreneur Motivation Program	CIVIL	2015-2016
3.	Mr.S.Lakshmanaperumal, Assistant Engineer, Esha Builders,Covai	Importance of Software in Civil Engineering	CIVIL	2015-2016

4.	Er. R. Kailasan Sri Sakthi Construction	Movement for Green Revolution	CIVIL	2015-2016
5.	Dr.N.Ramesh Prof/Civil KSR CT	Effluent Treatment Process	CIVIL	2015-2016
6.	KKSK Rafiq KKSK Hides Pvt Ltd	Entrepreneur Motivation Program	CIVIL	2015-2016
7.	Er.R.Paramaguru, PG Construction	Applications of Prestressed Concrete Structures	CIVIL	2015-2016
8.	Dr.N.Ramesh, KSR CT, Namakkal.	Effluent Treatment Process	CIVIL	2015-2016
9.	P.Gopalakrishnan, GK Constuctions, Erode.	Practical Applications in Civil Engineering	CIVIL	2014-2015
10.	Er.Thiruvassagam, Ridge Contruction, Erode.	Total Station	CIVIL	2014-2015
11.	Er.Devanandham, New Premier Construction, Erode.	Modern Trends In Civil Engineering	CIVIL	2013-2014
12.	Dr.N.karthikeyan	Mataematical Implementation of computer application and their importance	CSE	2015-16
13.	Mrs. K. Karthika	Theory of Computation	CSE	2015-2016
14.	SAN Technologies	Workshop on .NET basics	CSE	2015-2016
15.	Mr. P.K.Amarnath	Basic Networking	CSE	2014-2015
16.	Mr. Ahamed Ejaz Rasool	Web Designing	CSE	2014-2015
17.	SAN Technologies	Workshop on C, C++ basics	CSE	2014-2015
18.	Dr. N.Karthikeyan	Web Mining	CSE	2013-2014
19.	Mr. S. Mohamed Saleem	Cloud Computing	CSE	2013 - 2014
20.	Mr. S. Vasanth	Object Oriented Concepts	CSE	2012-2013

21.	A.ANBUSELVAN, Smart Training, Chennai	Placement Training Program	EEE	2015-2016
22.	B.RESHMA, Smart Training, Chennai	Placement Training Program	EEE	2015-2016
23.	Md. Ismail, Southern Automation, Erode	Value Added Courses – Embedded System Design & PLC Design	EEE	2015-2016
24.	K.PRAKASAM, AP/EEE KSRCE.	Enrichment Program – Guest Lecture on Power system Operation & Control	EEE	2015-2016
25.	Dr. M. Vijayakumar ASP/ EEE, KSRCE	Symposium (TACTIKA – 2K15)	EEE	2015-2016
26.	S.Karthikeyan, CEO, Genuine Environ Tech.	Entrepreneurship Awareness Program	EEE	2015-2016
27.	R. Jothimani, AP/ECE KSRCE	Enrichment Program – Guest Lecture on Discrete Time System & Signal Processing	EEE	2015-2016
28.	S.Anand Kumar, MD, Amman Distributors.	Entrepreneurship Motivation Program	EEE	2015-2016
29.	M.Kalaiselvam, Supervisor, Videocon Pvt. Ltd. Madurai.	Alumni Association	EEE	2015-2016
30.	Mr.S.Sridharan, Sr.Lecturer, Al-Ameen Polytechnic college	Microprocessor & Microcontrollers	EEE	2014-2015
31.	Mrs.M.Poonguzhali, HOD/ECE, Narasu's Sarathy college of Engineering	Digital Signal Processing	EEE	2014-2015
32.	Mr.M.Jothimani, AP/ ECE, KSRCE	Digital Signal Processing	EEE	2014-2015
33.	Mr.S.Sathishkumar, HOD/EEE, Surya Engineering College	Digital Signal Processing	EEE	2013-2014

34.	Mr.S.Sathishkumar, HOD/EEE, Surya Engineering College	Control Systems	EEE	2012- 2013
35.	Mr.S.Sridharan, Sr.Lecturer, Al-Ameen Polytechnic College	Microprocessor & Microcontrollers	EEE	2012- 2013
36.	Mr.S. Sathishkumar,HOD/EEE, Surya Engineering College	Design of Electrical Apparatus	EEE	2011- 2012
37.	Mr.M. Jothimani AP/ECE, Vellarlar College of Technology	Digital Signal Processing	EEE	2011- 2012
38.	Mr.V.Saravanan	To conduct workshop on "Wavelet analysis and multire solution using MATLAB "	ECE	2015- 2016
39.	Dr. Venkatesakumar.S	To give guest lecture on Latest thrust area of tamilnadu	ECE	2015- 2016
40.	Mr.K.Arun	To give training on PCB Design	ECE	2015- 2016
41.	Mr. kishore T	To give training for communication development	ECE	2015- 2016
42.	Mr. Vimal kumar.C	To give training for personality development	ECE	2015- 2016
43.	Mr.S.Amarnath	To conduct workshop on "Emerging trends in Embedded system "	ECE	2015- 2016
44.	Mr. K.Aravind	Discuss about Entrepreneurship	ECE	2015- 2016
45.	Dr.P.S.Periasamy	To Conduct "Faculty Development Programme"	ECE	2015- 2016

46.	Mr. S.Karthikeyan	Program	ECE	2015-2016
47.	Dr.Venkatasa Kumar	Seminar on Latest Thrust areas of Tamilnadu	ECE	2015-2016
48.	Dr.R.Vijayabhasker	Workshop on Microprocessors and interfaces	ECE	2015-2016
49.	Dr.R.Vijayabhasker	Workshop on Spartan FPGA	ECE	2014-2015
50.	Mr.Mohammed Ismail	Hands of workshop on PIC16F877	ECE	2014-2015
51.	Mr.Nandha Kumar	Seminar on Green Electronics	ECE	2013-2014
52.	Mr.G.Rajesh Babu	Workshop on DSP Processor TMS320CS50	ECE	2013-2014
53.	Mr.S.Anand, Smart Training Resource PVT Limited, CHENNAI.	Placement And Communication Skill Development Programme	MECH	2015-2016
54.	Mr. Jaffer Sathick C-Cube technologies, ERODE.	Value Added Course “PRO E”	MECH	2015-2016
55.	Mr. Jaffer Sathick C-Cube technologies, ERODE.	Value Added Course “ANSYS 15”	MECH	2015-2016
56.	Dr.D.ShanmugasundaramRTD. Medical Officer, government Hospital, Erode	Awareness Program On First Aid On Emergency	MECH	2015-2016
57.	Mr. K.Mohammed Yusuf, Quality Inspector Sidco Industry Estate, Erode	Guest Lecturer On Expectation For Production Industry	MECH	2015-2016
58.	Mr.P.M.Ragu Manager, Quality control, Agni steels Private Limited	Seminar on Programme on “Recent Trend in Quality”	MECH	2015-2016

59.	MR.KKSK Rafiq Managing Director, KKSK hides Pvt Ltd, Erode	ENTREPRENEURSHIP AWARENESS PROGRAM	MECH	2015- 2016
60.	Mr. Jaffer Sathick C-Cube technologies, ERODE..	Value Added Course “ AUTO CAD 2015”	MECH	2015- 2016
61.	MR.C.Thirumoorti,Deputy General Manager, Sail, salem Steel Plant, SALEM	Workshop on “lean manufacturing”	MECH	2015- 2016
62.	MR.K.Aravind Managing Director, SS Ceramix	Entrepreneurship Motivational Program	MECH	2015- 2016
63.	Mr.K.Sundararaj	Association Inaugural Function	MECH	2014- 2015
64.	Mr.R.Myilsamy	Association Inaugural Function	MECH	2013- 2014
65.	Mr.I.K.Gomathi Sankar	Association Valedictory Function	MECH	2013- 2014
66.	Er.S.K.Selvanayagam	Association Inaugural Function	MECH	2012- 2013
67.	Mr.S.Natarajan	Industrial Robotics	MECH	2012- 2013
68.	Er.R.Rangasamy	Association Valedictory Function	MECH	2012- 2013
69.	Mr.Kumar	Workshop	MECH	2011- 2012
70.	Mr.Srinivasan	Communication Development Program	S&H	2015- 2016
71.	Mr.Naveen Annamalai	Students Development Program	S&H	2014- 2015
72.	M.Chandrasekaran	Special lecture on Maths for First years	S&H	2014- 2015
73.	U.Krishnamoorthy	Special Lecture on Maths for M.E	S&H	2014- 2015

74.	Mr.Srinivasan	Communication Development Program	S&H	2013-2014
75.	U.Krishnamoorthy	Special Lecture on Maths for M.E	S&H	2013-2014
76.	U.Krishnamoorthy	Special Lecture on Maths for M.E	S&H	2012-2013

Details of experts talk related to research

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.

Details of Faculty members progress in research

Name of the Faculty	Department	Area of Research	Year of Registration
P.Loganathan	CIVIL	Concrete Technology	Jan 2011
K.Vanitha	CSE	Secure Routing in Manet	Jan 2012
K.P.Porkodi	CSE	Wireless Sensor Networks	Jan 2012
N. Rameshkumar	EEE	Power Electronics & Drives	July 2011
S.Kumar	ECE	Networking	Apr 2008
O.Cyril mathew	ECE	Networking	Jan 2012
A.M.Mohamed Abdul Kadher	ECE	VLSI	Jan 2012
A.M.Mohamed Ismail	ECE	Low Power VLSI	Jan 2012
P.L. Srenatthan	MECH	Analysis Of Shaft Failure In Centrifugal Pump By Optimization Of Impeller Materials	Dec 2016
M.Surendran	MECH	Development Of Aluminium Based Hybrid Composites To Improve Tribological Properties On Al / Al ₂ O ₃ / Graphite	Dec 2016

M Sankar	MECH	Investigation Of Tribology And Thermal Properties Of Aisi 310s Stainless Steel	Dec 2016
M.Santhose	MECH	Total productive maintenance	June 2014
M.Veerakumar	MECH	Enhancement Of Thermal Performance Of A Solar Pannel Dryer	Jan 2011
R.Balusamy	MECH	Studies on Vibration Characteristics piezo electric and piezo Magnetic Materials	Jan2010
K.Sundareswari	S&H	Abstract Control Theory	Dec 2006
C.Ramesh Kumar	S&H	Spectroscopy	Dec 2012
S.Meenachi	S&H	Waste water treatment	Jan 2013

A good number of research scholars are being successfully guided by our senior faculty members and the details are given below:

Details of guided by our senior faculty members

S.No.	Name of the Guide & Designation	Department	Number of Scholars doing Ph.D
1.	Dr.A.M.J.Mohammed Zubair Rahman, Principal	ECE	12
2	Dr.S.Ranganathan	MECH	8
3	Dr.D.Dhanasekaran	ECE	10

Details of industrial projects done by the students are given below.

Details of projects done in industry by the students

Academic Year	Name of The Students	Title of the Industrial Project Done by the Student during Final Year	Name of the Department	Name of the Industry in which the Project was done
2013-2014	A.Abdul Azeez	Enhancement And Efficiency Improvement In FBC Boiler By Design Of Bed Ash Cooling System	MECH	M/S Steel Authority of India Limited, Salem
	M.Mohammed Yasar			
	Syed Alaudeen			
	Shameer Ahamed			
	M.Shahul Hameed	Performance And Analysis Of Cooling Tower	MECH	M/S Mettur thermal power station, Mettur
	A.Rajesh			
	S.Sahul Hameed			
	A.Ismath Basha			
2013-14	M.Faruk	Improve The Efficiency Of Boiler Using Blowdown Process	MECH	M/S Mettur thermal power station, Mettur
	M.Gowtham			
	M.Arul Kumar			
	K.Gnanavel			
	M.Meera Hussain Faizul	Design And Analysis Of Heat Recovery Sheild In Hot Rolling Mill	MECH	M/S Steel Authority of India Limited, Salem
	G.Boopathi			
	Mohammed Thousif			
	R.Bhaskar			
	S.Arangarajan	Increase The Thermal Efficiency Of Recovery Boiler	MECH	M/S Tamil Nadu News Print Paper & Paper Ltd, Karur
	D.Gopinath			
	D.Irshad Ahamed			
	Mohamed Afzal.M	Analysis Of Pump	MECH	M/S Sehasayee Paper

	Ravi Chandran.C	Shaft Failure In Centrifugal Pump		& Board Limited, Erode
	Sridharan.D			
	Syed Riyaz.A.K			
2012-2013	Karthick.T	Methods Of Improving Boiler Efficiency	MECH	M/S Mettur thermal power station, Mettur
	Nazalurahaman.P			
	Prabudeva			
	Thatha Hayatha Absar.T			
	T.K.Mohammed Ashik Ali	Vertical Edger Grease System	MECH	M/S Steel Authority of india Limited, Salem
	S.Murugesan			
	K.N.Rifas Ahamed			
	P.vivek			
	S. Mohammed Ibrahim Khan	Productivity Improvement Through Elimination Of Losses	MECH	M/S Sakthi Auto Components
	M. Umar Kathab			
	T. Periyasamy			
	H. Mohamed Rafiq			
	Manoj Kumar.S	Run Around Coil Heat Exchanger – A Way To Waste Heat Recovery	MECH	M/S Sehasayee Paper & Board Limited, Erode
	Prabakaran.C			
	Ramkumar.M			
	Yogeshwaran.P			

In addition the faculty members are encouraged in pursuing their research work and publishing their findings in journals. The papers have been published by the staff of various departments in National & International journals /conferences.

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 imbibing research culture among the staff and students.

The Institution has organized the following workshops and training programs to build research culture among the staff and students.



Details of resource persons invited for Industrial Robotics Workshop

Details of resource persons invited for Workshops/ Training programmes / Sensitization programmes

Department		CIVIL		
S.No.	Type of Programme (Conference / Workshop / Symposium / Seminar / FDP / Project Expo / Guest Lecture / Training Programme / Inaugural / valedictory of Association / clubs)	Title of Programme	Name of the Resource Person	Date / Academic Year
1.	Guest Lecture	Alumni Association Function	Er. N.Saravanakumar, Chief Engineer, Heaven Home Builders, Namakkal.	2015-2016
2.	Guest Lecture	Entrepreneur Motivation Program	K.Anand SS Ceramics	2015-2016

3.	Guest Lecture	Importance of Software in Civil Engineering	Mr.S.Lakshmanaperumal, Assistant Engineer, Esha Builders,Covai	2015-2016
4.	Guest Lecture	Movement for Green Revolution	Er. R. Kailasan Sri Sakthi Construction	2015-2016
5.	Guest Lecture	Effluent Treatment Process	Dr.N.Ramesh Prof/Civil KSR CT	2015-2016
6.	Guest Lecture	Entrepreneur Motivation Program	KKSK Rafiq KKSK Hides Pvt Ltd	2015-2016
7.	Guest Lecture	Applications of Prestressed Concrete Structures	Er.R.Paramaguru, PG Construction	2015-2016
8.	Guest Lecture	Effluent Treatment Process	Dr.N.Ramesh, KSR CT, Namakkal.	2015-2016
9.	Workshop	Total Station	Er.Thiruvassagam, Ridge contraction, Erode.	2014-2015
10.	Guest Lecture	Modern Trends In Civil Engineering	Er.Devanandham,New Premier Construction, Erode.	2013-2014
Department		CSE		
11.	Guest Lecture	Mataemtical Implementation of computer application and their importance	Dr.N.Karthikeyan	2015-16
12.	Guest Lecture	Theory of Computation	Mrs. K. Karthika	2015-2016
13.	Workshop	Workshop on .NET basics	SAN Technologies	2015-2016
14.	Guest Lecture	Basic Networking	Mr. P.K.Amarnath	2014-2015
15.	Guest Lecture	Web Designing	Mr. Ahamed Ejaz Rasool	2014-2015
16.	Workshop	Workshop on C, C++ basics	SAN Technologies	2014-2015
17.	Guest Lecture	Web Mining	Dr. N.Karthikeyan	2013-2014
18.	Guest Lecture	Cloud Computing	Mr. S. Mohamed Saleem	2013 -2014
19.	Guest Lecture	Object Oriented Concepts	Mr. S. Vasanth	2012-2013
Department		EEE		
20.	Guest Lecture	Microprocessor & Microcontrollers	Mr.S.Sridharan, Sr.Lecturer, Al-Ameen Polytechnic College	2014-2015
21.	Training Program	Placement Training Program	A.Anbuselvan, Smart Training, Chennai	2015-2016
22.	Training Program	Placement Training Program	B.Reshma, Smart Training, Chennai	2015-2016

23.	Value Added Courses	Value Added Courses – Embedded System Design & PLC Design	Md. Ismail, Southern Automation, Erode	2015-2016
24.	Guest Lecture	Enrichment Program – Guest Lecture on Power system Operation & Control	K.Prakasam, AP/EEE KSRCE.	2015-2016
25.	Symposium	Symposium (TACTIKA – 2K15)	Dr. M. Vijayakumar ASP/ EEE, KSRCE	2015-2016
26.	Awareness Program	Entrepreneurship Awareness Program	S.Karthikeyan, CEO, Genuine Environ Tech.	2015-2016
27.	Guest Lecture	Enrichment Program – Guest Lecture on Discrete Time System & Signal Processing	R. Jothimani, AP/ECE KSRCE	2015-2016
28.	Motivation Program	Entrepreneurship Motivation Program	S.Anand kumar, MD, Amman Distributors.	2015-2016
29.	Guest Lecture	Microprocessor & Microcontrollers	Mr.S.Sridharan, Sr.Lecturer, Al-Ameen Polytechnic College	2014-2015
30.	Guest Lecture	Digital Signal Processing	Mrs.M.Poonguzhali, HOD/ECE, Narasu's Sarathy College of Engineering	2014-2015
31.	Guest Lecture	Digital Signal Processing	Mr.M.Jothimani, AP/ ECE, KSRCE	2014-2015
32.	Guest Lecture	Digital Signal Processing	Mr.S.Sathishkumar HOD/EEE, Surya Engineering College	2013-2014
33.	Guest Lecture	Control Systems	Mr.S.Sathishkumar, HOD/EEE, Surya Engineering College	2012-2013
34.	Guest Lecture	Microprocessor & Microcontrollers	Mr.S.Sridharan, Sr.Lecturer, Al-Ameen Polytechnic College	2012-2013
35.	Guest Lecture	Design of Electrical Apparatus	Mr.S. Sathishkumar HOD/EEE, Surya Engineering College	2011-2012
36.	Guest Lecture	Digital Signal Processing	Mr.M. Jothimani AP/ECE, VCET	2011-2012

Department		ECE		
37.	Seminar	Seminar on latest thrust areas of Tamilnadu	Dr.Venkatasa Kumar	2015-2016
38.	Workshop	To conduct workshop on "Wavelet analysis and multire solution using MATLAB "	Mr.V.Saravanan	2015-2016
39.	Guest Lecture	To give guest lecture on Latest thrust area of tamilnadu	Dr. Venkatesakumar.S	2015-2016
40.	Guest Lecture	To give training on PCB Design	Mr.K.Arun	2015-2016
41.	Guest Lecture	To give training for communication development	Mr. Kishore T	2015-2016
42.	Guest Lecture	To give training for personality development	Mr. Vimal kumar.C	2015-2016
43.	workshop	To conduct workshop on "Emerging trends in Embedded system "	Mr.S.Amarnath	2015-2016
44.	Guest Lecture	Discuss about Entrepreneurship	Mr. K.Aravind	2015-2016
45.	Faculty Development Programme	To Conduct "Faculty Development Programme"	Dr.P.S.Periasamy	2015-2016
46.	Guest Lecture	Program	Mr. S.Karthikeyan	2015-2016
47.	Seminar	Seminar on latest thrust areas of Tamilnadu	Dr.Venkatasa Kumar	2015-2016
48.	Workshop	Workshop on Microprocessors and interfaces	Dr.R.Vijayabhasker	2015-2016
49.	Workshop	Workshop on Spartan FPGA	Dr.R.Vijayabhasker	2014-2015
50.	Workshop	Hands of workshop on PIC16F877	Mr.Mohammed Ismail	2014-2015
51.	Seminar	Seminar on Green Electronics	Mr.Nandha Kumar	2013-2014
52.	Workshop	Workshop on DSP Processor TMS320CS50	Mr.G.Rajesh Babu	2013-2014

Department			Mech	
53.	Guest Lecture	Placement And Communication Skill Development Programme	Mr.S.Anand, Smart Training Resourse PVT Limited, CHENNAI.	2015-2016
54.	Awareness Program	Awareness Program On First Aid On Emergency	Dr.D.Shanmugasundaram RTD. Medical Officer, government Hospital, Erode	2015-2016
55.	Guest Lecture	Guest Lecture On Expectation For Production Industry	Mr. K.Mohammed Yusuf, Quality Inspector, Sidco Industry Estate, Erode	2015-2016
56.	Seminar	Seminar on Programme on “Recent Trend in Quality”	Mr.P.M.Ragu Manager, Quality control, Agni steels Private Limited	2015-2016
57.	Awareness Program	ENTREPRENEURSHIP AWARENESS PROGRAM	MR.KKSK Rafiq Managing Director, KKSK hides Pvt Ltd, Erode	2015-2016
58.	Workshop	Workshop on “lean manufacturing”	Mr.C.Thirumoorti, Deputy General Manager, Sail, salem Steel Plant, SALEM	2015-2016
59.	Motivational Program	Entrepreneurship Motivational Program	Mr.K.Aravind Managing Director, SS Ceramix	2015-2016
60.	Association Function	Association Inaugural Function	Mr.K.Sundararaj	2014-2015
61.	Association Function	Association Inaugural Function	Mr.R.Myilsamy	2013-2014
62.	Association Function	Association Valedictory Function	Mr.I.K.Gomathi Sankar	2013-2014
63.	Association Function	Association Inaugural Function	Er.S.K.Selvanayagam	2012-2013
64.	Workshop	Industrial Robotics	Mr.S.Natarajan	2012-2013
65.	Association Function	Association Valedictory Function	Er.R.Rangasamy	2012-2013
66.	Workshops	Workshops	Mr.Kumar	2011-2012

Department			S & H	
67.	Guest Lecture	Communication Development Program	Mr.Srinivasan	2015-2016
68.	Guest Lecture	Communication Development Program	Mr.Srinivasan	2015-2016
69.	Guest Lecture	Students Development Program	Mr.Naveen Annamalai	2014-2015
70.	Guest Lecture	Special Lecture on Maths for M.E	U.Krishnamoorthy	2014-2015
71.	Guest Lecture	Special lecture on Maths for First years	M.Chandrasekaran	2014-2015
72.	Guest Lecture	Communication Development Program	Mr.Srinivasan	2013-2014
73.	Guest Lecture	Special Lecture on Maths for M.E	U.Krishnamoorthy	2013-2014
74.	Guest Lecture	Special Lecture on Maths for M.E	U.Krishnamoorthy	2012-2013

3.1.7 Provide details of prioritised research areas and the expertise available with the institution.

The institute encourages faculty to enrich their knowledge to be experts in their field of interest by providing enormous support. The numbers of experts available are listed below.

Details of research areas and expertise available

S.No.	Name of the Faculty & Designation	Department	Research (Expertise) Area
1	Dr.A.M.J.Mohammed Zubair Rahman, Principal	ECE	Data mining
2	Dr. M. Mohamed Musthafa, Vice Principal	CSE	Network
3	Dr.G.Balaji, HOD	S&H	Numerical Methods
4	Dr.Ranganathan, HOD/ PG	MECH	Hot Machining Of AIS316 Stainless Steel
5	Dr.D.Dhanasekaran, Professor	ECE	VLSI Design
6	Dr. A. Agalya, Professor	S&H	Adsorption
7	Dr. M. Prabhu, Associate Professor	S&H	Phyto chemistry
8	Dr. C. Balakrishnan, Associate Professor	S&H	Phyto chemistry
9	Dr.S.Kumar	ECE	Networking

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

- College is in the good books of excellent academic and technical service for conducting many programmes. It attracts eminent researchers to visit the campus. They interact with the faculty members and the students in order to cultivate research culture. The efforts taken by the institution in this regard are as follows.
- The institution has also signed many MoUs.
- The faculty members are encouraged to work together with eminent researchers for research activities.
- Our faculty members directly visit the industries and interact with the eminent people related to their research issues.
- The college organizes Technical symposium, Leader's talk, Guest Lectures, Seminars, sponsored programs and value added courses by inviting experts.



Prof. S.Natarajan from vinayaka mission engineering college conducted a workshop on latest trend in industries

Details of events organizes by institution

Academic Year	Name of the Event (WS/Seminar/GL / Conference Etc.	Name of the Department	Chief Guest Visited / Juries Invited
2015-2016	Alumni Association Function	CIVIL	Er. N.Saravanakumar Chief Engineer, Heaven Home Builders, Namakkal.
2015-2016	Entrepreneur Motivation Program	CIVIL	K.Anand, SS Ceramics
2015-2016	Importance of Software in Civil Engineering	CIVIL	Mr.S.Lakshmanaperumal, Assistant Engineer, Esha Builders,Covai
2015-2016	Movement for Green Revolution	CIVIL	Er. R. Kailasan Sri Sakthi Construction
2015-2016	Effluent Treatment Process	CIVIL	Dr.N.Ramesh Prof/Civil KSR CT
2015-2016	Entrepreneur Motivation Program	CIVIL	KKSK Rafiq KKSK Hides Pvt Ltd
2015-2016	Applications of Prestressed Concrete Structures	CIVIL	Er.R.Paramaguru, PG Construction
2015-2016	Effluent Treatment Process	CIVIL	Dr.N.Ramesh, KSR CT, Namakkal.
2015-2016	Guest Lecture	CIVIL	Dr.N.Ramesh, Ksr ct, Namakkal.
2014-2015	Guest Lecture	CIVIL	P.Gopalakrishnan,Gk Constrtuctions, Erode.
2014-2015	Workshop	CIVIL	Er.thiruvassagam, Ridge contraction, Erode.
2013-2014	Guest Lecture	CIVIL	Er.Devanandham, New Premier Construction, Erode.
2015-2016	Mataematical Implementation of computer application and their importance	CSE	Dr.N.karthikeyan
2015-2016	Guest Lecture	CSE	Mrs. K. Karthika
2015-2016	Workshop	CSE	SAN Technologies
2014-2015	Guest Lecture	CSE	Mr. P.K.Amarnath

2014-2015	Guest Lecture	CSE	Mr. Ahamed Ejaz Rasool
2014-2015	Workshop	CSE	SAN Technologies
2013-2014	Guest Lecture	CSE	Dr. N.Karthikeyan
2013 - 2014	Guest Lecture	CSE	Mr. S. Mohamed Saleem
2012-2013	Guest Lecture	CSE	Mr. S. Vasanth
2015-2016	Placement Training Program	EEE	A.Anbuselvan, Smart Training, Chennai
2015-2016	Placement Training Program	EEE	B.RESHMA, Smart Training, Chennai
2015-2016	Value Added Courses – Embedded System Design & PLC Design	EEE	Md. Ismail, Southern Automation, Erode
2015-2016	Enrichment Program – Guest Lecture on Power system Operation & Control	EEE	K.Prakasam, AP/EEE KSRCE.
2015-2016	Symposium (TACTIKA – 2K15)	EEE	Dr. M. Vijayakumar ASP/ EEE, KSRCE
2015-2016	Entrepreneurship Awareness Program	EEE	S.Karthikeyan, CEO, Genuine Environ Tech.
2015-2016	Enrichment Program – Guest Lecture on Discrete Time System & Signal Processing	EEE	R. Jothimani, AP/ECE, KSRCE
2015-2016	Entrepreneurship Motivation Program	EEE	S.Anand Kumar, MD, Amman Distributors.
2015-2016	Alumni Association	EEE	M.Kalaiselvam, Supervisor, Videocon Pvt. Ltd. Madurai.
2014-2015	Guest Lecture	EEE	Mr.S.Sridharan, Sr.Lecturer, Al-Ameen Polytechnic
2014-2015	Guest Lecture	EEE	Mrs.M.Poonguzhali, HOD/ECE Narasu's Sarathy college of Engineering
2014-2015	Guest Lecture	EEE	Mr.R.Jothimani, AP/ ECE, KSRCE
2013-2014	Guest Lecture	EEE	Mr.S.Sathishkumar, HOD/EEE, Surya Engineering College

2012-2013	Guest Lecture	EEE	Mr.S.Sathishkumar, HOD/EEE, Surya Engineering College
2012-2013	Guest Lecture	EEE	Mr.S.Sridharan, Sr.Lecturer, Al-Ameen Polytechnic
2011-2012	Guest Lecture	EEE	Mr.S. Sathishkumar, HOD/EEE, Surya Engineering College
2011-2012	Guest Lecture	EEE	Mr.R. Jothimani AP/ECE, VCET
2015-2016	To conduct workshop on "Wavelet analysis and multire solution using MATLAB "	ECE	Mr.V.Saravanan
2015-2016	To give guest lecture on Latest thrust area of tamilnadu	ECE	Dr. Venkatesakumar.S
2015-2016	To give training on PCB Design	ECE	Mr.K.Arun
2015-2016	To give training for communication development	ECE	Mr. kishore T
2015-2016	To give training for personality development	ECE	Mr. Vimal kumar.C
2015-2016	To conduct workshop on "Emerging trends in Embedded system "	ECE	Mr.S.Amarnath
2015-2016	Discuss about Entrepreneurship	ECE	Mr. K.Aravind
2015-2016	To Conduct "Faculty Development Programme"	ECE	Dr.P.S.Periasamy
2015-2016	Program	ECE	Mr. S.Karthikeyan
2015-2016	Seminar on Latest Thrust areas of Tamilnadu	ECE	Dr.Venkatasa Kumar
2014-2015	workshop	ECE	Mr.Mohammed Ismail
2013-2014	Seminar	ECE	Mr.Nandha Kumar

2013-2014	Workshop	ECE	Mr.G.Rajesh Babu
2015-2016	Placement And Communication Skill Development Programme	MECH	Mr.S.Anand, Smart Training Resource PVT Limited, CHENNAI.
2015-2016	Value Added Course “PRO E”	MECH	Mr. Jaffer Sathick C-Cube technologies, ERODE.
2015-2016	Value Added Course “ANSYS 15”	MECH	Mr. Jaffer Sathick C-Cube technologies, ERODE.
2015-2016	Awareness Program On First Aid On Emergency	MECH	Dr.D.Shanmugasundaram RTD. Medical Officer, government Hospital, Erode
2015-2016	Guest Lecturer On Expectation For Production Industry	MECH	Mr. K.Mohammed Yusuf, Quality Inspector Sidco Industry Estate, Erode
2015-2016	Seminar on Programme on “Recent Trend in Quality”	MECH	Mr.P.M.Ragu Manager, Quality control, Agni steels Private Limited
2015-2016	Entrepreneurship Awareness Program	MECH	MR.KKSK Rafiq Managing Director, KKSK hides Pvt Ltd, Erode
2015-2016	Value Added Course “AUTO CAD 2015”	MECH	Mr. Jaffer Sathick C-Cube technologies, ERODE.
2015-2016	Workshop on “lean manufacturing”	MECH	MR.C.Thirumoorti, Deputy General Manager, Sail, salem Steel Plant, SALEM
2015-2016	Entrepreneurship Motivational Program	MECH	MR.K.Aravind Managing Director, SS Ceramix
2012-2013	Workshop	MECH	Mr.S.Natarajan

2012-2013	Association Function	MECH	Er.R.Rangasamy
2011-2012	Workshops	MECH	Mr.Kumar
2015-2016	Guest Lecture	S&H	Mr.Srinivasan
2014-2015	Guest Lecture	S&H	Mr.Naveen Annamalai
2014-2015	Guest Lecture	S&H	U.Krishnamoorthy
2014-2015	Guest Lecture	S&H	M.Chandrasekaran
2013-2014	Guest Lecture	S&H	Mr.Srinivasan
2013-2014	Guest Lecture	S&H	U.Krishnamoorthy
2012-2013	Guest Lecture	S&H	U.Krishnamoorthy

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 Sabbatical Leave opportunity is available in the institution. Dr. A. Agalya, Professor/ Chemistry and Mrs. K. Sundareswari, AP/ Maths has availed a special leave for 2 years to pursue research. Reduced teaching load and special leave On duty are given to 18% of faculty members for research activities. These faculty members have published many research papers in reputed journals and conferences contributing to further research and societal development.

3.10 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)

- Every academic year, all the departments conduct various national level seminars and conferences where eminent researchers in specific area of research are invited for sharing their ideas and experiences. The departments also conduct hands on training, workshop and project exhibitions to demonstrate the new innovative ideas.
- The awareness about the latest research available at the institution level is shared among the students and faculty through research committee.

- Apart from imparting knowledge from text books, the teaching –learning activity is made more practical by giving assignments on various research topics.
- The students are motivated in reading journals and technical papers and it has kindled their creative thinking process in all spheres.
- The research findings in general generate content/domain knowledge which will be useful to the teaching and learning community. They lead to superior performance.
- The cost cutting or energy efficient measures in the projects or module designed exhibited by students enable the buying community, especially the rural public to make use of them.
- Research results in constructing ideas which are popularized through ideation festival and those ideas are marketed in order to improve the economy of the region of the nation.

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.

Approximately 2 –3 % of the total budget is earmarked for the research. This budget is used for the purchase of latest equipment, laboratory consumables, software, library books, magazines, back volumes, CD / DVDs, National and International journals / e-journals. The Management supports individual research projects with financial assistance.

- Upgrading of Laboratories
- FDP, Seminar, Conference, Workshop, Travel allowance& Others
- Books, Journals and Advanced software.

Expenditure, financial Allocation and utilization

Academic Year	Name of the Event	Budget Alloted in Rs Lakhs	Budget Utilized In Rs.(Lakhs)	Percentage Of Utilization
2015-2016	FDP, Seminar, Conference, Workshop, Travel allowance& Others	3	2.14	71%
2014-2015	FDP, Seminar, Conference, Workshop, Travel allowance& Others	6	5.80	97%

2013-2014	FDP, Seminar, Conference, Workshop, Travel allowance & Others	2.5	2.27	91%
2012-2013	FDP, Seminar, Conference, Workshop, Travel allowance & Others	3	2.46	82%

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 the facility in the last four years?

Yes. There is a provision in the institution to provide seed money to the faculty for research. This seed money can be used to initiate the research activities or to purchase equipment. Departments submit the proposals and the research committee recommends to the top management for sanctioning of funds.

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

Institution provides finance provisions to the students to carry out the research activities and extends support. Students are provided with seed money through their department funds for their research activity.

The following are the provisions made available to support the student's research projects:

- The institution motivates the students to take over the projects in the thrust areas.
- Laboratory equipment and digital library provisions are made available beyond the working
- Hours to carry out the research.
- Students are encouraged to submit research proposal under student project scheme to external funding agencies on the topic of their project work
- In the Department level, interested students will be assigned to one senior faculty and proper guidance will be provided to convert their innovative ideas into project proposal and encouraged for submission to funding agencies for financial assistance.

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

The college has a Research council which comprises of subject experts from various departments and the committee monitors all the research activities. It meets every month to discuss the leading edge research topics in full length with other members for mutual benefits. Faculty members who are interested to attend the seminars and interact with the eminent researchers/ scholars for further knowledge on their needs are encouraged. Senior Professors help the researchers in case of any issues/ need of knowledge and skill from other disciplines.

The recognized supervisors of the university from the institution interact with the scholars and steer the scholars to perform their research in inter-disciplinary area.

Details of inter-disciplinary research activities

Sl. No	Name And Department Of The Supervisor	Name And Department Of The Scholar / Student	Area Of Specialization
1.	O. Cyril Mathew, AP/ECE	A.M. Abdul Jabbar-Mech	Automation Using Sensor Actuator
		N.Mohammed Ashik-Mech	
2.	G.E.Mohammed Musthafa, AP / ECE	E. Barani , IV Eee (2011-2015)	Zig-Bee

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 facilities and lab equipments of all departments are kept open to all the students/faculty of other departments. Access to equipments is provided on interdepartmental requirements. This is monitored by a staff member. The institution ensures that the maximum utilization of various equipments and facilities through maintaining the following,

- Utilization of laboratory equipment by the faculty and students after entering in the laboratory register.

- Central Library has well stacked books, reference books, journals, e-journals, back volumes and magazines which are used for research purpose with proper ID registration.
- Availability of Wi-Fi inside the campus

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, the institution received the following grants.



Faculty Development Programme on current trends

Details of special grants received from various funding agencies

S.No	Academic Year	Name of the Coordinator	Name of the event	Funding agency	Grant Received in Rupees
1.	2011-2012	J.Raffiea Baseri HOD/S&H	Staff Development Programme	AICTE	RS.7,00,000
2	2011-2012	Dr.A.M.J.Mohammed Zubair Rahman,	Staff Development Programme	AICTE	RS.7,00,000

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

The Institution encourages faculty members to submit research proposals to various funding agencies and recommends the proposal after due scrutiny by the research committee. On-going and completed projects and grants received during the last three years

Details Ongoing and completed projects and grants received during the last four years

Duration Year From To	Nature of Work	Name of the funding agency	Total Grant	
			Sanctioned	Received
2015-2016	cube compressive strength	M/s Scs Builders	Rs.9000	Rs.9000
2014-2015	Structural detailing and Estimating	M/s Erode Infra-structures	Rs. 1,15,000	Rs. 1,15,000
2013-2014	Elevation Work	M/s SCS Builders	Rs. 80,000	Rs. 80,000
2012-2013	Building Plan and estimating	M/s M. Asaithambi, Contractor	Rs. 70,000	Rs. 70,000
2012-2013	Installation	M/s Indonet Browsing Centre	Rs. 5000	Rs. 5000
2012-2013	Installation & Networking	M/s Indonet Browsing Centre	Rs. 8000	Rs. 8000
2012-2013	Software For Purchase And Sales	M/s Hidel Power Systems	Rs.125000	Rs.125000
2012-2013	Sales And Service Software	M/s A-Team Computers	Rs.175000	Rs.175000
2013-2014	Software For Inventory	M/s Subiksha Computers	Rs.102000	Rs.102000
2013-2014	Trouble Shooting in networking & systems	M/s Indonet Browsing Centre	Rs. 3000	Rs. 3000
2013-2014	Printer Refilling toner	M/s Universal Xerox	Rs. 3000	Rs. 3000
2014-2015	Website Creation	M/s Spik Solution	Rs.105000	Rs.105000
2014-2015	Software For Stock Maintenance & Billing	M/s Genuine Computers	Rs.112000	Rs.112000
2014-2015	Printer Servicing	M/s Universal Xerox	Rs. 5000	Rs. 5000

2015-2016	C,C++	M/s SAN Technologies	Rs. 7000	Rs. 7000
2015-2016	Website Designing	M/s Byzero Technologies	Rs.75000	Rs.75000
2015-2016	Networking	M/s Sp Communications	Rs.110000	Rs.110000
2012-2013	Electrical Wiring Accessories Erection and Installation Work	M/s Vamee Electricals Private Limited	Rs. 30000	Rs. 30000
2013-2014	Energy Auditing and Conservation Work	M/s Premier Power Line Private Limited	Rs. 23000	Rs. 23000
2013-2014	Energy Auditing and Conservation Work	M/s Megatronics Private Limited	Rs. 45000	Rs. 45000
2014-2015	Industrial Automation Trouble-Shooting Process	M/s Ovynec Electronic Private Limited	Rs. 55000	Rs. 55000
2014-2015	Design And Development of Low Cost Microcontroller Based Interface	M/s Vamee Electricals Private Limited	Rs. 25000	Rs. 25000
2014-2015	Short Term Training Program in E-CADD Designing	M/s Axis Global Automation Private Limited	Rs. 18000	Rs. 18000
2014-2015	Training in E-CADD Designing	M/s Premier Power Line Private Limited	Rs. 25000	Rs. 25000
2015-2016	M/s Ovynec Electronic Private Limited	M/s Training in PCB Fabrication	20,000	20,000
2012-2013	Mobile Service	M/s The Chennai Mobiles	Service Motto	Service Motto
2012-2013	Home Security System	M/s Southern Automation and Industrial Training Services Private Limited	Rs.55,000	Rs.55,000
2012-2013	LED Lighting Solution	M/s Spark Tech	Rs.60,000	Rs.60,000
2013-2014	TV Service	M/s Murugan Electrical	Service Motto	Service Motto
2013-2014	Water Level Controller	M/s Sirius Techno Solution	Rs.35,000	Rs.35,000

2013-2014	GPS Private Navigation System	M/s Spark Tech	Rs.70,000	Rs.70,000
2013-2014	Wireless Tank Monitoring System	M/s Southern Automation and Industrial Training Services Private Limited	Rs.40,000	Rs.40,000
2014-2015	Mobile Service	M/s Universal Mobiles	Service Motto	Service Motto
2014-2015	Solar LED Lamps	M/s Spark Tech	Rs.50,000	Rs.50,000
2014-2015	Auto Logger	M/s Southern Automation and Industrial Training Services Private Limited	Rs.1,50,000	Rs.1,50,000
2014-2015	Wireless Security System	M/s Sirius Techno Solution	Rs.1,25,000	Rs.1,25,000
2015-2016	TV Service	M/s Thamirabarani Electronics	Rs.12,500	Rs.12,500
2012-2013	Erection & commissioning of water atomised copper powder plant	M/s. Patel brass works Rajkot, Gujarat	Rs. 1.1Lakh	Rs. 1.1Lakh
2012-2013	Erection & commissioning of water atomised copper powder plant	M/s. Patel brass works Rajkot, Gujarat	Rs. 1.25Lakh	Rs. 1.25Lakh
2012-2013	Modelling of vegetable dryer	M/s Arrow creative academic, Erode	Rs.5,000	Rs.5,000
2013-2014	Design and analysis of disc braking system	M/s Arrow creative academic, Erode	Rs.10,000	Rs.10,000
2014-2015	Design Modification And Fabrication Of Steam Turbine	M/s Prabha Engineering Corporation, Coimbatore	Rs1.1Lakh	Rs1.1Lakh
2015-2016	Design and analysis on emission control using catalytic coated combustion chamber of single cylinder four stroke SI engine	M/s. C Cube Technologies, Erode	Rs.20,000	Rs.20,000
2015-2016	Modelling and analysis of metallic sintered spur gear	M/s. C Cube Technologies, Erode	Rs.25,000	Rs.25,000

3.3 Research Facilities

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

The Management has developed state of art facilities for the benefit of students faculty members and research scholars within the campus.

The following facilities available to carryout research by the students and research

Scholars;

- The research centers have the research laboratories with required software and tools as applicable.
- Research seminars are organized periodically by R&D Cell.
- Computer with Internet and Wi-Fi facility is available.

The lists of major equipments available in the various departments are given below

Details of Equipment / Research Facilities available in each department

Sl.No	Name of the Department	Name of the Laboratory	Facilities Available in the Department
1	Civil	Surveying Practical-I	<ul style="list-style-type: none"> • To find topographical survey • To determine the two pt problem & three pt problem .by plane table survey • To determine the horizontal angle, latitude & longitude • To determine the height of bldg. • To evaluate the reduced levels of different location
2	Civil	Computer aided Building drawing	<ul style="list-style-type: none"> • To draft the plan, section & elevation of load bearing structures & framed structures • To draft model building
3	Civil	Strength of Material Lab	<ul style="list-style-type: none"> • To find hardness of material • To find ductile tensile property of material • To determine the consistency, initial & final setting of cement • To find toughness of material • To find deflection of beam

4	Civil	Hydraulic Engineering Laboratory	<ul style="list-style-type: none"> To find major & minor losses To find flow properties of liquid To determine efficiency of pump & turbine To find coefficient of discharge
5	Civil	Surveying Practical-II	<ul style="list-style-type: none"> To find topographical survey To determine the two pt problem & three pt problem .by plane table survey To determine the horizontal angle, latitude & longitude To determine the height of bldg. To evaluate the reduced levels of different location.
6	Civil	Concrete and Highway Engineering Lab	<ul style="list-style-type: none"> To find out strength of fresh & hardened concrete To find out abrasion, impact of aggregate To find out ductile properties of bitumen
7	Civil	Soil Mechanics Laboratory	<ul style="list-style-type: none"> To determine the particle size distribution of soil. To determine the atter berg limits of soil plasticity index, toughness index of soil. To find optimum moisture content of soil To find the consolidation of soil To find relative density of soil
8	Civil	Environmental and irrigation Engineering Drawing	<ul style="list-style-type: none"> Design and practices of irrigation structure
9	Civil	Environmental Engineering Laboratory	<ul style="list-style-type: none"> To determine the physical & chemical properties of water. To find Bod & Cod values of sewage water. To find total; solids
10	Civil	Survey Camp	<ul style="list-style-type: none"> Measure the area of land in field practices
11	Civil	Computer aided Design and Drafting Laboratory	<ul style="list-style-type: none"> To draft model bldg To analyses & design of various structural element
12	Civil	Computer aided Design and Drafting Laboratory	<ul style="list-style-type: none"> To draft model bldg To analyses & design of various structural element

13	Civil	Surveying Practical-I	<ul style="list-style-type: none"> To find topographical survey To determine the two pt problem & three pt problem .by plane table survey To determine the horizontal angle, latitude & longitude To determine the height of bldg. To evaluate the reduced levels of different location
14	Civil	Computer aided Building drawing	<ul style="list-style-type: none"> To draft the plan, section & elevation of load bearing structures & framed structures To draft model building
15	CSE	CS6212 & Programming and Data Structures Laboratory I	<ul style="list-style-type: none"> Be familiar with c programming. Be exposed to implementing abstract data types. Learn to use files. Learn to implement sorting and searching algorithms.
16	CSE	CS6311 & Programming and Data Structure Laboratory II	<ul style="list-style-type: none"> Be familiarized with good programming design methods, particularly Top- Down design. Getting exposure in implementing the different data structures using C++. Appreciate recursive algorithms.
17	CSE	CS6312 & Database Management Systems Laboratory	<ul style="list-style-type: none"> Learn to create and use a database. Be familiarized with a query language. Have hands on experience on DDL Commands. Have a good understanding of DML Commands and DCL commands. Familiarize advanced SQL queries. Be exposed to different applications.
18	CSE	CS6411 & Networks Laboratory	<ul style="list-style-type: none"> Learn socket programming. Be familiar with simulation tools. Have hands on experience on various networking protocols.
19	CSE	CS6413 & Operating Systems Laboratory	<ul style="list-style-type: none"> Learn shell programming and the use of filters in the UNIX environment. Be exposed to programming in C using system calls.

			<ul style="list-style-type: none"> • Learn to use the file system related system calls. • Be exposed to process creation and inter process communication. • Be familiar with implementation of CPU Scheduling Algorithms, page replacement algorithms and Deadlock avoidance.
20	CSE	CS6511 & Case Tools Laboratory	<ul style="list-style-type: none"> • Learn the basics of OO analysis and design skills. • Be exposed to the UML design diagrams. • Learn to map design to code. • Be familiar with the various testing techniques.
21	CSE	CS6512 & Internet Programming Laboratory	<ul style="list-style-type: none"> • Be familiar with Web page design using HTML/XML and style sheets • Be exposed to creation of user interfaces using Java frames and applets. • Learn to create dynamic web pages using server side scripting. • Learn to write Client Server applications. • Be familiar with the frameworks JSP Struts, Hibernate, Spring. • Be exposed to creating applications with AJAX.
22	CSE	CS6513 & Computer Graphics Laboratory	<ul style="list-style-type: none"> • Understand graphics programming • Be exposed to creation of 3D graphical scenes using open graphics library suits. • Be familiar with image manipulation, enhancement. • Learn to create animations. • To create a multimedia presentation/Game/Project.
23	CSE	CS6611 & Mobile Application Development Laboratory	<ul style="list-style-type: none"> • Know the components and structure of mobile application development frameworks for Android and Windows OS based mobiles. • Understand how to work with various mobile application development frameworks. • Learn the basic and important

			<p>design concepts and issues of development of mobile applications.</p> <ul style="list-style-type: none"> • Understand the capabilities and limitations of mobile devices.
24	CSE	CS6612 & Compiler Laboratory	<ul style="list-style-type: none"> • Be exposed to compiler writing tools. • Learn to implement the different Phases of compiler. • Be familiar with control flow and data flow analysis. • Learn simple optimization techniques.
25	CSE	CS6711 & Security Laboratory	<ul style="list-style-type: none"> • Be exposed to the different cipher techniques. • Learn to implement the algorithms DES, RSA, MD5, SHA-1. • Learn to use network security tools like GnuPG, KF sensor, Net Strumbler.
26	CSE	CS6712 & Grid and Cloud Computing Laboratory	<ul style="list-style-type: none"> • Be exposed to tool kits for grid and cloud environment. • Be familiar with developing web services/Applications in grid framework • Learn to run virtual machines of different configuration. • Learn to use Hadoop.
27	CSE	CS6811 & Project Work	To develop the ability to solve a specific problem right from its identification and literature review till the successful solution of the same. To train the students in preparing project reports and to face reviews and viva voce examination.
28	EEE	Power Electronics	To provide hands on experience with power electronic converter design and testing
29	EEE	Control System & Instrumentation	To provide knowledge on analysis and design of control system along with basics of instrumentation
30	EEE	Measurement & Instrumentation	To train the students in the measurement of displacement, resistance. Inductance, torque and angle etc., and to give exposure to AC, DC bridges and transient measurement.

31	EEE	Engineering Practice	To provide exposure to the students with hands on experience on various basic engineering Practices in Civil, Mechanical, Electrical and Electronics Engineering.
32	EEE	Electrical Machines-1	To expose the students to the operation of D.C. machines and transformers and give them experimental skill.
33	EEE	Electrical Machines-2	To expose the students to the operation of synchronous machines and induction motors and give them experimental skill.
34	EEE	Power System Simulation Lab	To provide better understanding of power system analysis through digital simulation
35	EEE	Electrical Engineering (MECH)	To validate the principles studied in theory by performing experiments in the laboratory
36	EEE	Electrical Engineering & Control System (ECE)	To provide hands on experience with generators and motors. To Understand the working of DC/AC motors and generators To study the characteristics of transducers To learn the use of transformer To understand the behavior of linear system through simulation To gain knowledge of controllers
37	EEE	Electric Circuits Laboratory	To provide practical experience with simulation of electrical circuits and verifying circuit theorems.
38	ECE	Digital Signal Processing Laboratory	To communicate between two desktop computers To implement the different protocols To learn the fundamental principles of VLSI circuit design in digital and analog domain Import the logic modules into FPGA Boards
39	ECE	Optical & Microwave Laboratory	Used to Analyse the radiation of pattern of antenna Used to generate microwave power and to analyse its characteristics Develops understanding of simple optical communication link Analyze the performance of simple optical link

40	ECE	Integration Circuit & Micro Processor Laboratory	Interface different I/Os with processor A/D and D/A interface and Waveform Generation To learn design, testing and characterizing of circuit behaviour with digital ICs
41	ECE	Electronics Drive & Control Laboratory	To observe the waveforms of designed analog circuits using either transistors or analog ICs Used to generate the different waveform depends on the requirement Used to design amplifiers, multivibrators and oscillators
42	MECH	Engineering Practices Laboratory	To provide exposure to the students with hands on experience on various basic engineering practices in Civil, Mechanical, Electrical and Electronics Engineering
43	MECH	Computer Aided Machine Drawing Lab	To develop skill to use software to create 2D and 3D models
44	MECH	Manufacturing Technology Lab – I	To gain hands on experience on working of general purpose machine tools and on Various manufacturing processes.
45	MECH	Manufacturing Technology Lab - II	To give a practical hands on exposure to students in the various metal cutting operations using commonly used machine tools
46	MECH	Thermal Engineering Laboratory – I	<ul style="list-style-type: none"> To study the valve timing V diagram and performance of IC Engines To Study the characteristics of fuels/Lubricants used in IC Engines To study the Performance of steam generator/ turbine
47	MECH	Dynamics Laboratory	To understand how certain measuring devices are used for dynamic testing.
48	MECH	Metrology and Measurement Laboratory	To provide knowledge on various Metrological equipments available to measure the dimension of the components
49	MECH	CAD / CAM Laboratory	<ul style="list-style-type: none"> To be able to understand and handle design problems in a systematic manner To understand the concepts G and M codes and manual part programming

50	MECH	Thermal Engineering Laboratory - II	To study the heat transfer phenomena predict the relevant coefficient using Instrumentation To study the performance of refrigeration cycle / components
51	MECH	Computer Aided Simulation and Analysis Laboratory	To expose the students to different applications of simulation and analysis tools.
52	MECH	Mechatronics Laboratory	To know the method of programming the microprocessor and also the design, modeling & analysis of basic electrical, hydraulic & pneumatic Systems which enable the students to understand the concept of mechatronics.
53	S&H	Physics and Chemistry Laboratory - I	To introduce different experiments to test basic understanding of physics concepts applied in optics, thermal physics and properties of matter. To make the student to acquire practical skills in the determination of water quality parameters through volumetric and instrumental analysis. To acquaint the students with the determination of molecular weight of a polymer by vacometry.
54	S&H	Physics and Chemistry Laboratory - II	To introduce different experiments to test basic understanding of physics concepts applied in optics, thermal physics and properties of matter. To make the student to acquire practical skills in the determination of water quality parameters through volumetric and instrumental analysis. To acquaint the students with the determination of molecular weight of a polymer by vacometry.
55	S&H	Communication and Soft Skills Laboratory	To enable learners to develop their communicative competence. To facilitate them to hone their soft skills. To equip them with employability skills to enhance their prospect of placements.



Our mechanical students carried their practical session in Manufacturing Technology lab

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?

In line with the curriculum requirement issued by the affiliating University i.e. Anna University, Chennai, the basic infrastructure is available for both under graduate and post graduate courses and the list of such equipment has already been mentioned in section 3.3.1

The strategy of the college is to encourage faculty members to apply for financial assistance from the government and other funding agencies which would help to improve the existing infrastructure. Also every year the institution allocates a part of the budget to upgrade the infrastructural facility.

With a view to promote research in newly emerging and challenging areas of Engineering, Technology, Science and Humanities including multidisciplinary fields, the institution has structured strategies for planning, upgrading and creating infrastructural facilities. They are listed below.

- Guide the faculty members and students to undertake the research in newly emerging confined areas.
- Motivate the researchers for R & D activities in the area of their specialization.
- Laboratories with updated research oriented facilities.
- Qualified and experienced members of faculty.
- Both internal and external funding for conducting research and organizing workshop / seminar / conference from various agencies

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.

The college is taking all efforts to apply for sponsored projects in order to buy new instruments and extend research facilities. The college has signed MOUs with many industries for promoting training and research skills in technical education. The following is the list of the collaborations.

Details of list of the collaborations

Sl.No	Name of Department	MOUs	Duration
1.	CIVIL	M/s CPLR Institute, Erode.	2013-2014
2.	CIVIL	M/s Ridge Construction, Erode.	2013-2014
3.	CIVIL	M/s Scs Builders	2015-2017
4.	CSE	M/s By zero Technologies	2016-2017
5.	CSE	M/s Sp Internet Technologies	2016-2017
6.	CSE	M/s Avatar Academy	2015-2016
7.	CSE	M/s Spik Solutions	2015-2016
8.	CSE	M/s SAN Technologies	2014-2015
9.	EEE	M/s Spark Tech	2016-2025

10.	EEE	M/s Axis Global Automation	2013-2014
11.	EEE	M/s Vam Electra Enterprises	2013-2014
12.	EEE	M/s Spark Tech , Erode	2014-2015
13.	EEE	M/s Sirus Technologies, Coimbatore	2014-2015
14.	EEE	M/s Embuzz Technologies, Madurai	2015-2016
15.	EEE	M/s Megatronics	2015-2016
16.	EEE	M/s Southern Automation	2016-2017
17.	ECE	M/s Spark Tech	2016-2025
18.	ECE	M/s Embuzz Technologies	2015-2016
19.	ECE	M/s Southern Automation	2014-2015
20.	ECE	M/s Saveetha University	2013-2014
21.	ECE	M/s Vi Micro Systems	2012-2013
22.	MECH	M/s Prabha Engineering Corporation Coimbatore	2015-2016
23.	MECH	M/S El Mc Sam Lab Equipments MFRS	2014-2015
24.	MECH	M/S C cube Institution	2013-2014
25.	MECH	M/S C cube Institution	2012-2013
26.	S&H	M/S Milton English Academy	2015-2016
27.	S&H	M/S Voice Training Solutions	2014-2015
28.	S&H	M/S APTECH Spoken English	2013-2014
29.	S&H	M/S APTECH Spoken English	2012-2013
30.	S&H	M/S Smart Training	2011-2012

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

Some of the facilities made available to the students and research scholars outside the campus are listed below.

- UG students are always encouraged to do their project work at Research organizations and industries.
- Research scholars whose supervisors are in other institutions are allowed to avail the research facilities available in that institution.
- The MoUs signed adds beneficiary to the faculty members and the students by accessing facilities of those Industries and Research Institutes for carrying out their projects.
- Faculty members registered for Ph.D Programmes are allowed to avail the Anna University's research facilities.

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

The college has an information resource centers (library, digital library) to provide the needs of researchers. The facilities are:

- A central library and every department have a departmental library, all of which are well stacked with books and journals on state of the art technologies and new frontiers of research. Books are regularly procured for the libraries and e-journals are subscribed regularly.
- It is computerized by automating the issue of books with bar code reader. The librarians are qualified and updated in the maintenance of library.
- It has got a book bank for deserving poor students.
- It has got internet connection and a CD-ROM Collection. Online versions of books and journals are also available.

Details of library resources

SL.NO	Academic Year	Quantity in numbers			
		Text Book	Journals	Magazines	e-resources
1.	2015-2016	14341	81	10	349
2.	2014-2015	11523	84	13	410
3.	2013-2014	9641	79	09	367
4.	2012-2013	7496	67	14	359

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

Efforts are being made to create collaborative research facilities in the college campus. The following infrastructure exists in the college, which can be utilized effectively by the faculty and students from time to time. The college takes necessary steps to establish collaborative research works with various other laboratories and institutions.

- All the Laboratories,
- Library and e-Library,
- Computers

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)

Patents obtained and filed

Name of the Applicant	Innovation	Date and Year
Nil		

Original research contributing to product improvement

Nil

Research studies or surveys benefiting the community or improving the services

Nil

Research inputs contributing to new initiatives and social development

Nil

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?

Yes, the institution encourages all the departments to organise many conferences and it selects the best papers and publishes as a special issue of the peer reviewed research journals. The details of special issues published by various departments are mentioned as follows:

Details of faculty members as conveners in national Conference and members in editorial boards

SL.NO	Organizing Committee	Advisory Committee
1.	Chief Patron-Alhaj.A.K. Jaffarullah, Secretary & Correspondent	Dr.P.D.D Dominic , Professor University Teknologi, Malayasia
2.	Patron -Alhaj.Dr.K.A.S. Amanullah President,	Dr. XIAO-ZHI GAO Professor ,Finland
3.	Co-patron- Dr.A.M.J.Mohammed Zubair Rahman , Principal	Dr.seyed M.buhari, Professor, King Abdul Aziz Univesity, Saudi Arabia
4.	Organizing Secretary- Prof .S.Kumar HOD/ECE	Dr.Dilip Mali, Professor, Mekelle University, Ethiopia
5.	Organizing Chair Dr. M.Mohamed Mushafa, Vice- Principal Prof .N.Rameshkumar HOD/EEE Prof .G.Thangavel HOD/MECH Prof .V,Veeraramkumar HOD/CIVIL Dr.G. Balaji HOD/ S&H Prof. B. Manivannan, HOD / CSE	-----

3.4.3 Give details of publications by the faculty and students:**Publication per faculty**

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

- Monographs
- Chapter in Books
- Books Edited
- Books with ISBN/ISSN numbers with details of publishers
- Citation Index
- SNIP
- SJR
- Impact factor
- h-index

Details of Publication by the faculty members

Sl.No	Academic	Number Of Papers Published			
		International Journals	National Journals	Conference	Book
1	2015-2016	62	0	52	4
2	2014-2015	54	15	39	6
3	2013-2014	18	20	18	3
4	2012-2013	10	10	23	1

3.4.4 Provide details (if any) of research awards received by the faculty

The following are the researchers who are awarded as best researchers.

S.No	Name of the Researchers	Designation
1	Dr. A.M.J. Md. Zubair Rahman	Principal
2	Dr. M. Mohamed Musthafa	Vice- Principal
3	Dr. G. Balaji	HOD / S&H
4	Mr. N. Ramesh Kumar	HOD / EEE
5	Mr. O. Cyril Mathew	AP / ECE
6	Mrs. K. Vanitha	AP / CSE

Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

Our Principal Dr. A.M.J. Md. Zubair Rahman has participated and delivered an oral presentation on paper entitled “**A comprehensive Survey on Education Data Mining and Use of Data Mining Techniques for Improving and Predicting Student Performance**”, in the international conference on “**Innovative Engineering and Technologies (ICIET '15)**” Organized by CAARS Publishers held at Bangkok, Thailand.

Incentives given to faculty for receiving state, national and international recognitions for research contributions.

For the researchers, the institution is providing Rs. 50,000 annually based on their contribution towards research

3.5 Consultancy

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

The following systems and strategies are established for better institute-industry interface,

- Industry Institution Interaction Cell of each department interacts with industry to ascertain its needs and if these needs are felt missing in the curricula, the gap is filled by hosting special classes and by providing the required teaching for the students.
- Educating the working engineers at Industries through possible interaction with our faculty members
- Inviting industry experts for our UG/PG students for guest lectures
- Providing training at our laboratories for the working Engineers at industries
- Conducting joint technical programs and events
- Besides, placement cell also interacts with the group of industries to know their requirements.
- Based on their needs, placement cell arranges to train the students.
- It encourages the students to do their project work in industries and for the students placement.
- Every Year, alumni of each department working in industries used to visit the campus and interact with their juniors about the current scenario, and make them aware of employment opportunities.
- Industry with the institute by organizing visits, guest lectures, inviting the industry personnel as chief guests, arranging faculty visits to the industry, tie-up with bodies and signing of MoUs with industries.

Details of Live of MOUs

Sl.No	Department	MOUs
1.	CIVIL	4
2.	CSE	5
3.	EEE	7
4.	ECE	7
5.	MECH	4
6.	S&H	3

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

- The college encourages the faculty members to do consultancy services to the nearby industries. Based on the expertise and experience, the faculty members are encouraged to carry out consultancy activities in industries. The details about the expertise and equipment available in each department, research facilities etc.
- Periodically the updated literature about the institution has been sent to respective companies highlighting the latest achievements including the facilities available with the department.
- The available expertise is publicized through institute brochure, institute website and also through the orientation programmes and workshops organized for the concerned in these lines.
- The technical events or programmes are held, industrial problems are solicited and solutions are sought.
- The Expert from the industries taking part in those events beneficial benefit to the faculty to redefine their teaching–learning objectives.

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

The college encourages the faculty members to maintain consultancy services in the industries. The first step of getting the consultancy is to identify experienced faculty members and their specific area of expertise.

The management encourages all the faculty members to utilize their expertise in the form of publishing research papers in journals, conferences and revenue received from various funding agencies.

The following supports are provided to carry out the consultancy services

- Adequate infrastructure and human resources.
- On Duty is given to the faculty engaged in consultancy
- Incentives are also provided to the expert faculty

The available laboratory resources are freely accessible to the faculty members for their consultancy works. For example,

- Thermal Engineering laboratory is used for testing bio fuels
- CAD lab is used for generating industrial drawings
- Soil testing lab is used for soil testing
- Energy auditing using facilities available in the EEE laboratories
- Electronics laboratory is used to design the electronic circuits
- Total station is used for surveying
- Multimedia Lab is used to design websites and developing softwares.

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

All the departments do offer consultancy services on good will as well as on chargeable basis. The following are the major areas in which the departments substantially contributed for the consultancy/ knowledge sharing.

Details of consultancy services provided by the institution

Duration Year From To	Nature of Work	Name of the funding agency	Total Grant	
			Sanctioned	Received
2015-2016	cube compressive strength	M/s Scs Builders	Rs.9000	Rs.9000
2014-2015	Structural detailing and Estimating	M/s Erode Infra-structures	Rs. 1,15,000	Rs. 1,15,000
2013-2014	Elevation Work	M/s SCS Builders	Rs. 80,000	Rs. 80,000
2012-2013	Building Plan and estimating	M/s M. Asaithambi, Contractor	Rs. 70,000	Rs. 70,000
2012-2013	Installation	M/s Indonet Browsing Centre	Rs. 5000	Rs. 5000
2012-2013	Installation & Networking	M/s Indonet Browsing Centre	Rs. 8000	Rs. 8000
2012-2013	Software For Purchase And Sales	M/s Hidel Power Systems	Rs.125000	Rs.125000
2012-2013	Sales And Service Software	M/s A-Team Computers	Rs.175000	Rs.175000
2013-2014	Software For Inventory	M/s Subiksha Computers	Rs.102000	Rs.102000
2013-2014	Trouble Shooting in networking & systems	M/s Indonet Browsing Centre	Rs. 3000	Rs. 3000
2013-2014	Printer Refilling toner	M/s Universal Xerox	Rs. 3000	Rs. 3000
2014-2015	Website Creation	M/s Spik Solution	Rs.105000	Rs.105000
2014-2015	Software For Stock Maintenance & Billing	M/s Genuine Computers	Rs.112000	Rs.112000
2014-2015	Printer Servicing	M/s Universal Xerox	Rs. 5000	Rs. 5000

2015-2016	C,C++	M/s SAN Technologies	Rs. 7000	Rs. 7000
2015-2016	Website Designing	M/s Byzero Technologies	Rs.75000	Rs.75000
2015-2016	Networking	M/s Sp Communications	Rs.110000	Rs.110000
2012-2013	Electrical Wiring Accessories Erection and Installation Work	M/s Vamee Electricals Private Limited	Rs. 30000	Rs. 30000
2013-2014	Energy Auditing and Conservation Work	M/s Premier Power Line Private Limited	Rs. 23000	Rs. 23000
2013-2014	Energy Auditing and Conservation Work	M/s Megatronics Private Limited	Rs. 45000	Rs. 45000
2014-2015	Industrial Automation Trouble-Shooting Process	M/s Ovinec Electronic Private Limited	Rs. 55000	Rs. 55000
2014-2015	Design And Development of Low Cost Microcontroller Based Interface	M/s Vamee Electricals Private Limited	Rs. 25000	Rs. 25000
2014-2015	Short Term Training Program in E-CADD Designing	M/s Axis Global Automation Private Limited	Rs. 18000	Rs. 18000
2014-2015	Training in E-CADD Designing	M/s Premier Power Line Private Limited	Rs. 25000	Rs. 25000
2015-2016	M/s Ovinec Electronic Private Limited	M/s Training in PCB Fabrication	20,000	20,000
2012-2013	Mobile Service	M/s The Chennai Mobiles	Service Motto	Service Motto
2012-2013	Home Security System	M/s Southern Automation and Industrial Training Services Private Limited	Rs.55,000	Rs.55,000
2012-2013	LED Lighting Solution	M/s Spark Tech	Rs.60,000	Rs.60,000

2013-2014	TV Service	M/s Murugan Electrical	Service Motto	Service Motto
2013-2014	Water Level Controller	M/s Sirius Techno Solution	Rs.35,000	Rs.35,000
2013-2014	GPS Private Navigation System	M/s Spark Tech	Rs.70,000	Rs.70,000
2013-2014	Wireless Tank Monitoring System	M/s Southern Automation and Industrial Training Services Private Limited	Rs.40,000	Rs.40,000
2014-2015	Mobile Service	M/s Universal Mobiles	Service Motto	Service Motto
2014-2015	Solar LED Lamps	M/s Spark Tech	Rs.50,000	Rs.50,000
2014-2015	Auto Logger	M/s Southern Automation and Industrial Training Services Private Limited	Rs.1,50,000	Rs.1,50,000
2014-2015	Wireless Security System	M/s Sirius Techno Solution	Rs.1,25,000	Rs.1,25,000
2015-2016	TV Service	M/s Thamirabarani Electronics	Rs.12,500	Rs.12,500
2012-2013	Erection & commissioning of water atomised copper powder plant	M/s. Patel brass works Rajkot, Gujarat	Rs. 1.1Lakh	Rs. 1.1Lakh
2012-2013	Erection & commissioning of water atomised copper powder plant	M/s. Patel brass works Rajkot, Gujarat	Rs. 1.25Lakh	Rs. 1.25Lakh
2012-2013	Modelling of vegetable dryer	M/s Arrow creative academic, Erode	Rs.5,000	Rs.5,000
2013-2014	Design and analysis of disc braking system	M/s Arrow creative academic, Erode	Rs.10,000	Rs.10,000
2014-2015	Design Modification And Fabrication Of Steam Turbine	M/s Prabha Engineering Corporation, Coimbatore	Rs1.1Lakh	Rs1.1Lakh

2015-2016	Design and analysis on emission control using catalytic coated combustion chamber of single cylinder four stroke SI engine	M/s. C Cube Technologies, Erode	Rs.20,000	Rs.20,000
2015-2016	Modelling and analysis of metallic sintered spur gear	M/s. C Cube Technologies, Erode	Rs.25,000	Rs.25,000

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?

- As far as possible, the institution encourages consultancy (free of cost) that benefits the surrounding rural stake holders. However, the sharing policy of the institution for the income generated through consultancy is 60:40 (staff involved: Institution)
- The Institute invests 60% of its share for the development of the research facilities.
- The faculty members get experience in the particular stream to use their expertise knowledge.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

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

To make the students to learn good values and responsibilities required for good citizenship, service orientation and holistic development, the institution develop institution-neighborhood-community network.

- The Institution not only focuses on the academic performance of students but also develops social values by engaging students in social welfare activities. It develops a spirit of togetherness among students transforms them into eminent leaders, making them as good citizens.

- Students are engaged in various nearby social activities in tribal villages and they learn about people's problems and they will help the people in future.
- The student community is being helped by implementing the government reservation schemes and offering good scholarships for both merit and economic basis. The major strength of this college is its ability to ensure holistic development of students to make them responsible citizens by teaching the moral values
- To provide quality based education to the students by inculcating moral values, scientific temper and employing state of art technologies. It aims to pursue excellence towards creating students with high degree of intellectual, professional and cultural development to meet the national and global challenges
 - National Voter's Day conducted by NSS students of the college.
 - Celebrating Flag Day by fund raising and collection to help Orphanages.
 - By involving students in Blood Donation Camps
 - Sports quota
 - Making the college playground available to neighboring communities and clubs on weekends/ holidays
 - Conducting the flag hoisting at national festival involving the public and college NSS Volunteers.
 - Women empowerment

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

Through class tutor, the student involvement in various social movement activities is observed and also motivated. Class tutor are the to give the required permission to students for participating in such activities and to monitor their progress continuously in such extension activities. Class tutor has to file the student achievement in such extension activities in the respective file for record purposes.

Apart from academic activities, students are also nurtured to actively Participate in various social movements/ activities by motivating them and informing them well in advance. Being a well known and reputed college in the vicinity of the city, public interact with the college with regard to various social movements/ activities such as blood donation camp, election awareness programme, women's safety awareness programme, environmental day celebration, eye donation camp etc

Through the extracurricular activities students are motivated to render their best to the society. Value education is provided to them.

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

The assessment of Institutions goals, objectives and growth, the institution arranges seminars, value added courses, workshops, awareness programmes, education fairs, career guidance programmes, symposium, training programs, entrepreneur development cell, course for communication skills in English Language, Personality Development Programmes and newspaper daily with emphasis upon producing students as quality products.

The institute has evolved a stakeholder's webby forming different platform like Research Committee, Alumni, Club with a fair representation of students.

Institute is highly concerned with its stakeholder's students, parents, staff, and alumni.

The feedback received from alumni, parent-teacher meeting another stakeholder on the different programmes undertaken by the institution, provide adequate material for the assessment of the quality of the performance of the institution.

Parent-Teachers meetings are regularly conducted to convey the academic performance and progress of their wards. Periodically performance reports are sent to the parents through post. The goals and objectives of the college are prominently displayed in the Information.

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.

Every year the institution has planned and organizing several outreach programmes which is directly associated with student's academic, social relationship, cultural, community services and moral values. The management is good enough to sponsor the budget requirement. The major extension and outreach programmes and their impact on the overall development of students by various clubs are given below.

Budgetary/Expenditure details for the last three years

Academic Year	Budget (Rs. LAKHS)	Expenditure (Rs.LAKHS)
2015-2016	721.00	686.89
2014-2015	660.00	653.78
2013-2014	700.00	691.35
2012-2013	750.00	767.68

Major extension and outreach programmes organized

Extension and Outreach Programmes	Beneficiary
Blood Donation Camp	Second Year Students
Eye camp	First Year Students and Parents
Science day	First Year Students and School Students
Essay writing competition	First Year Students and School Students
Workshop and Valedictory function	All Department Students
Tree plantation	All Department Students
Computer Training Programme	All Department Students

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?

The college performs various activities through, NSS, Red Ribbon Club, Rotary Club, and other forms of community development services. During induction, the coordinators of these sections will narrate students on the benefits and scope of the extension activities. The information about the proposed activities is disseminated on the college notice board, Academic calendar, circulars, and also by oral interaction /briefing by section in charges.

The students and faculty members are given On-Duty for involving themselves in social awareness programs. Participation in the extension activities is one of the important criteria for the selection for Best Out Going (BOG) student of the college and the department. In the performance evaluation of the faculty members, due weightage is given for participation in the extension activities.

3.6.6 Give details 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?

Apart from the regular academic activities, the college extends all possible support to conduct social surveys, research or extension for the benefit of the society. Also Social justice of the helpless people is empowered. The details are given below

- Students of underprivileged section scoring high marks in +2 are given with either free or concession according to their marks in the institution. Students are advised about First graduate Scholarship and fee concession for SC/ST. To increase the educational awareness of the rural based students appearing +2 and those who have completed +2, career guidance programs are arranged.
- The management provides free education to the brilliant and higher scorers of marks among students.
- The institution conducts survey on ground water level and its characteristics. The department of Civil Engineering is in the process of collecting various samples

- Several co-curricular and extracurricular clubs like NSS, Rotract Club, , Youth Red Cross, Red and Ribbon Club conduct various programmes like Education Awareness among the rural people, Blood Donation Camp, Eye Camp etc., to empower the students of the weaker sections.

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.

Our students develop the following values and skills through extension activities which complement academic learning.

- To provide knowledge and quality education to all sections of society. It aims at maintaining modern outlook with contemporary development without compromising moral values. To provide knowledge and quality based education.
- It aims at pursuing excellence towards creating manpower with high degree of intellectual, professional and cultural development to meet the national and global challenges.
- The students are inculcating and upgrading both academic learning and allied skills with values like leadership, communication, unity, respect, duty consciousness, sincerity, punctuality, honesty. Students learn to work in team mind spirit also.

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?

Institution is committed to serve the community through its outreach activities such as,

- Tree plantations were taken up to enhance the green environment in college campus
- College conducts cricket tournament to enhance students' talents.



Tree Plantation during a Programme

- Students actively participate in blood donation and eye donation camps.
- A free dispensary for the benefit of public is run by the Management in the campus.
- School note books, Geometry boxes are issued to economically weaker students
- Sapling plantations are taken up to enhance the green environment in villages.

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 forged constructive relationship with the following institution/organization to carry outreach and extension activities.

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.

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 collaborates and interacts with research laboratories, institutes and industry for research activities through interactive sessions with the experts from industries, institutes and research laboratories. The details are given below.

- The Research and Development Cell, Department Associations, Career guidance Cell, Entrepreneur Development Cell in collaboration with professional society bodies organizes seminars, workshops, symposiums, and Project Expo to create research interest.
- The college has signed MOUs with Industries and agencies to increase Industry-institute interaction.
- Publications made at the conclusion of the research have helped for the social and industrial benefits.
- MOUs with companies such as Launch Pad, Key Minds, Talent Sprint and SMART for the development of soft skills and technical skills resulted in improved placement of students in MNCs with higher salary packages.
- The institution encourages staff members pursue research projects from various funding agencies
- Conducting guest lecturers through industrial experts.
- Software training given to the industry people through faculty members.
- Arranging required industrial visits and in plant training for the students.

Details of collaborative research activities with various Research laboratories, Institutes and Industry.

Academic Year	Collaborated Research Lab/Industry / Institute	Department	Nature Of Activity	Benefits Accrued
2015-2016	M/s CPLR	CIVIL	Cad Modelling	20
2015-2016	M/s CPLR	CIVIL	Revit Modelling	30
2015-2016	M/s CPLR	CIVIL	Staad Pro	15

2014-2015	M/s CPLR	CIVIL	Cad Modelling	35
2014-2015	M/s CPLR	CIVIL	Revit Modelling	32
2014-2015	M/s CPLR	CIVIL	Staad Pro	33
2013-2014	M/s CPLR	CIVIL	Cad Modelling	35
2013-2014	M/s CPLR	CIVIL	Revit Modelling	36
2013-2014	M/s CPLR	CIVIL	Staad Pro	20
2015- 2016	M/s Avatar Academy	CSE	Networking	41
2015-2016	M/s Spik Solutions	CSE	Web Designing	41
2014-2015	M/s SAN Technologies	CSE	C, C++, Java	74
2015-2016	M/s Megatronics	EEE	Inplant Training	48
2015-2016	M/s Embuzz Technologies, Madurai	EEE	Value Added Course	48
2014-2015	M/s Spark Tech , Erode	EEE	Value Added Course	33
2014-2015	M/s Vam Electra Enterprises, Chennai	EEE	Hands on Training Program	33
2013-2014	M/s Axis Global Automation, Chennai	EEE	Industrial Visit	59
2015-2016	M/s Embuzz Technologies, Madurai	ECE	Value Added Course	34
2015-2016	M/s Megatronics, Coimbatore	ECE	Implant Training	34
2014-2015	M/s Vam Electra Enterprises, Chennai	ECE	Hands on Training Program	43
2014-2015	M/s Spark Tech , Erode	ECE	Value Added Course	43
2013-2014	M/s Axis Global Automation, Chennai	ECE	Industrial Visit	59
2015-2016	M/s Prabha Engineering Corporation Coimbatore	MECH	Student Training	125

2014-2015	M/s El Mc Sam Lab Equipments MFRS	MECH	Student Training	125
2013-2014	M/s C cube institution	MECH	Creo modelling Software	125
2012-2013	M/s C cube institution	MECH	Pro-E	125
2014-2015	M/s Voice Training Solutions	S&H	Students' Development Program	265
2013-2014	M/s APTECH Spoken English	S&H	Communication Development Program	221
2012-2013	M/s APTECH Spoken English	S&H	Communication Development Program	248
2011-2012	M/s Smart Training	S&H	Communication Skills Development training	199

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 has signed many MoUs with industries, institutes under various disciplines which impart various activities like Placement and Training, Faculty development program, training facilities, Guest lectures, Faculty exchange program and soon. The lists of organizations with which MoUs have signed are the following.

Details of MoUs / Collaborative arrangements with Universities / Industries / Corporate

Academic Year	MoUs / Collaborative arrangements with universities/industries/ corporate	Department	Nature of activity	Contribution towards institution Development
2015-2016	M/S CPLR	Civil	Cad Modelling	Gain The Software Knowledge

2015-2016	M/S RIDGE Construction, Erode	Civil	Revit Modelling	Gain The 3d Modelling Knowledge
2015-2016	M/S CPLR	Civil	Staad Pro	Gain The Design Knowledge
2015-2016	In plant Training	Civil	Chennai Port	Gain The Practical Knowledge From Industry
2015-2016	Industrial Visit	Civil	Mettur Water Treatment Plant	Gain The Practical Knowledge From Industry
2015-2016	Industrial Visit	Civil	Road Construction	Gain The Practical Knowledge From Industry
2014-2015	M/S CPLR	Civil	Cad Modelling	Gain The Software Knowledge
2014-2015	M/S CPLR	Civil	Revit Modelling	Gain The 3d Modelling Knowledge
2014-2015	M/S CPLR	Civil	Staad Pro	Gain The Design Knowledge
2013-2014	M/S CPLR	Civil	Cad Modelling	Gain The Software Knowledge
2013-2014	M/S CPLR	Civil	Revit Modelling	Gain The 3d Modelling Knowledge
2013-2014	M/S CPLR	Civil	Staad Pro	Gain The Design Knowledge
2013-2014	Industrial Visit	Civil	Visit The Industry	Gain The Practical Knowledge From Industry
2015-2016	M/S Spik Solutions	CSE	Value Added Course	Gain The Practical Knowledge From Industry
2015-2016	M/S Data net Systems Ltd.,	CSE	Industrial Visit	Training Program

2014- 2015	M/S Avatar Academy	CSE	Value Added Course	Gain The Practical Knowledge From Industry
2014-2015	M/S E Star InfoTech Ltd.,	CSE	Industrial Visit	Training Program
2013-2014	M/S Mega soft Ltd.,	CSE	Industrial Visit	Training Program
2013-2014	M/S SAN Technologies	CSE	Value Added Course	Gain The Practical Knowledge From Industry
2012-2013	M/S Polaris Software Lab Ltd.,	CSE	Industrial Visit	Training Program
2011-2012	M/S AGS InfoTech Ltd.,	CSE	Industrial Visit	Training Program
2015-2016	M/S Megatronics	EEE	Implant Training	Supporting Placement Activities
2015-2016	M/S Embuzz Technologies, Madurai	EEE	Value Added Course	Training Program
2014-2015	M/S Spark Tech , Erode	EEE	Value Added Course	Training Program
2014-2015	M/S Vam Electra Enterprises, Chennai	EEE	Hands on Training Program	Supporting Placement Activities
2013-2014	M/S Axis Global Automation, Chennai	EEE	Industrial Visit	Supporting Placement Activities
2015-2016	M/S Embuzz Technologies, Madurai	ECE	Value Added Course	Training program
2015-2016	M/S Megatronics, Coimbatore	ECE	Inplant Training	Supporting Placement Activities
2014-2015	M/S Vam Electra Enterprises, Chennai	ECE	Hands on Training Program	Supporting Placement Activities
2014-2015	M/S Spark Tech , Erode	ECE	Value Added Course	Training program
2013-2014	M/S Axis Global Automation, Chennai	ECE	Industrial Visit	Supporting Placement Activities
2015-2016	M/S Prabha Engineering Corporation Coimbatore	MECH	Industrial Visit	Student Training
2014-2015	M/S El Mc Sam Lab Equipments MFRS	MECH	Industrial Visit	Student Training

2013-2014	M/S C cube institution	MECH	Value Added Course	Supporting Placement Activities
2012-2013	M/S C cube institution	MECH	Value Added Course	Supporting Placement Activities
2014-2015	M/S Voice Training Solutions	S&H	Students' Development Program	Training Program
2013-2014	M/S APTECH Spoken English	S&H	Communication Development Program	Training Program
2012-2013	M/S APTECH Spoken English	S&H	Communication Development Program	Training Program
2011-2012	M/S Smart Training	S&H	Communication Skills Development Training	Training Program

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.

The industry-institution interactions have resulted in upgradation of knowledge through guest lecture workshop, placement and in-plant training.

- Students and faculty members equipped with practical applications of subjects.
- Few MoUs have resulted in placement of students
- In-plant trainings, Internships, Industrial visits and Expert lectures
- Value added courses and Curriculum development
- Software development
- Project works

Details of Industry-Institution-Community Interactions

Academic Year	Name of institute/ Industries / Corporates	Department	Nature of Activity	Contribution towards Institution Development
2015-2016	M/s Mettur dam	Civil	Industrial visit	Student training program
2015-2016	M/s k.c paily & sons kavanal building cochin	Civil	Industrial visit	Student training program
2014-2015	M/S Chennai port trust- Madras	Civil	Supervisor	Student Training
2014-2015	M/S New premier Construction	Civil	Supervisor	Student Training
2014-2015	M/S URC construction Pvt ltd	Civil	Supervisor	Student Training
2013-2014	M/S G.K construction Pvt ltd	Civil	Supervisor	Student Training
2013-2014	M/S ESHA Builders Pvt ltd	Civil	Supervisor	Student Training
2012-2013, 2013-2014, 2014-2015	M/S Mettur water Treatment plant and dam structure	Civil	Industrial visit	Student Training
2012-2013 2013-2014 2014-2015	M/S CPLR Pvt ltd	Civil	Value add Course	Student Training
2015-2016	M/S Axon InfoTech Ltd	CSE	In-plant Training	Students Training in unit operations
2014-2015	M/S Harbor Network Systems	CSE	In-plant Training	Students Training in unit operations
2013-2014	M/S Datasoft Application Software	CSE	In-plant Training	Students Training in unit operations
2012-2013	M/S Cyber scape Multimedia	CSE	In-plant Training	Students Training in unit operations
2011-2012	M/s Solix Technology Ltd.,	CSE	In-plant Training	Students Training in unit operations
2016-2017	M/s Southern Automation	EEE	Value added course	Students Training in unit operations
2015-2016	Steel Authority of India Ltd	EEE	Inplant Training	Student training program
2015-2016	Tamilnadu Generation and Distributions Corp. Ltd	EEE	Inplant Training	Student training program

2015-2016	Mettur thermal power station	EEE	Industrial visit	Student training program
2015-2016	Coral Rewinding India Private Limited	EEE	Industrial visit	Student training program
2015-2016	Coral Rewinding India Private Limited	EEE	Industrial visit	Student training program
2015-2016	Knowledge Institute of Technology	EEE	Faculty Visit	Updating the Lab facilities
2015-2016	M/S Megatronics, Coimbatore	EEE	In-plant Training	Students Training
2015-2016	M/S Embuzz Technologies, Madurai	EEE	Value Added Course	Students Training
2014-2015	M/S Spark Tech , Erode	EEE	Value Added Course	Students Training
2014-2015	M/S Vam Electra Enterprises, Chennai	EEE	Hands on Training Program	Students Training
2013-2014	M/S Sirius Technologies, Coimbatore	EEE	Live Projects Done	Students Training in unit operations & unit process
2013-2014	M/S Axis Global Automation, Chennai	EEE	Industrial Visit	Students Project Guidance
2015-2016	Knowledge Institute Of Technology	ECE	Faculty Visit	Updating The Lab Facilities
2015-2016	M/S Embuzz Technologies, Madurai	ECE	Value Added Course	Students Training
2015-2016	M/S Megatronics, Coimbatore	ECE	In-plant Training	Students Training
2014-2015	M/S Vam Electra Enterprises, Chennai	ECE	Hands On Training Program	Students Training
2014-2015	M/S Spark Tech , Erode	ECE	Value Added Course	Students Training
2013-2014	M/s Axis Global Automation, Chennai	ECE	Industrial Visit	Students Project Guidance
2013-2014	M/S Sirius Technologies, Coimbatore	ECE	Live Projects Done	Students Training In Unit Operations & Unit Process

2015-2016	M/s Tebma Shipyard Ltd,Mangalore	MECH	Inplant Training	Student training program
2015-2016	M/s SakthiAutocomponents	MECH	Inplant Training	Student training program
2015-2016	M/s Cochin Shipyard Ltd,Cochin	MECH	Inplant Training	Student training program
2015-2016	M/s Sail ,Salem	MECH	Inplant Training	Student training program
2015-2016	M/s Chennai Port Trust,Chennai	MECH	Inplant Training	Student training program
2015-2016	M/s Tnstc,Salem	MECH	Inplant Training	Student training program
2015-2016	M/s Tenneco Automotive Company,Hosure	MECH	Inplant Training	Student training program
2015-2016	M/s Diesel Loco Shed,Erode	MECH	Inplant Training	Student training program
2015-2016	Agni Steel,Erode	MECH	Inplant Training	Student training program
2015-2016	Tnpl,Karur	MECH	Inplant Training	Student training program
2015-2016	M/S Megatronics, Coimbatore	ECE	In-plant Training	Student training program
2015-2016	M/S Embuzz Technologies, Madurai	ECE	Value Added Course	Student training program
2015-2016	M/S El Mc Sam Lab Equipments MFRS	MECH	Industrial Visits	Student Training
2014-2015	PSG College of Technology	MECH	Live Project	Student Training
2014-2015	M/S Diesel Loco Sheds	MECH	Implant Training	Student Training
2013-2014	M/S Tamil Nadu News Print Paper Ltd., (TNPL). Students Training in unit operations & unit process.	MECH	Live Projects Done	Students Training in unit operations & unit process
2013-2014	M/S Seshasayee Paper & Boards Ltd	MECH	Live Projects Done	Students Training in unit operations & unit process
2012-2013	M/S Sakthi Auto Components	MECH	Live Projects Done	Students Training in unit operations & unit process
2012-2013	M/S Steel Authority of India Limited	MECH	Live Projects Done	Students Training in unit operations & unit process

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.

Eminent scientists visited /participated in the college events for the last four years are listed below.

Scientists / Visitors contributed to various Programs

Academic Year	Eminent Scientists / Professors	Department	Workshops / Seminar Conference
2015-2016	Er. N.Saravanakumar Chief Engineer, Heaven Home Builders, Namakkal.	CIVIL	Alumni Association Function
2015-2016	K.Anand, SS Ceramics	CIVIL	Entrepreneur Motivation Program
2015-2016	Mr.S.Lakshmanaperumal, Assistant Engineer, Esha Builders,Covai	CIVIL	Importance of Software in Civil Engineering
2015-2016	Er. R. Kailasan Sri Sakthi Construction	CIVIL	Movement for Green Revolution
2015-2016	Dr.N.Ramesh Prof/Civil KSR CT	CIVIL	Effluent Treatment Process
2015-2016	KKSK Rafiq KKSK Hides Pvt Ltd	CIVIL	Entrepreneur Motivation Program
2015-2016	Er.R.Paramaguru, PG Construction	CIVIL	Applications of Prestressed Concrete Structures
2015-2016	Dr.N.Ramesh, KSR CT, Namakkal.	CIVIL	Effluent Treatment Process
2015-2016	Dr.N.Ramesh, Ksr ct, Namakkal.	CIVIL	Guest Lecture
2014-2015	P.Gopalakrishnan,Gk Construtions, Erode.	CIVIL	Guest Lecture
2014-2015	Er.thiruvagam, Ridge contraction, Erode.	CIVIL	Workshop
2013-2014	Er.Devanandham, New Premier Construction, Erode.	CIVIL	Guest Lecture
2015-2016	Dr.N.karthikeyan	CSE	Mataematical Implementation of computer application and their importance

2015-2016	Mrs. K. Karthika	CSE	Guest Lecture
2015-2016	SAN Technologies	CSE	Workshop
2014-2015	Mr. P.K.Amarnath	CSE	Guest Lecture
2014-2015	Mr. Ahamed Ejaz Rasool	CSE	Guest Lecture
2014-2015	SAN Technologies	CSE	Workshop
2013-2014	Dr. N.Karthikeyan	CSE	Guest Lecture
2013 -2014	Mr. S. Mohamed Saleem	CSE	Guest Lecture
2012-2013	Mr. S. Vasanth	CSE	Guest Lecture
2015-2016	A.Anbuselvan, Smart Training, Chennai	EEE	Placement Training Program
2015-2016	B.RESHMA, Smart Training, Chennai	EEE	Placement Training Program
2015-2016	Md. Ismail, Southern Automation, Erode	EEE	Value Added Courses – Embedded System Design & PLC Design
2015-2016	K.Prakasam, AP/EEE Ksrce.	EEE	Enrichment Program – Guest Lecture on Power system Operation & Control
2015-2016	Dr. M. Vijayakumar ASP/ EEE, KSRCE	EEE	Symposium (TACTIKA – 2K15)
2015-2016	S.Karthikeyan, CEO, Genuine Environ Tech.	EEE	Entrepreneurship Awareness Program
2015-2016	R. Jothimani, AP/ECE, KSRCE	EEE	Enrichment Program – Guest Lecture on Discrete Time System & Signal Processing
2015-2016	S.Anand Kumar, MD, Amman Distributors.	EEE	Entrepreneurship Motivation Program

2015-2016	M.Kalaiselvam, Supervisor, Videocon Pvt. Ltd. Madurai.	EEE	Alumni Association
2014-2015	Mr.S.Sridharan, Sr.Lecturer, Al-Ameen Polytechnic	EEE	Guest Lecture
2014-2015	Mrs.M.Poonguzhali, HOD/ECE Narasu's Sarathy college of Engineering	EEE	Guest Lecture
2014-2015	Mr.R.Jothimani, AP/ ECE, KSRCE	EEE	Guest Lecture
2013-2014	Mr.S.Sathishkumar, HOD/EEE, Surya Engineering College	EEE	Guest Lecture
2012-2013	Mr.S.Sathishkumar, HOD/EEE, Surya Engineering College	EEE	Guest Lecture
2012-2013	Mr.S.Sridharan, Sr.Lecturer, Al-Ameen Polytechnic	EEE	Guest Lecture
2011-2012	Mr.S. Sathishkumar, HOD/EEE, Surya Engineering College	EEE	Guest Lecture
2011-2012	Mr.R. Jothimani AP/ECE, VCET	EEE	Guest Lecture
2015-2016	Mr. V.Saravanan	ECE	To conduct workshop on "Wavelet analysis and multire solution using MATLAB "
2015-2016	Dr. Venkatesakumar.S	ECE	To give guest lecture on Latest thrust area of tamilnadu
2015-2016	Mr.K.Arun	ECE	To give training on PCB Design

2015-2016	Mr. Kishore T	ECE	To give training for communication development
2015-2016	Mr. Vimal kumar.C	ECE	To give training for personality development
2015-2016	Mr.S.Amarnath	ECE	To conduct workshop on "Emerging trends in Embedded system "
2015-2016	Mr. K.Aravind	ECE	Discuss about Entrepreneurship
2015-2016	Dr.P.S.Periasamy	ECE	To Conduct "Faculty Development Programme"
2015-2016	Mr. S.Karthikeyan	ECE	Program
2015-2016	Dr.Venkatasa Kumar	ECE	Seminar on Latest Thrust areas of Tamilnadu
2014-2015	Mr.Mohammed Ismail	ECE	workshop
2013-2014	Mr.Nandha Kumar	ECE	Seminar
2013-2014	Mr.G.Rajesh Babu	ECE	Workshop
2015-2016	Mr.S.Anand, Smart Training Resourse PVT Limited, CHENNAI.	MECH	Placement And Communication Skill Development Programme
2015-2016	Mr. Jaffer Sathick C-Cube technologies, ERODE.	MECH	Value Added Course “PRO E”
2015-2016	Mr. Jaffer Sathick C-Cube technologies, ERODE.	MECH	Value Added Course “ANSYS 15”
2015-2016	Dr.D.Shanmugasundaram RTD. Medical Officer, government Hospital, Erode	MECH	Awareness Program On First Aid On Emergency

2015-2016	Mr. K.Mohammed Yusuf, Quality Inspector Sidco Industry Estate, Erode	MECH	Guest Lecturer On Expectation For Production Industry
2015-2016	Mr.P.M.Ragu Manager, Quality control, Agni steels Private Limited	MECH	Seminar on Programme on “Recent Trend in Quality”
2015-2016	MR.KKSK Rafiq Managing Director, KKSK hides Pvt Ltd, Erode	MECH	ENTREPRENEURSHIP AWARENESS PROGRAM
2015-2016	Mr. Jaffer Sathick C-Cube technologies, ERODE.	MECH	Value Added Course “ AUTO CAD 2015”
2015-2016	MR.C.Thirumoorti, Deputy General Manager, Sail, salem Steel Plant, SALEM	MECH	Workshop on “lean manufacturing”
2015-2016	MR.K.Aravind Managing Director, SS Ceramix	MECH	Entrepreneurship Motivational Program
2012-2013	Mr.S.Natarajan	MECH	Workshop
2012-2013	Er.R.Rangasamy	MECH	Association Function
2011-2012	Mr.Kumar	MECH	Workshops
2015-2016	Mr.Srinivasan	S&H	Guest Lecture
2014-2015	Mr.Naveen Annamalai	S&H	Guest Lecture
2014-2015	U.Krishnamoorthy	S&H	Guest Lecture
2014-2015	M.Chandrasekaran	S&H	Guest Lecture
2013-2014	Mr.Srinivasan	S&H	Guest Lecture
2013-2014	U.Krishnamoorthy	S&H	Guest Lecture
2012-2013	U.Krishnamoorthy	S&H	Guest Lecture

3.7.5 How many of the linkages/collaborations have actually resulted in formal 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

The institute is affiliated to Anna University Chennai, so there is no scope for change in curriculum as curriculum to be followed is prescribed by affiliating university.

b) Internship/ On-the-job training

The institute makes the facilities for arranging in plant training/industrial visit at various industries for the students.



Details of Students Placement Training Program by HCL Technologies

Details of MoUs/ Collaborative arrangements with Universities / Industries / Corporate

Academic Year	MoUs/Collaborative arrangements with Universities / industries / corporate	Department	Nature of activity	Contribution towards Institution Development
2015-2016	M/S CPLR	CIVIL	Cad Modelling	Gain The Software Knowledge

2015-2016	M/S CPLR	CIVIL	Revit Modelling	Gain The 3d Modelling Knowledge
2015-2016	M/S CPLR	CIVIL	Staad Pro	Gain The Design Knowledge
2015-2016	In-plant Training	CIVIL	Chennai Port	Gain The Practical Knowledge From Industry
2015-2016	Industrial Visit	CIVIL	Mettur Water Treatment Plant	Gain The Practical Knowledge From Industry
2015-2016	Industrial Visit	CIVIL	Road Construction	Gain The Practical Knowledge From Industry
2014-2015	M/S CPLR	CIVIL	Cad Modelling	Gain The Software Knowledge
2014-2015	M/S CPLR	CIVIL	Revit Modelling	Gain The 3d Modelling Knowledge
2014-2015	M/S CPLR	CIVIL	Staad Pro	Gain The Design Knowledge
2013-2014	M/S CPLR	CIVIL	Cad Modelling	Gain The Software Knowledge
2013-2014	M/S CPLR	CIVIL	Revit Modelling	Gain The 3d Modelling Knowledge
2013-2014	M/S CPLR	CIVIL	Staad Pro	Gain The Design Knowledge
2013-2014	Industrial Visit	CIVIL	Visit The Industry	Gain The Practical Knowledge From Industry
2015-2016	M/S Spik Solutions	CSE	Value Added Course	Gain The Practical Knowledge From Industry
2015-2016	M/S Datanet Systems Ltd.,	CSE	Industrial Visit	Training Program
2014-2015	M/S Avatar Academy	CSE	Value Added Course	Gain The Practical Knowledge From Industry

2014-2015	M/S E Star Infotech Ltd.,	CSE	Industrial Visit	Training Program
2013-2014	M/S Megasoft Ltd.,	CSE	Industrial Visit	Training Program
2013-2014	M/S SAN Technologies	CSE	Value Added Course	Gain The Practical Knowledge From Industry
2012-2013	M/S Polaris Software Lab Ltd.,	CSE	Industrial Visit	Training Program
2011-2012	M/S AGS InfoTech Ltd.,	CSE	Industrial Visit	Training Program
2015-2016	M/S Megatronics	EEE	Implant Training	Supporting Placement Activities
2015-2016	M/S Embuzz Technologies, Madurai	EEE	Value Added Course	Training program
2014-2015	M/S Spark Tech , Erode	EEE	Value Added Course	Training program
2014-2015	M/S Vam Electra Enterprises, Chennai	EEE	Hands on Training Program	Supporting Placement Activities
2013-2014	M/S Axis Global Automation, Chennai	EEE	Industrial Visit	Supporting Placement Activities
2015-2016	M/S Embuzz Technologies, Madurai	ECE	Value Added Course	Training program
2015-2016	M/S Megatronics, Coimbatore	ECE	Implant Training	Supporting Placement Activities
2014-2015	M/S Vam Electra Enterprises, Chennai	ECE	Hands on Training Program	Supporting Placement Activities
2014-2015	M/S Spark Tech , Erode	ECE	Value Added Course	Training program
2013-2014	M/S Axis Global Automation, Chennai	ECE	Industrial Visit	Supporting Placement Activities
2015-2016	M/S Prabha Engineering Corporation Coimbatore	MECH	Industrial Visit	Student Training

2014-2015	M/S El Mc Sam Lab Equipments MFRS	MECH	Industrial Visit	Student Training
2013-2014	M/S C cube institution	MECH	Value Added Course	Supporting Placement Activities
2012-2013	M/S C cube institution	MECH	Value Added Course	Supporting Placement Activities
2014-2015	M/S Voice Training Solutions	S&H	Students' Development Program	Training Program
2013-2014	M/S APTECH Spoken English	S&H	Communication Development Program	Training Program
2012-2013	M/S APTECH Spoken English	S&H	Communication Development Program	Training Program
2011-2012	M/S Smart Training	S&H	Communication Skills Development Training	Training Program

c) Summer placement

During the semester vacation the students are encouraged to visit various

Companies to develop their technical skills

d) Faculty exchange and professional development -NIL

e) Research

The institute regularly organizes workshops/seminars/conferences to promote research activities

f) Consultancy

Details of consultancy services provided by the institution

Sl. No	Academic Year	Name and Designation	Name of the Consultancy Services	Department	Revenue Generated in Rs
1	2015-2016	Prof .V,Veeraramkumar HOD/CIVIL	M/S Scs Builders	CIVIL	Rs.9000

2	2014-2015	Prof .V,Veeraramkumar HOD/CIVIL	M/S Erode Infra-structures	CIVIL	Rs. 1,15,000
3	2013-2014	Prof .V,Veeraramkumar HOD/CIVIL	M/S SCS Builders	CIVIL	Rs. 80,000
4	2012-2013	Prof .V,Veeraramkumar HOD/CIVIL	M/S M. Asaithambi, Contractor	CIVIL	Rs. 70,000
5	2015-2016	K.Omprakash AP/CSE	M/S SAN Technologies	CSE	Rs. 7000
6	2015-2016	Mr.K.Omprakash Mr.Ahamed Haris	M/S Byzero Technologies	CSE	Rs.75000
7	2015-2016	Mr.N.Nasurudeen Ahamed Mr.S.Ajmeer Habibullah Syed	M/S Sp Communications	CSE	Rs.110000
8	2014-2015	K.Omprakash AP/CSE	M/S Spik Solution	CSE	Rs. 7500
9	2014-2015	K.J.Fajudeen System Admin	M/S Universal Xerox	CSE	Rs. 5000
10	2013-2014	H.Mohamed Nasar System Admin	M/S Indonet Browsing Centre	CSE	Rs. 3000
11	2013-2014	K.J.Fajudeen System Admin	M/S Universal Xerox	CSE	Rs. 3000
12	2012-2013	H.Mohammed Nasar System Admin	M/S Indonet Browsing Centre	CSE	Rs. 8000
13	2012-2013	H.Mohammed Nasar System Admin	M/S Indonet Browsing Centre	CSE	Rs. 5000
14	2012-2013	H.Mohammed Nasar System Admin	M/S Hidel Power Systems	CSE	Rs.125000
15	2012-2013	K.J.Fajudeen System	M/S A-Team Computers	CSE	Rs.175000
16	2013-2014	R. Thoufiq Ahamed AP / CSE	M/S Subiksha Computers	CSE	Rs.102000
17	2014-2015	K.Omprakash AP/CSE	M/S Spik Solution	CSE	Rs.105000
18	2014-2015	R. Thoufiq Ahamed AP / CSE	M/S Genuine Computers	CSE	Rs.112000
19	2012-2013	M.Mohandass AP/EEE	M/S Vamee Electra Enterprises	EEE	Rs.30,000

20	2013-2014	M.Dineshkumar AP/EEE	M/S Premier Power Line Private Limited	EEE	Rs.23000
21	2014-2015	M.Mohandass AP/EEE	M/S Ovinec Electronic Private Limited	EEE	Rs.55000
22	2014-2015	M.Dineshkumar AP/EEE	M/S Vamee Electricals Private Limited	EEE	Rs.25000
23	2014-2015	M.Mohandass AP/EEE	M/S Axis Global Automation Private Limited	EEE	Rs.18000
24	2014-2015	M.Dineshkumar AP/EEE	M/S Premier Power Line Private Limited	EEE	Rs.25000
25	2013-2014	M.Dineshkumar AP/EEE	M/S Megatronics	EEE	Rs.45,000
26	2015-2016	N.Rameshkumar HOD/EEE	M/s Ovinec Electronic Private Limited	EEE	Rs.20,000
27	2012-2013	A.Md.Abdul Kadher AP/ECE	M/S The Chennai Mobiles	ECE	Service Motto
28	2012-2013	A.Md.Ismail AP/ECE	M/S Southern Automation and Industrial Training Services Private Limited	ECE	Rs.55,000
29	2012-2013	S.Selvam AP /ECE	M/S Spark Tech	ECE	Rs.60,000
30	2013-2014	S.Selvam AP /ECE	M/S Murugan Electrical	ECE	Service Motto
31	2013-2014	O.Cyril Mathew AP/ECE	M/S Sirius Techno Solution	ECE	Rs.35,000
32	2013-2014	S.Selvam AP /ECE	M/S Spark Tech	ECE	Rs.70,000
33	2013-2014	A.Md.Ismail AP/ECE	M/S Southern Automation and Industrial Training Services Private Limited	ECE	Rs.40,000
34	2014-2015	A.Md.Abdul Kadher AP/ECE	M/S Universal Mobiles	ECE	Service Motto
35	2014-2015	S.Selvam AP /ECE	M/S Spark Tech	ECE	Rs.50,000

36	2014-2015	A.Md.Ismail AP/ECE	M/S Southern Automation and Industrial Training Services Private Limited	ECE	Rs.1,50,000
37	2014-2015	A.Md.Ismail AP/ECE	M/S Sirius Techno Solution	ECE	Rs.1,25,000
38	2015-2016	A.Md.Abdul Kadher AP/ECE	M/S Thamirabarani Electronics	ECE	Rs.12,500
39	2015-2016	O.Cyril Mathew AP/ECE	M/S Enthu Technology	ECE	Service motto
40	2012-2013	Prof.G.Thangavel HOD/MECH	M/S M/s. Patel brass works Rajkot, Gujarat	MECH	Rs. 1.1Lakh
41	2013-2014	Prof.G.Thangavel HOD/MECH	M/s. Patel brass works Rajkot, Gujarat	MECH	Rs. 1.25Lakh
42	2012-2013	M.Veerakumar	M/S Arrow creative academic, Erode	MECH	Rs.10,000
43	2012-2013	R.Gobinath AP/Mech	M/S Arrow creative academic, Erode	MECH	Rs.5,000
44	2014-2015	R.Gobinath AP/Mech	M/S Prabha Engineering Corporation, Coimbatore	MECH	Rs1.1Lakh
45	2015-2016	P.L. Srenattan M.Sankar	M/s. C Cube Technologies, Erode	MECH	Rs.20,000
46	2015-2016	M.Veera Kumar	M/s. C Cube Technologies, Erode	MECH	Rs.25,000

g) Extension-NIL

h) Publication

i) Student Placement

Details of placement cell

DEPARTMENT	NO OF STUDENT PLACED (As on January 2017)			
	2009-2013	2010-2014	2011-2015	2012-2016
CIVIL	-	31	41	35
CSE	30	62	24	35

EEE	17	38	16	16
ECE	33	48	32	20
MECH	55	105	98	70



Campus Placement Drive – Avalon Technologies

j) Twinning programmes -NIL

k) Introduction of new courses

Two new PG courses M.E. CAD/CAM and M.E VLSI Engineering were started in the academic year 2012-13.

l) Student exchange -NIL

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 is continuously putting its efforts in planning, establishing and implementing the initiatives of the linkages by regularly conducting academic programmes pertaining to curriculum, knowledge exploration, content sharing and pedagogical activities

with regard to outcome based teaching and learning, soft skill training offered by industrial experts in giving communication competency, job training through placement activities , research projects through research programmes funded by agencies, extension activities through NSS and ECO clubs, publication through publisher, institution interaction and motivation and guidance programs to the students of this institution and to nearby rural schools and community. The linkages established with such industries help the institution to sign an MOU. More than 20 MOUs have been signed. Industrial visit, in-plant training, internship, projects and placements are arranged for the students in such industries.

The Library is well equipped with latest publications of books, E-journals and magazines. The well-equipped computer, networking laboratories for experimentation provides the students to equip themselves with the knowledge on their own.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES**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 institution abides by the regulations of UGC / AICTE / Anna University in all aspects relating to the creation and enhancement of infrastructure and other facilities.

- Class rooms and laboratories are well designed to maintain the ambience for an effective teaching and learning process.
- The college strives to build infrastructure facilities for research activities.
- The management constantly evaluates the existing facilities and takes steps to improve them.
- The institution takes due care in systematically adding, renovating, updating and maintaining buildings, equipment and other infrastructure facilities with regular supervision by the Management.
- The Governing council of the college takes care of the administrative problems and oversees the maintenance of the college.
- The institution has OHP and LCD projectors, smart-class rooms, audio-visual rooms, and Wi-Fi as teaching tools for an effective learning method to improve the quality.
- The Quality Improvement Cell of the college takes much care to update and provide learning and e-learning resources.
- The institution has IQAC, which regularly promotes infrastructure and learning resources.
- Feedback on infrastructure is collected from the stakeholders.
- Realizing the need of the competitive job market, the institute regularly conducts value-added technical courses, skill enhancement programs and enrichment courses, etc.

4.1.2 Detail the facilities 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.

The institution has spacious, ventilated, furnished class rooms, tutorial rooms and well equipped laboratories to facilitate the students with a better learning ambience. The available facilities are,

Sl. No.	Item	Quantity	Area in Sq. m.
1.	Secretary & Correspondent Room	1	97.97
2.	College Office	1	219
3.	Principal Room	1	43
4.	Principal Office	1	43
5.	Vice-Principal Room	1	32.665
6.	HOD Rooms	6	60
7.	Staff cabin	108	308.39
8.	Department Library	6	30
9.	Exam cell	1	54.5
10.	Library	1	308
11.	Class rooms	18	1701
12.	Tutorial rooms	9	283.50
13.	Laboratories	27	3652.50
14.	UPS and power room	4	60
15.	Drawing hall	2	326.55
16.	Auditorium	1	396
17.	A/C Seminar Hall	1	200
18.	Canteen	1	200
19.	Rest room / toilet	5	393.5
20.	Health centre room	1	10
21.	Workshop	1	200.10
22.	NSS Room	1	10
23.	Physical director Room	1	320
24.	Common room (boys-1 + girls-4)	7	18.29 /86.46

25.	Central store	1	320
26.	Security room	1	10
27.	Hostel	3	8000
28.	Hostel Mess	1	2400
29.	Food Court	1	165
30.	Four wheeler parking	1	66
31.	Two wheeler parking	1	50



College Boys Hostel – Outer view

b) Extra –curricular activities – sports, outdoor and indoorgames, gymnasium, auditorium, NSS, NCC, culturalactivities, Public speaking, communication skills development, yoga, health and hygiene etc.

Extra-Curricular activities

The institution has the following facilities for the purpose of extra-curricular activities:

Sports

Standard track for girls and boys. We conduct the following athletic events: 100 m, 200 m, 400 m, 1500 m, 5000 m, 10000 m, 110 m hurdles, 400 m hurdles, 100 m relay and 400 m relay, long jump, high jump, triple jump, hammer throw, discus throw and javelin throw.

Outdoor games

Volley ball, foot ball, kabaddi, badminton, kho-kho, cricket, hand ball and throw ball (for both boys and girls).

**Extra-Curricular activities – Sports Opened with cricket match****Indoor games**

Carrom, chess and table tennis.

Auditorium

There is an auditorium with 750 seating capacity and audio and video facilities are available to conduct various technical events and training programmes.

National Service Scheme (NSS)

National Service Scheme enables the students to upgrade their personality and experience through community service. It makes the students understand the community in which they live and identify the needs and problems of community and encourage them to find solutions. Various Socially relevant services like blood donation camp, medical awareness camps etc. are conducted by NSS students. The college has an NSS unit of 117 students.

Cultural Activities:

The college has gained a special place for itself in the field of cultural activities. The students are organizing & participating in many cultural activities like group dance, skits, MIME, Debate, Street Play, JAM, Treasure Hunt, Fireless cooking , Fashion show, Face Painting, Drawing etc., The college is also organizing Annual Day function every year where the students participate with zeal in many cultural activities.

Public speaking, communication skills development

Personality development programs are run by the colleges which involve various activities like public speaking and communication skills, development etc. Besides this, the college faculty also keeps enriching the student in the art of communicative skills. The language laboratory of the institution enables the students to improve their spoken and interview skills.

**Communication Skill Development for I-EEE students of AEC**

Health

Medical facility is available on the campus for the benefit of the staff and students. A health centre under the supervision of a qualified physician is established.

Hygiene

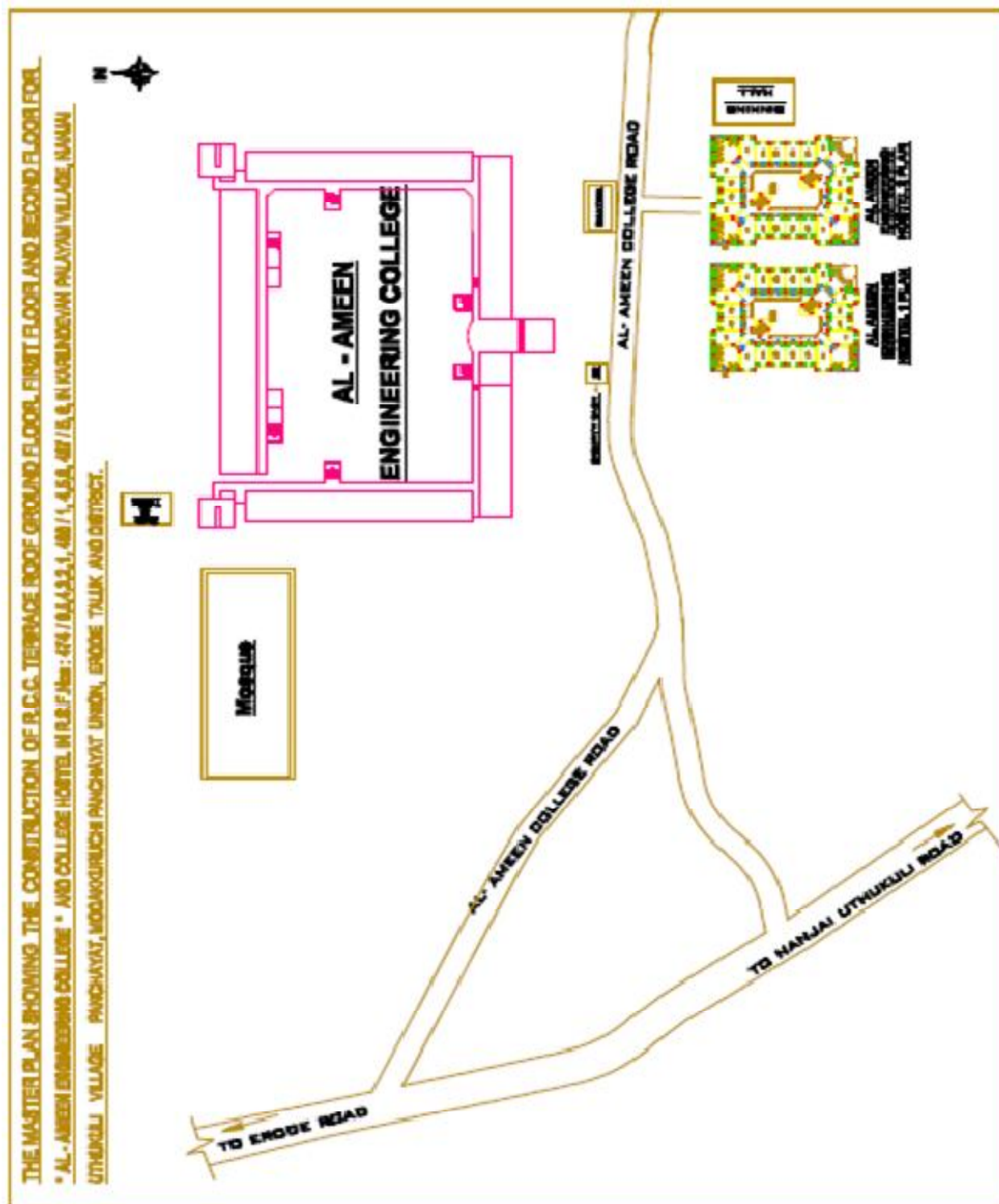
Sufficient effort is taken by the management to provide hygienic food in the hostel mess and canteens. RO water facility is provided for students nearby their class rooms. The entire ambience of the college is clean, fresh and conducive.

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally 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).

An excellent infrastructure provided and enhanced as per the well defined road map planned by management. Every year, it has been ensured by monitoring the utilization of the budget under the various category of infrastructure. The following table provides the details of amount spent (in Rs.) in the three years.

Description	2012-2013	2013-2014	2014-2015	2015-2016
Building (Rupees in lakhs)	152.30	53.08	64.32	35

Approved Master Plan of the Institution/ campus



Future Plans

- Horizontal and Vertical expansion of every Block.
- Separate Block for Library.
- Separate Administrative Block with COE Office, IQAC, Autonomous Cell, Accreditation Office.
- Centre of Excellence in every department normally, the institution plans in line with its academic growth.

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

- Class rooms are arranged in ground floor.
- The fellow students and supporting staff help them as and when required.
- The disabled are also provided with wheel chair and ramp facility.
- Toilets are available on the campus for the physically challenged persons.

4.1.5 Give details on the residential facility and various provisions available within them:***Hostel Facility – Accommodation available***

- The college has two boys hostels and one girls hostels housing 531 students out of which 502 boys and 29 girls.
- Hostel rooms are provided with all amenities. Good drinking water is provided to the hostel inmates through mineral water plant set

Recreational facilities, gymnasium, yoga center, etc.

- TV, DVD, news papers and music system are provided in the recreation room.
- Opportunities are given to the students to involve in music and drama during recreation hours.

Computer facility including access to internet in hostel

The college hostel is having a separate Computer room with internet facility. The students use the facility to enrich their knowledge.

Facilities for medical emergencies

The campus has the following facilities:

- One part-time Medical Officer.
- One part- time Staff-Nurse.
- Life saving medicines.
- Ambulance and cars for emergency.
- First-aid boxes at key locations.

Library facility in the hostels

- A separate room allotted for reading general books.
- Room-wise daily news papers are provided.

Available residential facility for the staff and occupancyConstant supply of safe drinking water

- 10 teaching and 5 non-teaching staff members are accommodated in the college hostel.
- RO purified water for drinking purpose is provided.

Security

A separate security team, under the control of Chief Security Officer, is functioning in the campus to maintain the safety/security of both the college and hostel campus round the clock.

4.1.6 What are the provisions made available to students and staff interms of health care on the campus and off the campus?

Well-equipped health centre with part time staff-nurse to cater the needs of the medical assistance for both student and staff community, ambulance facility is also available to transfer the student or staff to the nearby hospitals, when necessary.

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, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

S.No.	Name of the Unit	Place of Location	Staff in-charge
1.	IQAC	II Floor	Prof. S.Kumar HOD/ ECE
2.	Grievance & Redressal Cell	Ground Floor	Prof. G. ThangavelHOD/Mech
3.	Women's Development Cell	Ground Floor	Mrs.Y. DevakumariAP/S&H
4.	Counselling and Career Guidance	I -Floor	Mr. S. Santhosh,AP/Mech
5.	Placement Cell	I - Floor	MrShahul Hameed, AP/ CSE
6.	Health Centre	Ground floor	Mr. S.Nagarajan PD
7.	Canteen	Ground floor	Mr. Salam
8.	Recreational spaces for staff and students	II - Floor	Mr. S.Nagarajan PD
9.	Safe drinking water facility	II Floor	Mr. MayilsamyAP/civil
10.	Auditorium	Ground Floor	Mr. Thoufiq,AP/CSE

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 comprises the following members:-

S.No.	Name	Designation & Department
1.	Dr.M.MohamedMusthafa	VICE PRINCIPAL
2.	Mr.M.Chidambaram	LIBRARIAN
3.	Mr.R.Rajadurai	AP/CIVIL
4.	Mr.V.Suresh	AP/EEE
5.	Mrs.A.Sudha	AP/CSE
6.	Mr.M.Santhosh	AP/MECH
7.	Mrs.S.Meenachi	AP/CHEMISTRY
8.	Mr.C.Rameshkumar	AP/PHYSICS

- The significant initiatives implemented so far, based on the instruction of the committee are,
- Extension of library working hours till 7.00p.m on week days to enable the staff and students to make use of the library resources after the college working hours.
- Extended working hours of the library during weekends and vacation.
- Procurement of books and journals to meet the academic demand of the users.
- Subscription of refereed journals and e-journals Working hours:

4.2.2 Provide details of the following:

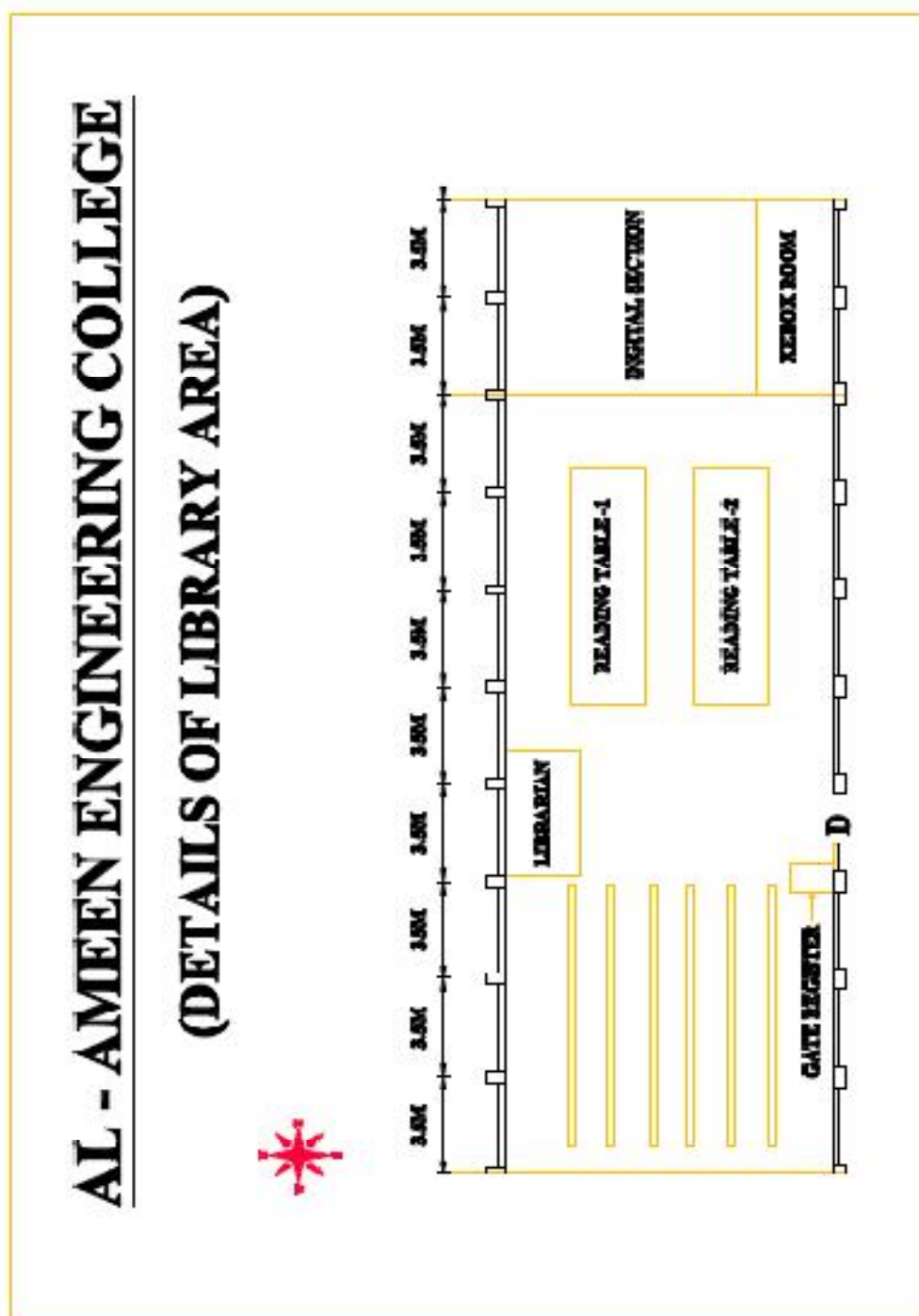
Total area of the library (in Sq. Mts.): 403.35 Sq

Total seating capacity:120

Working hours (on working days, on holidays, before examination days, during examination days, during vacation)

- On working days - 8.30a.m to 7.00p.m
- On holidays - 9.00 a.m to 1.00 p.m
- Before Examination - 8.30a.m to 7.00 p.m
- During Examination - 8.30a.m to 7.00 p.m
- During Vacation - As per notification

Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing resources)



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.

Library holdings	2012-2013		2013-2014		2014-2015		2015-2016	
	Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost
Text books	1841	6,43,981	2189	7,50,750	1914	6,69,345	1584	700346
Reference Books	130	62320	140	66352	150	75000	169	42214
Journals/ Periodicals	92	2,76,000	91	2,92,000	95	2,96,520	50	150000
e-resources	850	55,000	850	55,000	850	55,000	746	66500
Other: Window racks, Bureaus and Stationeries	-	52300	-	36800	-	15600		2,00,300

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

OPAC

OPAC (Online Public Access Catalogue) is provided to the users through CAMPS I LIB library software.

Electronic Resource Management package for e-journals

The library has online, e-journals access through DELNET services.

Federated searching tools to search articles in multiple databases

Yes; the library has a large and constantly growing collection of online resources such as NPTEL, e-journals, e-books, and so on. These e-resources are accessible anywhere in the campus at any time. We are using campus wide unlimited access.

Library Website

www.alameen.ac.in/facilities/library.

In-house/remote access to e-publications

Yes; the library is using campus wide unlimited access through intranet.

Library automation

All the active book collection is updated in the PALPAP Library Management Software and the Web OPAC is available for the users. The issue and return of books are being activated with the PALPAP Library Management Software.

Total number of computers for public access - 8***Total numbers of printers for public access - 8******Internet band width/ speed 2mbps******Institutional Repository***

- Article Repository : Published research paper/article of the faculty members.
- Book Repository : Published books of the faculty members.
- Thesis Repository: Awarded Ph.D. Thesis of Faculty.
- Student Projects: Total Students Projects available :492.
- Back volumes: 4761 Periodicals back issues .
- College events, association activities.

Content management system for e-learning

Library has content management system for e-learning.

Participation in Resource sharing networks/consortia (likeInflibnet)

Library is member of DELNET and subscribing 275 AICTE_Consortia journals.

4.2.5 Provide details on the following items:

Average number of walk-ins	:120/day
Average number of books Issued/returned	: 70/day
Ratio of library books issue as per students' enrolment	: 1/12

Average number of login to OPAC	: 130
Average number of login to e-resources	:80
Average number of e-resources Downloaded/printed	:50
Number of information literacy trainings organized	: One per year
Details of “weeding out” of books and other materials advisory committee books are weeded out.	: With the approval of the

4.2.6 Give details of the specialized services provided by the library

S.No.	Specialized Services	Available
1.	Manuscripts	YES
2.	Reference	YES
3.	Reprography	YES
4.	ILL (Inter Library Loan Service)	YES
5.	Information deployment and notification	YES
6.	Download	YES
7.	Printing	YES
8.	Reading list/ Bibliography compilation	YES
9.	In-house/remote access to e-resources	YES
10.	User Orientation and awareness	YES
11.	Assistance in searching Databases	YES
12.	INFLIBNET/IUC facilities	YES

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

The Library Staff always extend their services to the students and faculty members of the college on various aspects mentioned below:

- Circulation service.
- Reference service.
- Reprographic facility.
- Personal guidance in finding the books.
- Referral service.
- New books, journals and magazines displayed on new arrivals rack.
- User orientation service.
- Computer and printing service.
- Internet service.
- Clipping service.
- Open access system.
- Access to CD-ROM including circulation.

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

Library facility is available in each department and the same is extended for physically-challenged persons.

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

- A survey is conducted in the library to know the needs and requirements of the library users by administering a structured questionnaire along with personal interaction and also by observation.
- After assessing the needs, necessary measures are taken to update the collection and the library is made user-oriented and user friendly in its functioning.

- Feedback collected from the staff and students based on requirement of books and journals are analyzed by the library committee and necessary measures are taken immediately.

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.	Dept. / Lab	Configuration	No. of Systems
1	CSE / CC1	HP 7100 Desktop	66
		320 GB Harddisk, 2GB DDR3 RAM	
		Intel Core i3-550 Processor	
		Intel H57Express Chipset Motherboard	
		HP 18.5 TFT Monitor	
		HP Keyboard & Mouse	
2	CSE / CC3	HP 7100 Desktop	58
		320 GB Hard disk, 2GB DDR3 RAM	
		Intel Core i3-550 Processor	
		Intel H57Express Chipset Motherboard	
		HP 18.5 TFT Monitor	
		HP Keyboard& Mouse	
3	COMMUNICATION LAB	HP 7100 Desktop	35
		320 GB Hard disk, 2GB DDR3 RAM	
		Intel Core i3-550 Processor	
		Intel H57Express Chipset Motherboard	
		HP 18.5 TFT Monitor	
		HP Keyboard& Mouse	

4	DSP LAB	ACER Desktop	36
		160 GB Hard disk, 2GB DDR2 RAM	
		Intel Core i3-550 Processor	
		Intel DG31Chipset Motherboard	
		ACER 18.5 TFT Monitor	
		ACER Keyboard& Mouse	
5	NETWORKS LAB	ACER Desktop	36
		160 GB Hard disk, 2GB DDR2 RAM	
		Intel Dual Core Processor	
		Intel DG31Chipset Motherboard	
		ACER 18.5 TFT Monitor	
		ACER Keyboard& Mouse	
6	CSE / CC2	ACER VeritonDesktop	65
		350GB Hard disk, 2GB DDR2 RAM	
		Intel Core 2 Quad Processor	
		Intel DG31Chipset Motherboard	
		ACER 18.5 TFT Monitor	
		ACER Keyboard& Mouse	
7	MECH / CAD	ACER Desktop	39
		500 GB Hard disk, 2GB DDR3 RAM	
		Intel Dual Core E6600 Processor	
		Intel G41 Chipset Motherboard	
		ACER 18.5 TFT Monitor	
		ACER Keyboard& Mouse	
8	EEE / Simulation	ACER Desktop	20
		500 GB Hard disk, 2GB DDR3 RAM	
		Intel Dual Core E6600 Processor	

		Intel G41 Chipset Motherboard	
		ACER 18.5 TFT Monitor	
		ACER Keyboard& Mouse	
9	OFFICE & OTHERS	ACER Desktop	28
		160 GB Hard disk, 2GB DDR2 RAM	
		Intel Core i3-550 Processor	
		Intel DG31Chipset Motherboard	
		ACER 18.5 TFT Monitor	
		ACER Keyboard& Mouse	

Printer and Scanner Details

S.No.	Configuration	Total
1	Samsung ML-1640 LaserJet Printer	6
2	HP 1007 LaserJet Printer	5
3	HP 1020 LaserJet Printer	19
4	TVS DotMatrix Printer	5
5	Scanner with colour printer	4
6	Samsung MultiPrinter	1
Total Printers Available in the Campus		34
Total No. of Scanners Available in the Campus		4

Computer-Student ratio

UG – 1:2

PG - 1:1

LAN facility

The college has a well connected campus LAN.

Wifi facility

Our campus has Wi-Fi facility.

Licensed software**System Software Details**

S.No.	Name of the Software Available	Dept. / Lab
1	Windows XP Professional	All Dept Labs
2	Ubuntu 10.1.4	CC3, CC2
3	Fedora 13.0	CC1
4	Windows Server 2008	SERVER

Application Software Details

S.No.	Name of the Software Available	Dept. / Lab
1	Microsoft Office 2003	All Computer Labs
2	Visual Studio 2008	CC1, CC2
3	Oracle 11g	CC2, CC3
4	Codegear RAD Studio C++ builder 2009	CC1
5	Rational Rose 2010	CC1
6	Turbo C	All Computer Labs
7	Java 7.0	All Computer Labs
8	Python	CC1
9	Perl	CC1
10	Net beans 7.0	CC1
11	Think3 Design CAD Software	CAD
12	JDK 1.5	CC1
13	VC++	CC1

14	Office – 2010	CC1
15	Apache Tomcat 7.0	CC3
16	Apache Web server	CC3
17	Xml Editor	CC3
18	MySQL	CC2
19	DB2	CC2
20	PHP	CC2
21	VJC++	CC2
22	Wamp Server	CC1
23	Opnet	CC1
24	Glomosin	CC1
25	Auto CAD 7	CC3, CAD LAB
26	Ansys 14.5	CAD LAB
27	Edge CAM	CAD LAB
28	StaddPro	CAD LAB
29	MATLAB	CAD LAB, MATLAB
30	Networks Simulator	Networks Lab
31	Spice Simulation	EC1
32	Xilinx	VLSI
33	Mentor Graphics	VLSI

Number of nodes/ computers with Internet facility

No. of Nodes/Computers with internet facility : 50

Any other

- 512Mbps dedicated leased line from BSNL.
- Open source endian version 10.2.4 firewall is used.

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 in the college for faculty and students. There are 384 computers with the facility of internet in each. The Principal office, the Administrative Block and the departments have the facility of internet.

Wi-Fi facility:

Wi-Fi facility is found on the campus with 6Mbps out of 10 Mbps bandwidth benefiting both the faculty and the students. Wi-Fi access points have been installed at appropriate places.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- The college has planned to provide laptops to the faculty members first, at free of cost.
- Later it is planned to provide laptop to the students at free of cost.
- The college encourages the students to submit their home works / assignments / mini-project to the department through E-Mail.
- The college is planning to improve the bandwidth of internet to 32 Mbps.
- Also the college is planning to provide more computer systems to all the computer laboratories.
- For all the programmes, syllabus and materials are uploaded in the college website.

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Yearwise for last four years)

Annual Budget for Computer Procurement, Up gradation and Maintenance (in lakhs)

Year	Procurement (in Rs.)	Up gradation (in Lakhs.)	Deployment/Maintenance
2009 - 2010	14,70,000	0.75	2,18,063

2010 - 2011	13,97,500	0.50	1,85,000
2011 – 2012	35,28,000	0.25	3,03,280
2012 – 2013	7,10,000	1.25	1,22,000
2013-2014	3,60,000	1.75	1,15,000
2014-2015	2,50,000	0.75	75,000
2015-2016	3,00,000	0.5	1,50,000

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 provides digital library facility for all the staff members. The software tools required for teaching and learning are also available. Following provisions are available for the extensive use of ICT resources.

- The individual department develops their course materials through power point presentation for use in their interactive classes.
- Softcopy of many learning resources, lecture materials, e-books are provided to students.
- Teaching aid provisions like LCD projector and OHP are available in the class rooms.
- Faculty members are provided with internet connected system, through which the teaching materials like NPTEL and IIT videos are downloaded for the better understanding of the subject concepts.
- Online demo is arranged by the faculty members to understand the industrial scenario.
- Students are encouraged to view webinars and other online live seminars and to interact with experts.
- Institute developed EMS software is available to get online feedback from students periodically.
- ICT facilities are used by the students to organize computer based activities.
- Feedback forms are collected from the users of ICT to improve Teaching-Learning Process.

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 e-journal facility of the college has been decentralized. Wi-Fi connectivity and high speed network connectivity enables staff and students to access resources from anywhere on campus for Teaching-Learning and research. All departments are equipped with LCD projector, OHPs and sufficient number of computers for teaching learning process.

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?

Yes, NPTEL facility has been availed.

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)?

Budget allocated (in Lakhs)				
	2012 – 2013	2013 – 2014	2014 - 2015	2015-2016
Building	152.30	53.08	64.32	35
Furniture	19.36	9.27	1.28	2
Equipment	63.13	26.06	17.41	15
Computers	7.10	3.60	4	5
Vehicles	53.35	69.26	78.20	40
Any other	25	20	15	200

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

- Each department in the college is asked to give an annual budget estimate to upgrade and maintain the existing facilities available in the laboratories and workshop and also for the purchase of new equipments.

- The budget is monitored periodically by Board of Trustees, Principal and HODs in the review meetings and funds are allotted to ensure optimum utilization.
- Department infrastructure facility and equipments are periodically verified by the staff members. In case of further requirements, the individual department reports are correlated and approved by the Principal and Management for further action.
- It is the duty of the laboratory in-charges, HODs and Coordinators to ensure the optimal utilization of the budget with the approval of the purchase committee.
- Every department maintains a stock register for the available equipment.
- Proper inspection is done and verification of stock takes place at the end of every year.
- The civil and electrical work is adequately monitored and maintained by the administrative office.
- Periodic reporting of repair work to be done, if any in the class rooms, labs or departments by the HODs to the principal and it enables the institution to keep up the working condition of the equipment and look after the maintenance of the building.
- Fire extinguishers are available on every floor.
- Pest control of library books and records is done.
- 20 trained technicians are involved in the maintenance of infrastructure facilities and equipment of the college.
- The non-teaching staffs are also trained in maintenance of science and computer equipment.
- The conservancy workers look after the maintenance of rest rooms, approach roads and neatness of the entire premises. Housekeeping services are regularly done.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

The procedure followed to calibrate equipment/instrument are given below

- Every semester, before the commencement of classes, the equipment are properly calibrated.
- The master equipment is calibrated and certified by the external agency.
- Department of EEE is in charge of controlling the calibrations of the equipment.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

- Sensitive equipment like generators, water supplies are kept in their designated places.
- Similarly chemicals are cautiously taken care of in the science laboratories by the lab attendants.
- Electricity based instruments are handled with care in the respective departments.
- Lightning arrester is installed in each block.
- The short circuit problem is managed by using MCB switches.
- Wherever electric power is involved, safety measures are implemented and fire extinguishers are available in case of emergency.
- Water supply is assured in the college.
- In addition, the college has a good team sweepers and scavengers to keep the campus clean.

CRITERION V: STUDENT SUPPORT AND PROGRESSION**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 the college details in newsletter formats and handbook.

The institution's website provides a complete profile of the college, the courses offered and the facilities available. The annual newsletter enables the students to have a clear cut view of the institution and its role in facilitating the engineering education of the learners.

The college handbook contains details about the institution's vision, mission, its objective, its administrative structure, particulars about teaching and non-teaching faculty, infrastructure, college timings, rules and regulations, library hours, existence of anti-ragging committee, scholarship information, hostel details, academic schedule, time table etc. So through these means, the college ensures its commitment to the students.

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?

S. No.	Name of the Scholarship	2012 – 2013		2013 – 2014		2014 – 2015		2015-2016	
		No. of students	Amount Rs.	No. of students	Amount Rs.	No. of students	Amount Rs.	No. of students	Amount Rs.
1	BC / MBC	128	3,94,765	276	13,06,525	154	8,17,075	139	6,97,525
2	SC / ST	39	13,14,800	67	23,27,500	83	44,47,500	102	53,30,000
3	Minorities Welfare Merit Cum	25	5,00,000	33	6,60,000	102	20,27,100	52	14,74,000

	Means Scholarship								
4	First Graduate	256	51,20,000	376	75,20,000	480	96,00,000	508	1,01,60,000
5	Shree Vijaya-lakshmi Charitable Trust	8	1,85,000	34	7,50,000	-	-	-	-
6	Erode Educational Academy	10	50,000	15	66,000	58	2,28,400	64	2,70,800
7	Al-Ameen Scholarship	566	1,01,65,675	541	1,30,01,375	619	1,61,20,775	706	1,77,46,700
Total		1032	1,77,30,240	1342	2,56,31,400	1496	3,32,40,850	1571	3,56,29,025

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

There are lots of students who are from economically weaker section of the society. The college provides financial assistance of these students which is received from central govt., state govt., and other agencies and management of the college. Nearly 55- 60 % students of the college get benefit from these scholarships.

5.1.4 What are the specific support services/facilities available for

- Students from SC/ST, OBC and economically weaker sections

College availing the scholarship for SC/ST and OBC students from the government in proper manner by getting all the relevant details from the students. College management providing the fees concession for the economically weaker and for poor background students.

- Students with physical disabilities

There is reservation for students belonging to differently-abled category or physically challenged students as per UGC notifications. Their requirements and needs are given a special care and attention. The college ensures that infrastructure facilities meet the requirement of the students with physical disabilities. For differently-abled students, it is ensured that they don't have any physical obstruction.

- Overseas students

There are no overseas students in our college. If any student is admitted in the forthcoming years, necessary steps will be taken to cater to their needs.

- Students to participate in various competitions/National and International

The students are encouraged to participate in various events in other institutions by providing TA & on-duty leave with Faculty support.

- Medical assistance to students: health centre, health insurance etc.
 - ✓ First aid boxes are available in main areas of the campus.
 - ✓ Gynecologists are invited to address girl students on health and hygiene aspects.
 - ✓ Providing insurance for all the students in the college.
 - ✓ Regular medical checkup camps are conducted through NSS & RRC.

Organizing coaching classes for competitive exams, Skill development (spoken English, computer literacy, etc.), Support for "slow learners", exposures of students to other institution of higher learning/ corporate/business house etc.

AY: 2011 – 2012				
S.No.	Trainer	Program	Dept	Date
1	Mr.S Subramanian	Business English Communication for Final Years	All Branches	10.09.2012 to 22.09.2012
2	IIT, Roorkee	IPRENEUR-2013 National Level Web2.0 Championship	All Branches	23.09.2012
3	EL COM	EL COM Communication Training, Chennai	All Branches	22.08.2012 to 28.08.2012

4	AEC Trainers	Quality Team of Department of Training & Placements	ECE	11.01.2012
5	AEC Faculty	Internal Faculties	All Branches	30.12.2011
6	Lattice Trainer	Lattice Spark	All Branches	16.12.2011
7	AEC Trainers	Al-Ameen Engineering College Placement Cell	All Branches	16.09.2011 to 17.09.2011
8	Photon Infotech - Trainer	Mr.Narendren Somisetty (Training Lead - Photon Infotech)	All Branches	10.09.2011
9	AEC Trainers	Al-Ameen Engineering College Placement Cell	EEE	19.08.2011
AY: 2012 – 2013				
S.No.	Trainer	Program	Dept	Date
1	ICTACT	Sixth edition of ICTACT Bridge Conference	All Branches	31.10.2013
2	ELCOM Trainer	EL COM Communication Training, Chennai	All Branches	08.09.2013
3	Btechguru	An Initiative of IIT Chennai	Circuit Branches	07.03.2013
4	Mr.S Subramanian	Business Communication	Circuit Branches	17.2.2013
5	Mr.S Subramanian	Business Communication	Mech	24.2.2013
6	Mr.S Subramanian	Business Communication	All Branches	17.2.2013
7	Mr.S Subramanian	Business Communication	All Branches	24.2.2013
8	Mr.S Subramanian	Business Communication	All Branches	23.2.2013
9	Smart Training Resources India	Communication	All Branches	19.1.2013
10	Smart Training Resources India	Aptitude	All Branches	20.01.2013
11	Mrs Sudha & Mr Raj Kumar	Aptitude & Technical	Circuit Branches	15.01.2013
12	Mrs Sudha & Mr Raj Kumar	Aptitude & Technical	Circuit Branches	16.01.2013
AY: 2013 – 2014				

S.No.	Trainer	Program	Dept	Date
1	Smart Training Resources India	2nd Year Placement Training Communication	All Branches	15.04.2014 to 17.04.2014
2	Talentera Bangalore	Mock Interview	All Branches	10.01.2014
3	Mr B.M.S.Javed Ahamed, Mrs A.Sudha,	Training on Java Programming, Training on C and C++	Circuit Branches	1.01.2014
4	Mr. N.Nasrudeen Ahamed, Mr. K.Omprakesh	Training on C and C++	Circuit Branches	2.01.2014
5	Mr Raj Kumar	Aptitude	All Branches	07.10.2013 to 12.10.2013
6	Mr Raj Kumar	Aptitude	All Branches	25.09.2013
7	Mr Raj Kumar	Aptitude	All Branches	26.09.2013
8	Mrs Sudha	Training on C and C++	Circuit Branches	27.09.2013
9	Mr B.M.S.Javed Ahamed, AP / CSE, AEC	Training on Java Programming	Circuit Branches	28.09.2013
10	Mr Raj Kumar	Aptitude	All Branches	30.09.2013
11	Mrs Sudha	Training on C and C++	Circuit Branches	01.10.2013
12	Mr B.M.S.Javed Ahamed, AP / CSE, AEC	Training on Java Programming	Circuit Branches	02.10.2013
13	Mr B.M.S.Javed Ahamed, AP / CSE, AEC	Training on Java Programming	Circuit Branches	03.10.2013
14	Smart Training Resources India And Zado Technologies	Aptitude & Communication	Core Branches	18.09.2013 to 22.09.2013
15	Six Phrase Training Resources, Coimbatore	Aptitude	Circuit Branches	20.09.2013 to 22.09.2013

AY: 2014 – 2015				
S.No.	Trainer	Program	Dept	Date
1	Mr. Naveen Annamalai	Student Development Programme	All Branches	10.01.2015
2	Mr. Naveen Annamalai	Student Development Programme	All Branches	24.01.2015
3	Mr. Naveen Annamalai	Student Development Programme	All Branches	07.02.2015
4	Mr. Naveen Annamalai	Student Development Programme	All Branches	21.02.2015
5	Mr. Naveen Annamalai	Student Development Programme	All Branches	27.02.2015
6	Mr. Naveen Annamalai	Student Development Programme	All Branches	14.03.2015
7	Mr. Naveen Annamalai	Student Development Programme	All Branches	28.03.2015
8	Mr. Naveen Annamalai	Student Development Programme	All Branches	11.04.2015
9	Mrs Sudha	Training on C and C++	CSE	06.09.2014
10	Mr.Raj Kumar	Aptitude	CSE	07.09.2014
11	Mr.Raj Kumar & Mrs Sudha	Aptitude, Training on C and C++	CSE	08.09.2014
12	Mrs Sudha	Training on C and C++	ECE	06.09.2014
13	Mr.Raj Kumar	Aptitude	ECE	07.09.2014
14	Mr.Raj Kumar & Mrs Sudha	Aptitude, Training on C and C++	ECE	08.09.2014
15	Smart Training Resources India & Zado Infotech Solutions	Aptitude & Communication	All Branches	30.06.2014 to 05.07.2014
AY: 2015 – 2016				

S.No.	Trainer	Program	Dept	Date
1	Mr.Fernando	Aptitude Training	CSE	20.07.2015
2	Mr.R.Sahul Hameed	Debate Training	CSE	20.07.2015
3	Mr.Fernando	Aptitude Training	All Branches	21.07.2015
4	Mr.R.Sahul Hameed	Debate Training	CSE	21.07.2015
5	Mr.R.Sahul Hameed	Group Discussion Training	CSE	22.07.2015
6	Mr.Fernando	Motivation Training	CSE	23.07.2015
7	Mr.Riyas	Motivation Training	CSE	24.07.2015
8	Mr.Fernando	Aptitude Training	ECE	07.07.2015
9	Mr.Riyas	Group Discussion Training	EEE	07.07.2015
10	Mr.R.Sahul Hameed	Debate Training	MECH	15.07.2015
11	Mr.Fernando	Aptitude Training	CIVIL	30.07.2015
12	Mr.R.Sahul Hameed	Motivation Training	All Branches	26.07.2015



Business English Communication for final year students

Publication of student magazines





A Periodical News Letter of

AL-AMEEN ENGINEERING COLLEGE

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(For the Academic Year 2014 - 15)

Plant 1
Flower 5

PATRONS



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Joint Secretary



Alhaj. S.A. Mohamed Ali
Joint Secretary

CORRESPONDENT'S MESSAGE

I am immensely pleased to know that, Our aim is to provide world class technical education to benefit all the section of the society. All our efforts made here are to enhance the individual caliber of the students so they meet the requirements of the present day scenario in the recruitment process of various industries and companies. Our Institution is strongly committed and determined towards academic excellence and professional growth. We feel proud to provide quality education by equipping our students with skills, confidence and a positive approach with an all round.


 Alhaj. A.K. Jaffarullah
Secretary & Correspondent

PRINCIPAL'S MESSAGE

Warm Greetings! It is indeed an honour to give my message to you all! The main focus of the institution is to empower students with sound knowledge, wisdom, experience and training both at the academic level of engineering and in the highly competitive global industrial market. I am confident that the college, with its rich legacy, will continue to shape the future of the young minds of our country and transform their potential into successful careers resulting in national development. We aim at creating all rounded personality in our students-professionally and socially.


 Dr. A.M.J.MD. Zubair Rahman
M.E., M.S., Ph.D., MISTE., MCSL.

Student Magazine-“AL-NEWS”

Students magazines are published every year as “AL-NEWS”. In future we are planning to publish the News letter for each department.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

Functions of EDC

- ✓ The institute has an Entrepreneurship Development Cell.
- ✓ The cell organizes seminars and workshops periodically.
- ✓ Eminent persons from industry are called for making the students to understand business ethics and start-up procedures.
- ✓ The skills includes through this EDC are Leadership Skills, Marketing Skills, Business Development Skills, Managerial Skills, Risk assessment and Management



**Entrepreneurship Development Cell – Inaugural speech by Mr. K.K.S.K Rafiq, MD /
KSK Leathers Private Limited**

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.

The institution is committed to motivate students to participate in various extracurricular activities by ensuring consistent encouragement. The necessary facilities are provided and adequate funds are allotted. The sports and cultural committees supervise the extra-curricular activities. The students who participate in the sports activities or other extra-curricular and extra-mural activities are provided with extra classes so that the time they have given in for the various activities can be compensated.



**Extracurricular Activities–Opening of sports events by Dr. A.M.J Md. Zubair Rahman,
Principal – Al-Ameen Engineering College**

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 such as UGC-CSIR- NET, UGC-NET, SLET, GATE / CAT / GRE / TOEFL / GMAT / Central / State services, Defence, Civil Services, etc.

The institution is constantly giving training program for advanced learner toward appearing for competitive exams.

5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)

Academic

There is one faculty member takes the role of Class advisor whose primary activity is to monitor the academic progress of the students under their care and to take corrective measures for any aberration in their progress in academic pursuits.

Personal

One faculty is assigned as a mentor for every 10-15 students for easy monitoring of their academic performance and attendance. The special type of counselling was made to the students by the mentor along with their HODs for their personal issues.

Career

One faculty member from each department is deputed as Placement Coordinator and their role is to visit each class and motivate and counsel the students in the career aspect. Placement officers explain in a detailed way, the career prospects, preparation and career development activities. Necessary training programs to enhance soft skills and other skills have been arranged under the aegis of Placement Cell which includes experts from industry as trainers.

Psycho-social

The college has Grievance Redressal Cell and Women development cell which organizes programmes like health awareness, women empowerment, psycho-social issues.

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 the programmes).

Programme wise placed students during Campus interviews

Batch :2009 – 2013 (As on Date)			
Branch	No. of students placed	% of placement	Name of the Employer
MECH	55	86%	Al-Ameen Polytechnic, Aquasub, CSS Corp, Precision Engineering, Sakthi Sugars
CIVIL	-	-	-
ECE	33	67%	C-Cubed Solutions, CSS Corp, Devas Technologies, Dhyan Infotech Pvt. Ltd, Glenwood Systems, Glorieux Infosystem, Merill Technologies, R2 International, Skyla Technologies, Tech Mahindra BPO, Tecnova
EEE	17	40%	Al-Ameen Polytechnic, Devas Technologies Precision Engineering, Tech Mahindra BPO
CSE	30	79%	C-Cubed Solutions, CDAC, Devas Technologies Glenwood Systems, Kumaran Systems Sutherland Global Services, Tech Mahindra
Batch:: 2010 – 2014(As on Date)			
Branch	No. of students placed	% of placement	Name of the Employer
MECH	105	86%	Aarnika, diesel power solution P.a.tex, serveall, sutherland, winston
CIVIL	31	94%	RPC, Srinivasa Associates, Sripathi Associates WinStone

ECE	48	81%	6 Soft Technologies, Airtel Telesonic, Avalon Technologies, Crescent Technologies, Diesel Power Solutions, Donadhi, KB Foundations, Nile Stream Technologies, Nokio Technologies, Radus Infotek Reach Accountant, TechUnity, VEE Technologies Zado Technologies
EEE	38	64%	6 soft, Avalon Technologies, Dhonadhi, Diesel Power Solutions, Goms Electricals, KGISL Nile Stream, RadusInfotek, Sun Foundations Airtel Telesonic
CSE	62	94%	6 soft technologies, Crescent Technosoft, E4E Technologies, KB Foundations, KGISL Nile Stream, Radus InfoTek, Sutherland Vee Technologies, Zado Technologies
Batch: 2011 – 2015 (As on Date)			
Branch	No. of students placed	% of placement	Name of the Employer
MECH	98	80%	Accurate Steel, Vetrivel Auto Electrical Karthigeya Plastics, Rajsriya
CIVIL	41	87%	Esha Builders, Surabhi Constructions Navie Tecknokem
ECE	32	74%	Vinayak Infotech, Sensiple Software Avalon Technologies, Phoenix Medical Systems Glorieux Infosystem, mcAMDOIS
EEE	16	49%	KGISL, Digital Nirvana, Avalon Technologies Phoenix Medical Systems, Glorieux Infosystem
CSE	24	92%	Vinayak Infotech, Sensiple Software Face Academey, KGISL, American Mega Trends Hexaware, Glorieux Infosystem, mcAMDOIS

Batch:: 2012 – 2016(As on Date)			
Branch	No. of students placed	% of placement	Name of the Employer
MECH	70	57%	Accurate Steels Forgings(India)Limited,chennai.Unique Shell Mould(India)Pvt Ltd.Indo shell cast Pvt Ltd,CBE.Kairali steels and Alloys Pvt Ltd ,Palakad.Sungwoo Hitech India Pvt,Chennai
CIVIL	35	51%	E.P.Software Technologies, KGISL, Glorieux Infosystem Pvt Ltd,Esha Builders Erode,DS Associaters CBE,Junaid Constructions Erode,GK Constructions,Heaven Home Builder CBE.
ECE	20	59%	Digital Nirvana Pvt Ltd, Glorieux Infosystem Pvt Ltd, Vee Technologies, Avalon Technologies Pvt Ltd, Skypro Technologies, Galore Networks Pvt Limited, Coginzant Technology Pvt Ltd,
EEE	16	33%	KGISL, Avalon Technologies Phoenix Medical Systems, Glorieux Infosystem, Vivid Technology,Ganga Solar Solutions
CSE	35	88%	E.P.Software Technologies, Vee Technologies, Skypro Technologies, Vinayaga Infotech, Glorieux Infosystems, Vivid Technology



Placement Activities – Campus Drive by M/S Vinayak Infotech – Pre-Placement Talk

OUR RECRUITERS



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, the institution have a student grievance redressal cell.

S.No.	Name	Designation & Dept.	Position
1	Prof. G. Thangavel	HOD / Mech	Chairman
2	Dr. S. Kumar	HOD / ECE	Member
3	Prof. B. Manivannan	ASP/ CSE	Member
4	Prof. N. Ramesh Kumar	HOD / EEE	Member
5	Dr. G. Balaji	HOD / S&H	Member
6	Prof. V. Veeraramkumar	HOD / Civil	Member
7	Dr. K. Sundareswari	HOD / Maths	Convener

S.No.	Grievances Reported	Reported Date	Actions Taken	Date
1	Need extra timing for Library	05.07.2011	Library timing has been extended	11.07.2011
2	Need extra timing for internet usage in Net Centre	14.10.2012	NET timing has been extended	20.10.2012
3	Dining Hall for days scholar students	10.07.2013	Arranged separate dining place for days scholars	21.07.2013
4	Asked to increase the transportation facilities	02.08.2014	Increased numberof buses	12.08.2014

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

The institution has separate Sexual harassment cell consisting of following members.

S.No.	Name	Designation & Dept.	Position
1	Mrs. S.M. Karpagavalli	ASP / CSE	Chairperson
2	Mrs. K. Vanitha	AP / CSE	Member
3	Dr.K. Sundareswari	HOD / Maths	Member
4	MrsY. Devakumari	ASP / Physics	Member
5	Mrs. Ramya	AP / Maths	Member
6	Mrs. Fathima Darras Gracy	AP / Civil	Memeber

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, the institution has an anti-ragging committee.

S.No.	Name	Designation& Dept.	Position
1	Dr. A.M.J. Md. Zubair Rahman	Principal	Chairman
2	Dr. M. Mohamed Musthafa	Vice – Principal/HOD/CSE	Member
3	Mr. A. Mohamed Safiyullah	Administrative Officer	Member
4	Dr. G. Balaji	HOD / S&H	Member
5	Prof. G. Thangavel	HOD / Mech	Member
6	Dr.S. Kumar	HOD / ECE	Member
7	Mr.B. Manivannan	ASP / CSE	Member
8	Mr. N. Ramesh Kumar	HOD / EEE	Member
9	Mr.V. Veeraramkumar	HOD / Civil	Member

The above details is displayed in the students circulated area.

- ✓ No such instances happened.
- ✓ The committee will conduct meeting repeatedly with the students every year to avoid such instances.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

- ✓ Financial assistance are made for poor and meritorious students
- ✓ Cash awards are introduced by the management to students who excel in their examinations and 100% attendance in every semester.
- ✓ Value added courses are made available to students by the institution.
- ✓ Indoor / outdoor games facilities are available for the students.
- ✓ Extra evening lab hours available with internet facility.
- ✓ Library working hours are extended.
- ✓ Scholarship and other financial assistance are available for poor and meritorious students.
- ✓ All necessary documents provided to the student to get bank loan.
- ✓ All the student are covered under group insurance scheme.

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, institution has registered Alumni Association.

5.2 Student 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	Percentage (As on Date)			
		2009 – 2013	2010 – 2014	2011 - 2015	2012-2016
MECH	UG to PG	2%	4%	3%	2%
	PG to M.Phil	-	-	-	-
	PG to Ph.D.	-	-	-	-

	Employed through Campus selection & Other than campus recruitment	86%	86%	80%	57%
CIVIL	UG to PG	-	3%	4%	9%
	PG to M.Phil	-	-	-	-
	PG to Ph.D.	-	-	-	-
	Employed through Campus selection & Other than campus recruitment	-	94%	87%	5%
ECE	UG to PG	10%	8%	7%	12%
	PG to M.Phil	-	-	-	-
	PG to Ph.D.	-	-	-	-
	Employed through Campus selection & Other than campus recruitment	67%	81%	74%	59%
EEE	UG to PG	5%	2%	-	6%
	PG to M.Phil	-	-	-	-
	PG to Ph.D.	-	-	-	-
	Employed through Campus selection & Other than campus recruitment	40%	64%	49%	33%
CSE	UG to PG	5%	3%	8%	5%
	PG to M.Phil	-	-	-	-
	PG to Ph.D.	-	-	-	-
	Employed through Campus selection & Other than campus recruitment	79%	94%	92%	88%

5.2.2 Provide details of the programme wise pass percentage and completion rate for 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.

UG

S.no	Department	BATCH (As on Date)							
		2009-2013		2010-2014		2011-2015		2012-2016	
		Number of student passed	Percentage	Number of student passed	Percentage	Number of student passed	Percentage	Number of student passed	Percentage
1	CIVIL	---	----	28	85%	32	68%	49	72%
2	CSE	32	82%	56	85%	18	69%	34	85%
3	EEE	40	93%	54	92%	26	79%	39	81%
4	ECE	47	96%	52	88%	26	60%	23	68%
5	MECH	60	94%	108	89%	101	79%	103	84%

PG

S. No.	Department	BATCH (As on Date)					
		2012-2014		2013-2015		2014-2016	
		Number of student passed	Percentage	Number of student passed	Percentage	Number of student passed	Percentage
1	M.E.CSE	24	100%	18	100%	5	56%
2	M.E VLSI Design	-	-	11	79%	6	75%
3	M.E CAD/CAM	-	-	11	78%	4	50%

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

Seminars / special lectures are conducted by inviting eminent persons from various prestigious Institutions /soft skills training programs are also conducted at regular intervals.

Guest Lectures are conducted on the higher education opportunities in India and abroad by various external personalities from India.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

- ✓ Students who are at the risk of failure and drop out will be identified by the class advisors and provided special attention and counseling.
- ✓ Remedial classes and retests are conducted for the students who fail in the examination.
- ✓ Parent-Teacher meeting will be conducted periodically.

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.

S.No	Infrastructure	Area(Sq.ft)	Cost of Civil Works only (Rs.)
1	200 m standard Athletic Track with Cricket field	64,550	72,000
2	Foot ball field	43,571.5	55,000
3	Volleyball Courts	3765.4	12,000
4	Ball Badminton-1 Nos.	3098.4	12,000
5	Kabaddi Court-1Nos	1344.8	8,000
6	i. Gym for Men: ii. Gym for Boys –Hostel: iii. Gym for Women-Hostel:	900	5,000

7	Indoor games for Boys - Table Tennis Court-1 Nos.	387	15,000
8	Carrom Board- 2 Nos.	387	16,000
9	Hand Ball Court	3765.4	12,000
10	Shuttle Court (Outdoor)	879	12,000
11	Cricket Nets	580	25,000

S. No	Students Name	Class	Event Name (Sports / Games)	Date and Venue	Prizes /Medals won in the Sports events (inter/zonal/university)
1	S.Dhanasundaram	III-Mech	State Level – Chess Tournament	29.6.2013 & 30.6.2013 Mahendra College of Engg,Salem.	4 th Place
2	B.Paripoornan	IV-EEE	Erode District Chess Tournament	10.8.2013 & 11.8.2013 Vijay Vikas Matric School,Perundurai	2 nd Place
3	B.Paripoornan	IV-EEE	All –India Fide Rated Chess Tournament	Pavender Bharatidasan , Institutions,Trichy	10 th Place
4	S.Dhanasundaram	III-Mech	District Level Chess Tournament (Erode & Namakkal Dt)	29 th Dec'13, SSM Matric Hr.Sec.School, Komarapalayam	3 rd Place
5	S.Dhanasundaram	III-Mech	District Level Chess Tournament	Rotary Club of Bhavani	4 th Place
6	M.Habeeb Rahman	III-Mech	Zonal Athletics Meet	Kongu Engg.College,Perundurai	2 nd Place -100M Dash
7	Prithiv Raj	II – Mech	Erode District Cricket Association	VOC Park, Erode	Best All- Rounder
8	Muhaimin Sheik	III – CSE	TIES – Cricket Match	Thiyagarajar College	Man of the Match
9	R.S.M. Md. Ashick	III – CSE	Zonal Athletics Meet	Kongu Engg.College,Perundurai	2 nd Place- Shotput Throw
10	Mohamad Fizal	II – EEE	Zonal Athletics Meet	Kongu Engg.College,Perundurai	Kabaadi

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.

S. No	Students Name	Class	Event Name	Date and Venue	Prizes won events
1	S.Dhanasundaram	III-Mech	State Level –Chess Tournament	29.6.2013 & 30.6.2013 Mahendra College of Engg,Salem.	4 th Place
2	S.Dhanasundaram	III-Mech	District Level Chess Tournament (Erode & Namakkal Dt)	29 th Dec'13, SSM Matric Hr.Sec.School, Komarapalayam	3 rd Place
3	S.Dhanasundaram	III-Mech	District Level Chess Tournament	Rotary Club of Bhavani	4 th Place
4	B.Paripoornan	IV-EEE	Erode District Chess Tournament	10.8 & 11.8 Vijay Vikas Matric School,Perundurai	2 nd Place
5	P.I Ajmal	III – Mech	Anna university Zonal Atheletic Meet	Anna university Zonal Atheletic Meet	3 rd Place
6	M. Mohamad Fizal	II – EEE	Chief Minister Trophy	23.01.2015 to 25.01.2015 SDAT, Coimbatore	2 nd Place
7	Prithiv Raj	II – Mech	All India Cricket association	22.02.2015 – 27.02.2015 Chennai	Best Player
8	Prithiv Raj	II – Mech	State level Tournament	19.03.2015 CIT, Coimbatore	Man of the Match
9	Mohamad Fizal	II – EEE	Anna university Zonal Atheletic Meet	Anna university Zonal Atheletic Meet	Kabaadi

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 the institutional provisions?

Separate feedback forms are given to the graduates and valuable feedback is collected.

Apart from the structured questionnaire feedback from alumni and employers, from time to time, suggestions are invited for the improvement of available infrastructure, introduction of additional facilities etc. This helps in a long way in bridging the gap between the expectations of the industry and knowledge and training imparted to students through curriculum. This process results in designing VAC for different disciplines, enhancing available facilities, modernizing teaching - learning process etc. Training and Placement Cell and Entrepreneurship Development Cell also fine tune their activities to suit the needs of the industry.

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.

News Letter Committee invite various articles from the students and edits and publishes it. Students also participate and publish research Papers in both the National and International conferences. They are also encouraged to contribute articles for college magazine.

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

No, the College does not have the student council.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

The student representatives in the following academic bodies of the organization are follows.

- ✓ Class Committee
- ✓ Hostel Committee
- ✓ Department Associations
- ✓ Indian Society for Technical Education (ISTE)-Student Chapter
- ✓ NSS

- ✓ YRC and RRC
- ✓ Alumni Association

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

Alumni students are consulted for developing and reviewing educational objectives of the department.

Alumni meets are organized by the Alumni Association at the end of every academic year

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT**6.1 Institutional Vision and Leadership**

6.1.1 State the vision and mission of the Institution and enumerate how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Vision

It is our endeavour to evolve as a globally competent Technical University and to build centre of Excellence in Engineering, Technology, Applied science and management.

Mission

We are committed to achieve sterling standards in Academics, Research and other social service activities besides being poised to produce outstanding and holistic professionals.

Our mission is to emerge as an excellent learning centre for budding professional engineers, where social and ethical values are imparted along with technical education that promotes expertise. The education imparted in the college trains the students to take up challenges and become competent to render selfless service to humanity. In the process of moulding each and every student as a successful citizen, the institution faces many challenges since they lack communication skills. Their rural background does not provide sufficient information regarding tertiary education and the career prospects it offers. The college helps them and shapes them carefully with the help of the faculty who counsels them and takes care of them in each and every phase of their life during their study period. By promoting the college into an Institution of excellence; this will serve the rural youth by providing easy access to higher education and job opportunities.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

Quality Policy:

"To be a good leader in providing self disciplined, quality education, training and research in Engineering and Technology with dedicated support of staff members and infrastructure for developing manpower to face the challenges of Globalization".

- Empowering the youth through technical education and providing professional leadership
- Placing faith in human values
- Providing excellent teaching and research environment
- Industrial interaction
- Providing excellent infrastructure facilities
- Aiming at continual improvement in all activities

Top Management

Al-Ameen Educational and Charitable Trust is the top Management of the institution. The trust is responsible for infrastructure, finance and recruitment of the personnel. The top management consists of President, Secretary & Correspondent, Vice Presidents, Treasurer, Joint Treasurer, Joint Secretary, Principal and Administrative Officer. The college governing council meets and discusses based on the inputs received from the Principal, HODs and other stakeholders to design/ modify changes in quality policies whenever required.

Principal

Principal convenes meeting with Vice-Principal, HODs, Placement Officer and Administrative Officer. All sorts of academic, placement, co and extra-curricular activities of the students are discussed at length. Planned activities will be carried out in due course. In the meeting, the Principal conveys the steps to be taken to implement the quality policy and plan. Principal frequently interacts with faculty and students to get the feedback and he also interacts with management for the development of Institution.

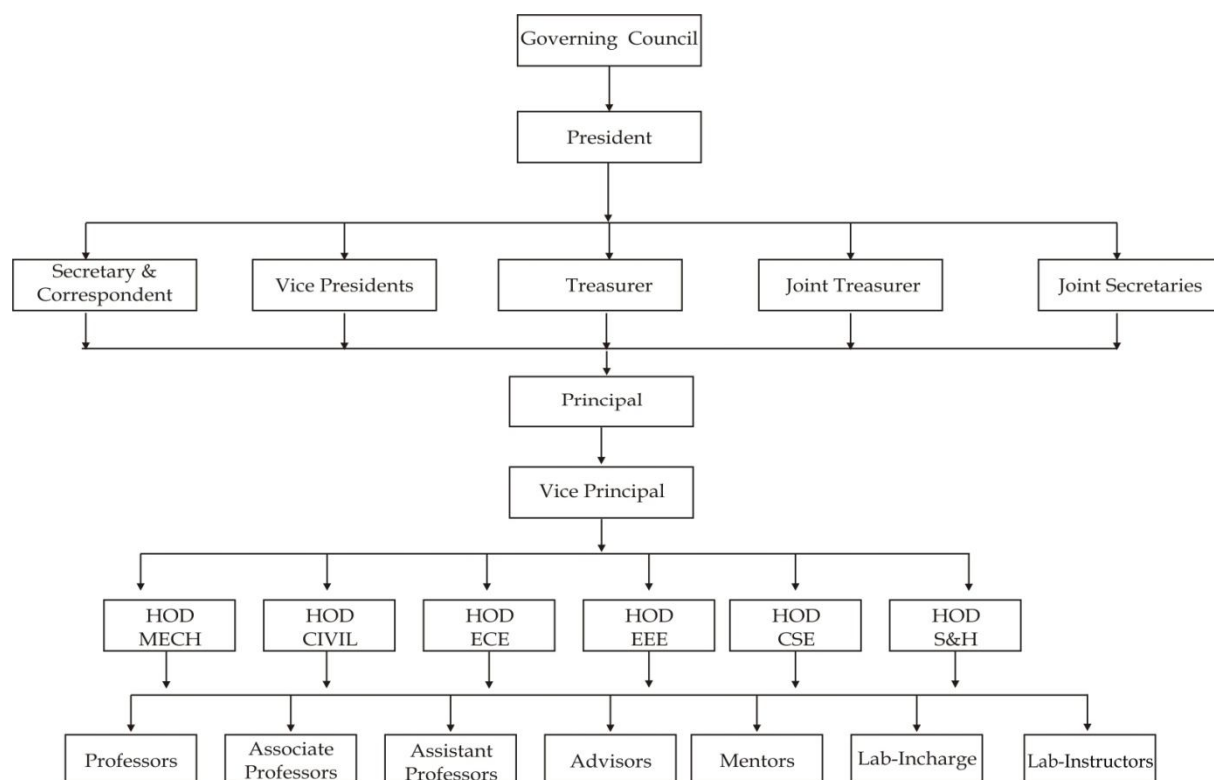
HOD

The departmental faculty meeting will be conducted once in forth-night to view and review all academic and other departmental activities. The Internal Assessment, attendance, placement training programme, extracurricular and co-curricular activities of all the students are discussed. The portion completion of all the subjects and laboratories will be clarified by HOD from the respective faculty in-charge of the subjects and laboratories. HOD conducts class committee meeting with Class committee student members. The internal assessment test performance of students and their monthly attendance percentage will be discussed. Students suggest their needs to the HOD. He deals with the existing activities and finds improvement in students performance and department. Parents meeting are conducted every semester in which parents participated to discuss their ward's academic and other performances in the institution. This helps students to improve in their performance. HOD conducts hostel committee meeting with hostel committee members and discuss with the problems faced in the hostel by students.

Faculty

Faculty maintains a high sense of dedication towards their duties with high responsibility. Faculty adheres to the rules and regulations of the Institution and also plays a major role in design and implementation of quality policy. Faculty share their experiences and expertise while designing the quality policy. Faculties counsel the students about the importance of quality and identify their difficulties and guide them to improve their performance. Faculty actively associates with all departmental Institutional activities such as arranging guest lectures, seminars, workshops etc.

Micro level organizational structure of the Institution



6.1.3 What is the involvement of the leadership in ensuring:

The policy statements and action plans for fulfillment of the stated mission

In accordance with the mission statement of the institution, the Principal in consultation with the Heads of the department frames the policy statements and draws action plans in the beginning of every academic year and they are approved by the top management.

Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan

The ways and means of implementing the action plans are formulated by the faculty members of individual departments and the stages of implementation are monitored by the Head of the department.

Interaction with stakeholders

- Institute organizes the parents meeting to keep them posted with the information regarding the progress of their wards.
- Student counselling is conducted periodically by mentors to identify their problems and they are resolved appropriately.
- Alumni meetings are conducted to get the suggestions for the betterment of the Institution.
- Meeting with industrial experts are conducted to get the suggestions about recent trends and needs of industries.
- Based on current trends the needs are analyzed, planned and implemented in consultation with the stake holders.
- Management collects the inputs from stake holders about academic results, projects, new programs, research and placements to improve the quality of students as well as Institution.

Proper support for policy and planning through needanalysis, research inputs and consultations with the stakeholders

- Internal funds for the R&D based activities are provided if any faculty or whole department is willing to implement any technical / social / survey projects.
- Fund to organize FDP / Conference / Workshop / Seminars / Competitions / Exhibitions.
- Concession in Tuition Fee / Residential Fee by identifying the Student's achievement in Academic / Sports / Family Annual Income through their Parent's profession.
- Research related equipment Procurement: The Management supports the faculty in procuring equipment for their research oriented processes. The available and existing laboratory equipment are also permitted by the management to be used by the faculty and students for their research.

Reinforcing the culture of excellence

The Motto of our institute, “Smart way to Success” is always avidly maintained. The college believes and strives for success in a smart way through methods of professionalism.

Champion organizational change

Promote collaborative introduction among organization members, establishes a supportive social climate and promotes the practices that ensure equitable treatment by organizing orientation programme, research and development programme, career guidance programme for faculty and students which are considered critical for organizational change.

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?

The Head of the institution

- Holds meetings at regular intervals with the HODs regarding curricula, classes, internal and University examinations.
- Oversees the preparation of academic calendar and prospectus of the college.
- Reviews facilities and works out plans for overall improvement.
- Arranges motivational lectures for students to help them achieve academic excellence.
- Disseminates information about job prospects through the placement cell.
- Uses the facilities of the Class Committee, Hostel Committee, Parents meeting, Alumni Association meeting and Employer’s feedback to address and solve the problems faced by students.
- Allocates a proper budget for each department keeping in mind the specific requirements.
- Takes appropriate administrative steps to ensure that available resources in the college are best utilized for the benefit of the students.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

The decision making power is delegated to all members of faculty under various committee along with their regular activities. By this way, the academic leadership is provided to the faculty by the top management. This decentralization based responsibilities and authorities are provided for the betterment of administration in the institution for the welfare of the students by implementing the action plans at academic, co-curricular, extra-curricular and other activities levels. The responsibilities and committee details are presented below

Name of the Committee / Responsibility	Name of the Faculty / Co-ordinator	Designation & Department
Governing Council	Dr.A.M.J.Md.Zubair Rahman	Principal
IQAC Co-ordinator	Prof.S.Kumar	HOD / ECE
NAAC Steering Coordinator	Dr.G.Balaji	HOD / S&H
Accreditation Coordinating Committee	Dr.G.Balaji Mr.B.M.S.JavedAhamed Mr.O.Cyril Mathew Mr.R.Gobinath	HOD/ S&H ASP /CSE Asst.Prof /ECE Asst.Prof /Mech
Examination Cell	Mr.N.Jafarulla	Asst.Prof /Chemistry
Library Co-ordinating Committee	Mr.Chidambaram	Librarian
Disciplinary Committee	Mr.Nagaraj	Physical Director
Grievance & Redressal Committee	Mr.G.Thangavel	Prof / HOD Mech
Research & Development Cell	Dr.M.Md.Musthafa	Vice Principal
Training and Placement Cell	Mr.R.Sahul Hameed	Placement Officer
Counselling and Career Guidance	Mr. M. Santhose	Associate Prof. /Mech

Department Placement Coordinators	Mr.M.S.Md.Musthaq Mr.V.R.Vellingiri Mr.Riyas Mr.Z.Shaheel Hameed Mr.M.Jayalani Mr.B.B.Rajkumar	Asst.Prof/ Mech Asst.Prof/ Mech Placement Trainer Asst.Prof/ ECE Asst.Prof/ EEE Asst.Prof/ Civil
Co-Curricular Activities:		
I.S.T.E. Staff Chapter	Mr.N.Ramesh Kumar	Professor & HOD / EEE
I.S.T.E. Students Chapter	Mr.N.Ramesh Kumar	Professor & HOD / EEE
Entrepreneurship Development Cell	Mr.G.Thangavel	Prof / HOD Mech
Extra Curricular Activities:		
Alumni Association	Dr.M.Md.Musthafa	Prof / HOD Mech
Youth Red Cross	Mr.C.Ramesh Kumar	Asst.Prof/ Physics
Red Ribbon Club	Mr.C.Ramesh Kumar	Asst.Prof/ Physics
N.S.S.	Mr.P.Boopathi	Asst.Prof/ Maths
Group Discussion Club	Mr. R. Dhilip Kumar	Placement Officer
Fun Club	Mr.Azarudeen	Placement Trainer
Aptitude Club	Mr.M.Gnaniyar	Placement Trainer
Motivation Club	Mr.Dhilikumar&Mrs.Sathya	Placement Trainer
Debate Club	Mrs. Sathya	Placement Officer
Science Club	Mr.N.Jafarulla	Asst.Prof / Chemistry
Women Development Cell	Mrs.S.M.Karpagavalli	Asst.Prof / CSE
Maths Club	Mrs.K.Sundareswari	Asst.Prof/ Maths
Readers Club	Mr.Chidambaram	Librarian

Others:		
College Calendar and Press Coordinator	Mr.R.ThoufiqAhamed	Asst.Prof / CSE
AL-NEWS Newsletter	Mr.O.Cyril Mathew	Asst.Prof / ECE
Website Maintenance	Mr.M.MdNasar	System Admin / CSE
Admission Coordinator	Mr.A.SathikBasha	Asst.Prof / EEE
Deputy Wardens (Gents)	Mr.J.S.JavithSaleem Mr.S.AjmeerHabibullah	Asst.Prof / Mech Asst.Prof / CSE
Deputy Warden (Ladies)	Ms.C.Kalaivani	Warden
Transport	Mr.V.Suresh	Asst.Prof / EEE
Staff Club	Dr.A.M.J.Zubair Rahman	Principal
Estate Maintenance	Mr.K.Murugesan	Estate Officer
Furniture In-charge	Mr.R.Rajadurai	Asst.Prof / Civil
Stationary In-charge	Mr.P.L.Srenatthan, Mr N .Rajkumar	Asst.Prof / Mech

6.1.6 How does the college groom leadership at various levels?

Management Level:

Forms various committees with faculty at the helm and train them in leadership. It also appoints the Principal and Vice-principal as members in the committee.

Principal Level:

Responsible for academic and administrative activities of the Institution. Hence forms several committees (with the approval of management) with staff members as head of such Committee and grooms leadership.

HOD Level:

Responsible for overall functioning, laboratory and maintenance of department. Forms the head of the departmental committee, groom staff members to lead different departmental committee.

Faculty Level:

- As mentors and class advisors.
- Planning and execution of several department activities, preparation of budget and purchase effectively.
- As coordinators for preparation of ISO, NBA, NAAC inspections.
- Organizing College Day, Graduation Day, Independence Day, Sports Day Association function and other functions.

Students Level:

- As members of various social clubs, non-social clubs and department association.
- Permitted to take the role of office bearers, to execute and to organize association activities themselves so as to expose their responsibilities and duty consciousness.
- Encouraging to visit various Industries / Corporates / Companies / Factories / Shops / Mills, which provide opportunities for gaining knowledge at the technical and administrative levels.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

The Institution believes in promoting a culture of decentralized governance system,

- Governing council empowers the Principal to make plans and implement them through decentralized governance by delegating authority to various levels for better performance.
- HODs have the operational autonomy to plan, budget and execute the various activities of their department with the involvement of the faculty members
- Faculty members head various committees to execute the works distributed from time to time.
- Non-teaching staff members play a role at the implementation level of the plans.
- Students experience the autonomy to enjoy the freedom of thought and implementation of their activities.

6.1.8 Does the college promote a culture of participativemanagement? If ‘yes’, indicate the levels of participativemanagement.

Yes, the Governing Council of the institution includes the Principal along with the senior faculty members. In addition to that, the management is always open to discussion with the teaching and non-teaching staff which, in turn, encourages the involvement of the staff for the improvement of effectiveness and efficiency of the institutional process.

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?

Quality Policy:

"To be a good leader in providing self disciplined, quality education, training and research in Engineering and Technology with dedicated support of staff members and infrastructure for developing manpower to face the challenges of Globalization".

- Empowering the youth through technical education and providing professional leadership
- Placing faith in human values
- Providing excellent teaching and research environment
- Industrial interaction
- Providing excellent infrastructure facilities
- Aiming at continual improvement in all activities

Based on the vision and mission of the Institution, the governing council develops the quality policy driven by the needs of the industries, society and stakeholders to bridge the gap in curriculum and the same is deployed and monitored through:

- Enhancing teaching-learning process.
- Making self deployment through FDP.
- Arranging industrial visits, inplant trainings, guest lecture for students.

- Efforts are taken to provide career opportunities for the students.
- Students' performance is analysed by faculty and faculty performance is analysed by HOD & Principal. Finally the feedback is given to the management.

Quality policy is periodically reviewed by the information gathered from the students, parents, various committees on teaching-learning process and development of the Institution are acknowledged for the further improvement of the performance and decision making.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

Yes. The college has a 20 years perspective plan for development in the following areas

- Academic activities, Infrastructure Development, Research and Development
- Community Engagement, Human Resource Planning and Development
- Industry Interaction
- Internationalization

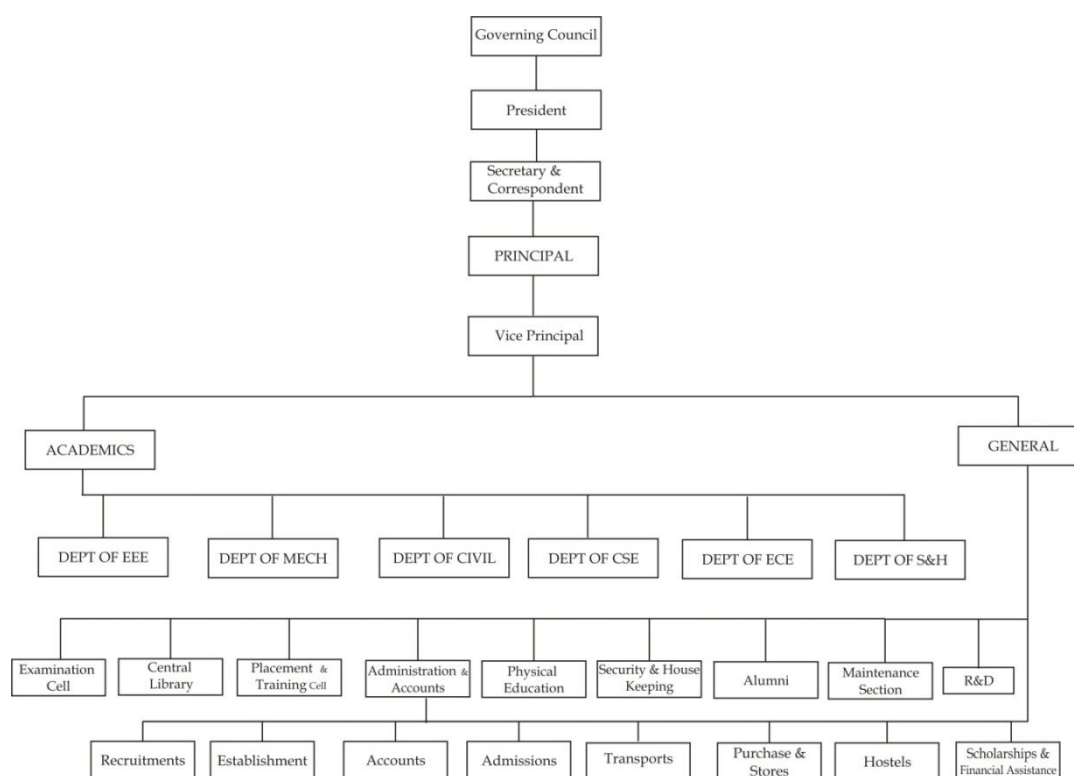
Major milestones achieved as per the perspective plan:

Year	Major milestones
2009	Al-Ameen Engineering College started with B.E. programmes with <ul style="list-style-type: none"> • B.E. Mechanical Engineering (60) • B.E. Electronics and Communication Engineering (60) • B.E. Electrical and Electronics Engineering (60) • B.E. Computer Science and Engineering (60) Approved by AICTE & Affiliated to Anna University Coimbatore
2010	<ul style="list-style-type: none"> • Started new programme - B.E. Civil Engineering (60) • Increase in intake in - B.E. Mechanical Engineering (120)
2011	Formation of Full fledged Training and Placement Cell
2012	Started M.E. Computer Science and Engineering

2013	<ul style="list-style-type: none"> • Started M.E. VLSI Design & M.E. CAD/CAM • Establishment of EDC • Planned to prepare for accreditation by NAAC
2014	<ul style="list-style-type: none"> • Formation of R&D cell • Formation of various clubs
2015	<ul style="list-style-type: none"> • Preparation of NAAC SSR
2016	Preparation for research centre – CSE, S&H, ECE and Mechanical Engg.
2018	Plan for NBA
2020	Plan for Autonomous status
2029	Plan for Deemed University

6.2.3 Describe the internal organizational structure and decisionmaking processes.

The college is run by Al-Ameen Educational and Charitable Trust. The President, Secretary and Correspondent take care of functioning and operations of academic and administrative aspects of the Institution. The Principal heads the academic and administrative departments of the college. The Vice-Principal and HODs are in-charge of academic and administrative functioning of the departments. Faculty takes care of the academic aspects and activities related to co-curricular and extra-curricular aspects. The college has various committees to monitor the quality of the Institution. The following flowchart shows that the internal organizational structure and decision making process.



6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

Teaching & Learning

The vision and mission statement focus on providing quality education which enables the learners to be globally competent especially responsible and ethically desirable. In order to materialize the same, the institution gives the learners a good infrastructure and recruits committed teachers who are sincere about serving the learning community with necessary knowledge, skills and expertise. All the academic programmes and research initiatives of the institution aim at making the students cater to the needs of society. The subjects are allotted to the faculty before the semester begins based on their specialization and experience. The faculty members are then asked to submit the Lecture plan, notes and question bank to the HOD. Faculty maintains the subject log books, records of daily lectures delivered and practicals conducted. This is reviewed by the HOD and counter signed by the Principal. Internal tests are conducted to the students and their results are analysed. Based on the results, the following remedial measures are taken

- Guiding the students on the preparation and presentation in exams.
- Arranging tutorial classes.
- Conducting remedial for slow learners.
- Conducting additional tests.
- Offering counsel to the students.
- Encouraging the students to attend workshops, conferences and seminars.
- Providing references materials.

The Effectiveness of the Teaching –Learning Process is reviewed regularly based on the following:

- Students Feedback
- Results of Internal examinations
- University examination results

Research & Development

Faculty is encouraged to pursue research by providing them the facilities by research committee and journal committee. The above mentioned committee is framed to motivate the faculty and students to promote research and development activities and registering for patents. Further also encourage technical publications, submission of research proposals to various funding agencies. Faculty is allowed for on-duty leave with financial support to attend the seminars, research activities etc. We received the grants from AICTE and other funding agencies, which helps our faculty to pursue their research.

Community engagement

The institution shows concern upon the development of the professional skills and the participation of services in a society. Each stakeholder puts his/her contribution in the following way.

- The college organizes blood donation camp, eye check-up camp once in a semester through NSS, Red Ribbon Club and Youth Red Cross.

- The college NSS unit through its service to villages has done a lot of community services benefiting the rural children, women and other residents.
- Tree Plantation Camp is arranged. It has received an award from “Sakthi Masala” for tree plantation as a mark of respect for the social service.
- Orientation programme was conducted for the school children.
- Donations are raised in the campus whenever there are natural calamities.
- Various online examinations are also conducted in the college campus.

Human resource management

This is achieved through

- Well-defined recruitment policy based on merit of the applicant within the general frame-work of the Government norms
- Providing a better teaching-learning environment in the institution
- Holding staff development programs for junior faculties.
- Providing on duty to the faculty for attending seminars, symposia, Workshops, invited lectures and research activities.
- Encouraging faculty members to attend leadership training programmes in India and abroad

Industry interaction

Industry interaction is necessary to understand the current trends in industries. MOUs are signed with other industries to get our students trained through in-plant training and eventual placement. The industry interaction made by the following,

- Industrial Visits
- In-plant Training
- Guest Lectures by professionals from industry
- Entrepreneurship Development Cell
- Professional bodies like CSI, ISTE, etc.

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 institution?

The following are the different ways for passing the information to the top management and stake holders, to review the activities of the institution.

- The Head of the institution reviews the college activities and ensures that the adequate information is passed to the top management and stakeholders through the issues discussed in the Governing Council meeting conducted twice in a year.
- Revising the quality objectives and department objectives, Analysis of students performance in the university examination, discussion on arrear status of all departments, Training and placement activities, R&D activities, budget allocation and requirements of each department are discussed in the Management Review Committee.
- In each semester the institute collects feedback from the students about their subject handling faculty and makes decisions about it for further improvements.
- Parent–Teacher meeting is conducted to discuss performance and further improvement of the students education. At the end of the meeting students and their parents submit the feedback about the college and the department. If any grievances are mentioned discussion was done to identify the problems and resolve them.
- Regular meeting is arranged with the faculty and students for the necessary improvements in various aspects.
- Review the suggestions received through the suggestion boxes from the students and faculty.
- Reviewed the valuable points received from the Guest of Honor and Chief Guests.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

Top Management clearly understands that the staff members are the primary resource of the institution.

- Involving the staff in improving the effectiveness and efficiency of the institutional processes is ensured through their participation at all levels.
- Management empowers the staff by encouraging them to offer suggestions for curriculum development and in turn recommending the worthy proposals to the University for its implementation.
- Designing the required training program and preparing annual plans.
- Preparing minor, major projects, seminar proposals, publication of books, research papers and articles and forwarding them to agencies concerned.
- Freedom of action and decision, freedom of thought and expression are the provision of idea generation and implementation.
- Doing consultancy services and undertaking extension programmes.
- Evolving innovative teaching-learning and evaluation methods.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

The management has made several resolutions on academic, administrative and financial aspects of the college and they have successfully been implemented. Some of them are Incentives are given

- To improve the research activity even further
- To seek 2(f) recognition from the UGC.
- To apply for getting accreditation from NAAC
- To apply for a Research Centre Status for the departments of Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering and Science and Humanities.
- To prepare and submit suitable project proposals to AICTE and other external funding agencies.
- Department can also involve in Training and Placement activities.

Status of implementation of resolution passed by Management Council is:

- Journal publications are encouraged and necessary steps are taken to publish the research papers of faculty and students in reputed journals.
- The College has applied for 2(f) recognition from the UGC.
- Application for accreditation from NAAC is in progress.
- Research Proposals like MODROB, Seminar Grants, and FDP are submitted to AICTE.
- HoDs and Faculty members are also involving in placement activities in association with Training and Placement Cell.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

Yes. Anna University has a provision for according the autonomy status to an affiliated institution by a set of norms revised from time to time. Efforts are made by the institution for attaining the same at the appropriate time.

- The institution should have completed 10 years of existence.
- Excellent academic track with University ranks
- State-of-the-art infrastructure in all the areas
- Encouraging the faculty members to go for funded projects
- Good track record of training and placement
- Improving the industry-institute partnership
- Accreditation by either NAAC or NBA

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?

The college has a Grievance Redressal Cell in place. Grievances may be brought to the notice of the authorities by direct communication. The members of the cell give a patient hearing to the aggrieved person and then try to sort out the issue amicably. We firmly believe that most, if not all, issues may be resolved through discussion alone. Also, Anti-Ragging committee was formed and the contact numbers of the committee members are displayed in all notice boards through which students can contact the committee members for their grievances and to resolve it.

6.2.10 During the last four years, had there been any instances of courtcases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

No. There had no instances of court cases filed by and against our 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 institution to such an effort?

Yes; the Institution has a mechanism for analysing the student feedback on Institutional performances.

- The feedback from the students regarding the staff members, facilities and other issues are received every semester.
- By conducting the class committee meeting the difficulties faced by the students are rectified.
- By means of alumni meeting, the feedback regarding the Institution from passed out students is collected.
- As a result of those feedbacks, the Principal is able to interact with faculty and HODs to improve the Institutional performance. Then Principal is able to convey the problems discussed in the meeting to management. The Management finally takes proper decision to improve the overall competency of the students.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

The institution supports the teaching and non teaching staff to enhance professional development by:

- Permitting 'on-duty' to faculty for writing their course work, attending seminars/ Workshops/ Conferences.
- Registration Fee for National / International Conferences / Workshops.
- Encouraging faculty members to associate with State, National and International professional bodies.
- Enabling staff to make use of the latest equipment through awareness programmes.
- Providing latest study materials including e-Journals to the faculty members through the central library.
- Encouraging participation of faculty in Orientation Programmes, Refresher Courses, Seminars, Workshops and Conferences.
- Providing Wi-Fi facility.
- Faculty makes use of NPTEL video lectures prepared by IIT experts to improve teaching-learning process.
- The Institution provides the facilities for the technical staff members to upgrade themselves and also pursue higher studies.

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?

There are well-defined strategies in our campus for faculty empowerment through training and motivation.

- Faculty Affairs, conducts faculty development programmes to motivate the faculty members on pedagogy.

- Principal and Senior Professors are conducting induction program for new faculty members.
- Senior Professors assess the faculty members and provide personal level feedback for improvement in teaching – learning.
- Institution encourages conducting workshops on effective conduction of theory and laboratory sessions.
- Institution promotes research attitude among faculty members
- Seniors Professors train the faculty members on effective maintenance of department file system.
- Awards and incentives for staff based on performance appraisal.
- The Staff members are appreciated and motivated for their exemplary performance by means of cash awards, certificate of appreciation and promotion.
- 21days vacation for both teaching faculty members and non teaching staff members.
- Unlimited‘On-Duty’ per year for participation in various research activities, workshops, seminars, Faculty development programme, examination duties, etc.,
- 12 Days Casual Leave per year.
- 12 Days Higher Studies Leave per year.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

Institution has a well defined self-appraisal system which reflects the performance of the faculty. The areas in which faculty members appraised are:

Academic Performance (40%):

- Pass Percentage in theory courses
- Students Feedback
- Remedial classes for arrear students.

Contribution / Participations in Research (20%):

- As a Participants in Conference / Seminars / FDP / Workshop / Training Activities
- Contribution in Publication
 - Published papers in journals
 - Published papers in conference proceedings
 - Published books
- Faculty as a Resource person / Chief guest / Jury / Guest Lecture / R&D consultant

Contribution to the Department and Institution (40%):

- Mentor
 - Students Attendance & Result
 - Students participated in Extra-Curricular / Co-Curricular / Sports Activities
- Documentation
 - Course Files, Mentor Documents, Additional Responsibilities Files / Documents.
- Institution Additional Responsibilities / Achievements.

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?

The Faculty Self Appraisal Form is reviewed by the Principal, which is usually recommended by the HOD of the concerned faculty. If any deviation is found in the appraisal, identified faculty will be counselled for improving the performance in academic and other aspects. The management always plays a vital role in the performance appraisal of the faculty. Annual increments and promotions in the grades are all implemented by the management. The management takes effective decisions and provides appraisal details to the appropriate staff members by incorporating the decisions in the proceedings of the meetings of the managing committee to make them aware of the improvements and action plan of the Institution.

Decisions taken by the management are communicated through HOD concerns', circular, official orders etc.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

- Contributory PF
- Giving approval to avail loan from Co-operative Bank, Chinnampalayam.
- Subsidies transport fee.
- Fees concessions are provided for the faculty's ward.
- Hostel facilities are provided for single faculty.
- Festival advance are provided for staff members during festivals and family functions.
- Encouraging the staff with financial support for attending various National and International conferences / workshops.
- Permitting On-Duty Permission for participation and presentations in research.
- Providing higher studies leave to the faculty to do their research works and full support for using the laboratory facilities also for their research works.
- Providing authority to the faculty with responsibility in administration and committee oriented processes.
- On-Duty facility is extended wherever applicable.
- Sponsoring for staff welfare activities. Staff Get together is often organized by the Staff Club and also by the College.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

- Attractive pay scale.
- Providing On-duty permission to the faculty to do their research works and full support for using the laboratory facilities for their research works.

- On-Duty facility is extended wherever applicable.
- Providing authority to the faculty in prestigious roles as Coordinator, Convener and Member of various Committee and Chapters.
- Giving cash awards for best result producing faculty.

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?

The overall budget for the college is approved by the Management at the beginning of each financial year. The budget includes the recurring and nonrecurring expenses of each department for the whole year. Finance department of the trust takes care of the collection of tuition fees, salary distribution, tax payment, Preparation of purchase orders for purchase of laboratory equipments, teaching aids, furniture, payment of bills and maintaining the department budget allocation and expenditure etc. Every financial transaction is recorded. All procedures and dealings are computerized. For day to day expenses a petty cash account is maintained and the account is recouped weekly. The institute maintains the account by means of a software called Creative. Each transaction is supported by Vouchers.

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.

The institution is having qualified practising Chartered Accountant as internal and external auditors who are auditing the accounts of the college. After the audit, the report is sent to the management for review. The auditors are appointed by the board of trustees.

- The internal audit will be done once in three months and external audit once in a year.
- External audit was done on 30.09.2015 for the period ending on 31.03.2015
- Internal audit was done on 30.10.2015 for the period ending on 30.09.2015

- Last audit was done for the period ending on 31.03.2015 and as on date there is no adverse remark on the accounts of the institution. The college is filing income tax return every year within the stipulated time.

The complete account is thoroughly audited by an auditor every year. This is to ensure that income, liabilities and expenses are in order for smooth functioning of the transactions and to make sure that the transactions that took place in previous years are so made that the major objectives of the institute are met. Balance sheet is prepared by the auditor and submitted to the respective government authorities for transparency in the financial transactions.

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.

As the college is a self financing Institution, affiliated to Anna University, its income is mainly from tuition fee receipts, as fixed by State Government. Due to collection of sufficient funds, there is no deficit. If there is any deficit, the Management will bear it.

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 encourages each department to generate funds for the following activities:

- To modernize the existing laboratory for advance learners.
- To create a research environment by procuring research equipments and other facilities.
- To conduct national and international conference for research exchange.
- To conduct national level seminars, workshops and for the benefit of students and faculty members.
- To travel across the globe for research exchange.

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)? .6 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 vision and mission, quality policy is stated in 1.1.1.

b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

- Enhancing teaching-learning process.
- Recommends to organize/attend FDP, seminars, workshops, etc.
- Efforts are taken to provide career opportunities to all the students.
- Course materials must be prepared with visual aids.
- Efforts are taken to provide career opportunities to all the students.

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

Yes; IQAC has External members. They have offered suggestions based on their perspectives in improving the performance of our Institution.

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.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

IQAC communicates with faculty and students through Heads of the Departments. All the Heads are members of IQAC.

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 operationalisation.

Yes; the academic and administrative activities are monitored regularly through internal and ISO audits, as our Institution is **ISO 9001:2008** Certified Institution. In addition to this accreditation process also helps in ensuring quality in academic and administrative activities.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

Yes, the institution takes all the care to maintain quality assurance to its staff. The following steps are adopted for the benefit of students and faculty.

- Faculty members are sponsored to get trained in programmes like
 - Orientation and Refresher Programmes
 - Summer and Winter Programmes conducted by University Colleges, NITs and IITs.
- Encouraged to participate in conferences and seminars.
- Encouraged to apply for AICTE Projects.

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?

Academic audit is a regular feature for continuous monitoring of the students and their academic performance. The affiliating university regularly monitors the performance regularly by the way of submitting the following to the university.

- Monthly Student's Attendance.
- Internal Exam Marks.
- Semester Exam Marks.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

IQAC looks after the academic and administrative functioning of the institution and is accepted as the umbrella council for planning, execution and implementation of quality programmes. The alignment of internal quality assurance mechanisms with the requirements of the relevant external quality assurance agencies/ regulatory authorities is achieved through the implementation of the perspective plan.

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?

HOD allots the subjects to the faculty as per their specialization. The faculty are requested to submit the lecture plan and lecture notes for 2 to 3 units before the commencement of the semester and this will be verified by the HOD. Senior faculty members are asked to review the teaching of junior faculty members. Internal Assessment Examinations (IAE), Assignments, seminars are a part of the timetable and parent teacher meetings, Class counselling and Class Committee meetings are the measures in vogue to review the teaching learning process.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

Institution communicates its quality assurance policies, mechanisms and outcomes to internal stakeholders (Students, Staff) through meetings, circulars and notice boards and to external stakeholders (Parents, Alumni, Industries) through mail, college websites, brochures, calendar, magazines etc., and also by means of conducting meetings with parents, alumni and industries.

CRITERION VII: INNOVATIONS AND BEST PRACTICES**7.1 Environment Consciousness****7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?**

Yes. We take more interest in maintaining the campus highly eco- friendly and energy conservative. The campus looks green by planting more trees which ultimately gives a pleasant feeling for the students to learn and for the faculty members to work. Many initiatives are taken by the management to inculcate the eco-friendly culture among the student community. The following facilities are available to maintain a pleasant atmosphere.

- The college transportation system encourages the students to travel collectively and thus avoid additional carbon emission.
- Rain water harvesting system is implemented in the campus.
- A waste water treatment plant and drip irrigation system is implemented for efficient water conservation in the campus
- Lot of saplings have been planted.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?***Energy conservation***

- Placards conveying the importance of the energy conservation are made visible all over the college campus to create awareness among the staff and students on energy conservation.
- The institute propagates the importance of energy conservation by intimating staff and students to turn off the fans and lights in hostel and college whenever not needed. Proper supervision is carried out by concerned authorities.
- Awareness programme is conducted periodically for elaborating the importance of water resource and advised to close the tap water whenever not needed.
- The use of transparent glass windows surmounts the use of other windows by providing natural light in all classrooms.

Use of renewable energy

- The lawns and saplings in the garden are watered by the recycled waste water which is treated properly in the plant.
- Solar heaters are installed for minimizing the usage of electrical power. It provides hot water to the students in the hostels.

Water harvesting

- To sustain the ground water availability the Institution has adopted rain water harvesting system.
- All open terraces are fitted with collection pipes which collect rainwater and sent to the ground through designed drains.

Check dam construction

Wells and Bore facilities are available inside the campus. Rain water is accumulated in these wells and they are used for daily use.

Efforts for Carbon neutrality

- College transportation system encourage the students and staff to travel in common transports to reduce carbon emission
- Extension activities are organized on the importance of green campus and carbon neutrality among the school children and society.
- More saplings are planted to improve the carbon neutrality

Plantation

- Many saplings are planted in the campus periodically.
- Proliferation of green environment is encouraged by our Institution.
- The planted trees are used to shelter many birds.
- NSS camps organize tree plantation in and around campus.

Hazardous waste management

- The Institution is a tobacco free campus.
- Practical classes pertaining to various programmes do not produce hazardous wastes.
- Awareness programmes are organised to educate the students, faculty members and public on effective ways of handling hazardous waste.

E-waste management

E-waste like computers, printers and laboratory waste are properly disposed through approved agency as suggested by pollution control board.

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.

Innovations in Teaching-Learning Process

Student Centric learning activities such as puzzles solving, role play, analogy, project/ problem based learning, seminar on recent trends, quiz, online tests, brainstorming, tutorials, case study, group discussion and mind map techniques are in practice.

The institution initiated the outcome-based education through the practice of Bloom's Taxonomy Educational Objectives and learning outcome for content delivery and assessment.

Website for subjects – e resources

Every faculty has to provide web resources for their subject. All the contents which were shared in the class room are uploaded to the website for students reference. Students can get into the e-portal and website and relook at the course contents anytime during the semester; this was immensely helpful for the students in preparing for the exams.

Video lectures from NPTEL

NPTEL provides E-learning through online Web and Video courses in Engineering, Science and humanities streams. Students are often made to go through the NPTEL videos during the library / seminar periods and after class timings and enhancing the quality of Engineering Education.

Proactive Student Leader Group

Proactive student leader is a student who leads a group of 3-4 members helping each other to perform well in academics. The members of each group coordinate their efforts by producing quality output of the task given to them. A Proactive student leader is assigned for each group who manages the activities and solves the problem in a team. The given tasks are based on numerical, calculations, descriptions, figures, contents and concepts. It also helps in improving the quality of assignments and lab experiments.

Every member of the Group shares his/her knowledge and ideas with other members of the group. The team has proved to be highly beneficial. It enhances individual's knowledge and skills and inculcates team work and leadership quality. Proactive student leader group has been as considered blessing for all the students and has proved to be one of the best careers for transferring knowledge

Hostel study hour

Hostel students are encouraged to study from 8.30 PM to 10.30 PM with assistance from the faculty members. This helps the students to interact with the faculty members personally and to clear their doubts on subjects. Moreover the students are encouraged to interact with the peer students.

Mentor system

Every class is assigned Mentors who works as friendly philosopher and guide. Necessary guidance in studies and career related issues are resolved by the Mentors. Every student can share his/her personal problems, discuss failures and explain desires with their Mentor. A Mentor helps understand importance of critical discipline issues, keeps record of important facts and analyze overall performance of every student in his/her class. Mentor helps the students to overcome the problem which they feel it inside and outside of the classroom Mentor even acts as a counsellor who conducts personal sessions with students for sorting their issues.

Training on communication skills for the first year students:

During the first year, the students are trained in the communication skills. The institution has designed courses which exclusively addresses the communication needs of the

students. There is a communication lab setup for these training which is open throughout the working hours with dedicated faculty around to help the students.

Training on aptitude for the second year students:

The students in the second year undergo training on the aptitude skills. The institute has tie ups with few of the reputed agencies to conduct these aptitude training and tests for the students making them prepared for placements and competitive exams.

Training on enhancing the technical expertise for third year students:

Third year students undergo intensive training in enhancing their technical knowledge. The institution arranges several vocational courses aimed towards the students' technical excellence. This includes training on software/hardware skills as per the department requirements, putting the students into reputed organization to acquire hands on training on the core subjects etc.

Training on soft skill for final year students:

The final year students undergo training on body language and soft skills enrichment. They are put into mock interviews and group discussions and are observed keenly to understand the development needs of individual students. They are then trained individually based on their strengths and weaknesses.

7.3 Best Practices

7.3.1 Elaborate on any two best practices, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Qualityimprovement of the core activities of the college.

Best Practice- I:**Active Practices to improve the student quality****Goal**

The goal is to bring awareness about the professional thinking and developing the overall personality of the students. Apart from mere listening and taking notes, the students are made to participate in mixture of class activities like loud reading, presenting, discussion, sharing the views, etc. In addition, the students are patterned to develop the following.

- Active learning
- Branding them self
- Communicating in professional way
- Developing their own values
- Enhancing the leadership Quality
- Formulating and preparing the life skills

Context

There is always space between the skills of the students and the expectations of the stakeholders. The skill set of a student cannot be judged based on the involvement in day- to - day activities of learning in the class.

Most of the HR personalities stating that, more than 75% of the graduates are not employable because of lack of technical and communication skills. This state of affairs may be due to the students' socio-economic background study in Tamil medium school and non-exposure to current development. To arrest the drift of increasing unemployable graduates, the value added courses are designed to kit out the students with higher order thinking, activity based learning, aptitude skills, leadership qualities, communication skills, inter-personal and intra-personal relationship, group discussion, interview, presentations, and technical skills.

The Practice

- The Aptitude Training is enhanced for the students to get clicked through the first round and it completely grows the I Q of solving problems and build creative ideas. The trainers train them in various method of solving aptitude in shortcut type and procedural type.
- Group Discussion is been trained and practiced through a theory called IPF theory (Involvement, Participation and Following)to develop their Communication Skill, Body Language, Eye Contact and Confidence.
- Quality Analysis is to examine the skill sets of students and analysis their performance by conducting Mock Interviews.
- Participative learning is also practiced through Active learning exercises.
- Conducting various activities such as roll play, tell about the company, management games, self-introduction, just a minute talk, current affairs, health tips, debate, etc.

- Collaborative learning (team, peer or group learning) through which students are actively involved in their own learning and establishing a connection between the learner and the learning object.
- Technical Training are given through Value Added Courses to escalate the technical knowledge.
- Guest Lecture's & Motivation Sessions are given by bring the HR& Technical Personalities from various corporates and motivational speakers.
- Team Building Session are conducted during placement hours to make the student become a team player and also to develop the leadership quality.

Evidence of Success

More than 90% of the students are actively involved in collaborative learning and team building activities. Methods of solving various aptitude questions and explaining it to other students is carried out regularly. Thousand Plus students (All under Graduates) are actively involved in placement training activities like Group Discussion, Just a Minute Talk, Presentations, etc. These activities helped the students to overcome their stage fear, lack of confidence, nervousness, and lack of communication. The placement cell is quite satisfied with the splendid performance of the students in on-campus and off-campus interviews. Some of the students who had been eliminated at the first level itself during the recruitment drive. Some students are shortlisted in leading Corporates due to their proficiency in English communication and performance in face to face interviews.

Problems Encountered and Resources Required

The expansion of this practice to all the students in all the semesters has made the institution to face the problem of shortage of professionally trained teachers to handle activity based learning. The institution assigns professional trainers to train the trainers through FDPs. Most of the students belong to the first generation learners, rural areas, and Tamil medium schools. As a result, it is a problem to sustain their grasping power, concentration and interest throughout the class. The contents, teaching methodology and evaluation process and constant counselling refined these students to make this practice a fruitful one.

Best Practice-II**Title of the Practice**

Student-Mentor relationship

Goal

The purpose of this practice is to ensure openness among the mentor and students towards improving overall personality. This relationship ensures better understanding of the students and to lend support to overcome their problems with the guidance of mentors. Each student can share and discuss about their personal problem which helps to build a good rapport with the students. This rapport helps the facilitator and the student to succeed.

The Context

A mentor is assigned to each class at the maximum of 1:15 ratio wherein he does the work of a friend and a philosopher. The mentor collects each and every detail of the students assigned and keeps a record of the important facts and analyzes the overall performance of the students under him/her. A mentor understands the problems of the students and helps them to overcome which is felt by the student both inside and outside the classroom. Necessary guidance in studies and career are also rendered by the mentor. A mentor even does the role of a counsellor conducting personal session with the students to sort out their issues.

The Practice

A mentor takes care of the students under him/her and helps them to get additional learning apart from class room learning. Additional coaching classes are arranged for the slow learners with them help of subject handling faculty. The students are well informed about the co-curricular and extra-curricular activities happening, both inside and outside the college campus and are encouraged to participate. Moreover for the financially needy students are identified by each mentor and available scholarships are informed and arranged to acquire it. Apart from these, fees concessions are also provided for the deserving students.

Evidence of Success

This Relationship helps to create a bond between the student and the mentor and this in turn helped to get better results from the students in the semester exams. As the students were encouraged to participate in the co-curricular and extra-curricular activities, the level of

understanding the subjects has improved and it was evident in the overall knowledge they have acquired.

Problems Encountered and Resources Required

Initially the students were reluctant but with the parental approach we were able to create a good relationship among the students assigned and counsel them on their difficulties to overcome. The mentors are instructed on counselling through various development programmes on understanding the student's psychology.

Contact Details

Name of the Principal	:	Dr.A.M.J. MD. ZUBAIRRAHMAN
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Evaluative Reports of the Departments**(1) Civil Engineering**

1. Name of the Department : Civil Engineering
2. Year of Establishment : 2010
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Name of the Programme	Year of Establishment	Sanctioned Strength
B.E., Civil Engineering	2010	60

4. Names of Interdisciplinary courses and the departments / units involved

Course Code & Name	Semester	Name of the Department
MA 6351 Transforms And Partial Differential Equations	III	S&H
GE 6351 Environmental And Science Engineering	III	S&H
MA 6459 Numerical Methods	IV	S&H
CE 6563 Communication Skills Laboratory	V	S&H

5. Annual / semester / choice based credit system (programme wise)

B.E., Civil Engineering : Semester Based Credit System

6. Participation of the department in the courses offered by other departments

Course Code & Name	Semester	Name of the Department
GE 6251 Basic Civil and Mechanical Engineering	II	EEE

7. Courses in collaboration with other universities, industries, foreign institutions, etc.,

S. No.	Other University / Industry / Institute Collaboration	Name of the Course(s)	Year of Signing MoU
1	CPLR Institute, Erode.	CADD	2013
2	RIDGE Construction, Erode.	Total Station	2014
3	SCS Builders	Building work	2015

8. Details of courses/programmes discontinued (if any) with reasons : **NIL**

9. Number of Teaching posts

UG

	Sanctioned	Filled
Professors	00	00
Associate Professors	02	02
Asst. Professors	10	10

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

UG

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided for the last 4 years
V. Veeraramkumar	M.E.,	Associate Professor	Structural Engineering	9	-
P. Gopalakrishnan	M.E.,	Associate Professor	Structural Engineering	6	-
P. Loganathan	M.E.,	Assistant Professor	Structural Engineering	9	-
M. Shankar	M.E.,	Assistant Professor	Structural Engineering	5	-

S. Suresh	M.E.,	Assistant Professor	Structural Engineering	5	-
R. Rajadurai	M.E.,	Assistant Professor	Structural Engineering	8	-
A. Fathima Darras Gracy	M.E.,	Assistant Professor	Structural Engineering	9	-
K. Subramanian	M.E.,	Assistant Professor	Structural Engineering	5	-
P. Mayilsamy	M.E.,	Assistant Professor	Structural Engineering	5	-
P. Santhoshkumar	M.E.,	Assistant Professor	Structural Engineering	3	-
M. Ranjith	M.E.,	Assistant Professor	Structural Engineering	2	-
M.Mohammed thariq	M.E.,	Assistant Professor	Structural Engineering	1	

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)

Programme	Sanctioned Intake	No. of Faculty	Ratio
UG: B.E., Civil	60	12	15:1
PG:	-	-	-

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Administrative Staff	1	1
Technical Staff	4	4
Supporting Staff	1	1

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ M.Phil./PG

No. of Faculty with Ph.D.	No. of Faculty with M.Phil	No. of Faculty with PG
-	-	12

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

S. No.	Name of the Faculty	Details	Academic Year	Sanctioning Authority	Sanctioned Amount
NIL					

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc., and total grants received

S. No.	Department	Name of the Faculty	Details	Academic Year	Sanctioning Authority	Sanctioned Amount
NIL						

18. Research Centre /facility recognized by the University : **NIL**

19. Publications:

(a) Publication per faculty

S. No.	Name of the Faculty	International Journals	National Journals	International Conference	National Conference
1	V. Veeraramkumar	2	-	2	2
2	P.Gopalakrishnan	1	-	1	1
3	P. Loganathan	2	-	2	2
4	M. Shankar	2	-	2	-
5	S. Suresh	-	-	1	1
6	R. Rajadurai	2	-	2	2
7	A. Fathima Darras Gracy	2	-	2	2
8	K. Subramanian	2	-	2	2

9	P. Mayilsamy	2	-	2	-
10	P. Santhoshkumar	2		2	1
11	M. Ranjith	2	-	2	1
12	Mmohammed thariq	1		1	

- ❖ Number of papers published in peer reviewed journals (national / international) by faculty and students : 20
- ❖ 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

S. No.	Name of the Book	Author(s)	Publisher	ISBN No.
1	Highway Engineering	A. Fathima Darras Gracy & Mr. P. Loganathan	Shanlax Publications	978-81-92281-16-2
2.	Basic Civil and Mechanical Engineering	V. Veeraramkumar & G. Thangavel	Shanlax Publications	978-93-85109-34-8
3.	Water resource irrigation engineering	P.Loganathan	Shanlax Publications	978-93-85399-04-6

- ❖ Citation Index : NIL
- ❖ SNIP : NIL
- ❖ SJR : NIL
- ❖ Impact factor : NIL
- ❖ h-index : NIL

20. Areas of consultancy and income generated:

S. No.	Academic Year	Nature of Work	Name of the Concern	Amount
1.	2015-16	Compressive strength for concrete	SCS Builders	9000
2.	2014-15	Structural detailing and Estimating	Erode Infra-structures	1,15,000
3.	2013-14	Elevation Work	SCS Builders	80,000
4.	2012-13	Building Plan and estimating	M. Asaithambi, Contractor	70,000

21. Faculty as members in

- a) National committees : NIL
- b) International Committees : NIL
- c) Editorial Boards : NIL

22. Student projects

- (a) Percentage of students who have done in-house projects including inter-departmental
- (b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories / Industry / other agencies

S. No.	Academic Year	% of In-house Projects	% of Industrial Projects
1.	2015-2016	100%	0%
2.	2014 – 2015	100%	0%
3.	2013 – 2014	100%	0%
4.	2012 – 2013	100%	0%

23. Awards/ Recognitions received by faculty and students

Faculty

S. No.	Name of the Faculty	Details of Awards/Recognitions Received	Academic Year
1.	V. Veeraramkumar	Cash Prize for Best Results in Anna University Examinations	2013-2014
2.	V. Veeraramkumar	Cash Prize for Best Results in Anna University Examinations	2013-2014
3.	V. Veeraramkumar	Cash Prize for Best Results in Anna University Examinations	2013-2014
4.	M. Nirmala	Cash Prize for Best Results in Anna University Examinations	2013-2014
5	M. Nirmala	Cash Prize for Best Results in Anna University Examinations	2014-2015
6	P. Loganathan	Cash Prize for Best Results in Anna University Examinations	2013-2014
7	S. Sumathi	Cash Prize for Best Results in Anna University Examinations	2013-2014
8	A. Fathima Darras Gracy	Cash Prize for Best Results in Anna University Examinations	2014-2015
9	M. Shankar	Cash Prize for Best Results in Anna University Examinations	2014-2015
10	V. Veeraramkumar	Cash Prize for Best Results in Anna University Examinations	2014-2015
11	P. Loganathan	Cash Prize for Best Results in Anna University Examinations	2014-2015
12	V. Veeraramkumar	Cash Prize for Best Results in Anna University Examinations	2015-2016

13	P.Loganathan	Cash Prize for Best Results in Anna University Examinations	2015-2016
14	M.Shankar	Cash Prize for Best Results in Anna University Examinations	2015-2016-
15	M.Shankar	Cash Prize for Best Results in Anna University Examinations	2015-2016
16	P.Mayilsamy	Cash Prize for Best Results in Anna University Examinations	2015-2016
17	P.Santhoshkumar	Cash Prize for Best Results in Anna University Examinations	2015-2016
18	A.Fathima darras gracy	Cash Prize for Best Results in Anna University Examinations	2015-2016
19	V.Veeraramkumar	Cash Prize for Best Results in Anna University Examinations	2015-2016

Students

S. No.	Name of the Student	Details of Awards/Recognitions Received	Academic Year
1	S. A. Mohamed Imthiyaz	Cash Prize – Topper in Anna University Examinations	2013-2014
2	M. Mohamed Umar Mukthar.	Cash Prize – Topper in Anna University Examinations	2013-2014
3	R. Mohammed Azarudeen.	Cash Prize – Topper in Anna University Examinations	2013-2014
4	S. A. Mohammed Imthiyaz	Cash Prize – Topper in Anna University Examinations	2013-2014
5	S. Lakshmana Perumal	Cash Prize – Topper in Anna University Examinations	2013 – 2014

6	N. Mohamed Meeran	Cash Prize – Topper in Anna University Examinations	2013 – 2014
7	S. Shahul Hameed	Cash Prize – Topper in Anna University Examinations	2013 – 2014
8	M. Javid Ahamed	Cash Prize – Topper in Anna University Examinations	2013 – 2014
9	S. Shahul Hameed	Cash Prize – Topper in Anna University Examinations	2013 – 2014
10	M. Javid Ahamed	Cash Prize – Topper in Anna University Examinations	2013 – 2014
11	A. Mohamed Javith Saleem	Cash Prize – Topper in Anna University Examinations	2014-2015
12	A. Mohamed Shameem	Cash Prize – Topper in Anna University Examinations	2014-2015
13	A. Mohamed Javith Saleem	Cash Prize – Topper in Anna University Examinations	2014-2015
14	J. Imthiyas Ahamed	Cash Prize – Topper in Anna University Examinations	2014-2015
15	N. Syed Ibrahim	Cash Prize – Topper in Anna University Examinations	2014-2015
16	R. Mohammed Azarudeen	Cash Prize – Topper in Anna University Examinations	2014-2015
17	S. Lakshmana Perumal	Cash Prize – Topper in Anna University Examinations	2014 – 2015
18	N. Mohamed Meeran	Cash Prize – Topper in Anna University Examinations	2014 – 2015
19	S. Mohammed Thoufik	Cash Prize – Topper in Anna University Examinations	2014-2015

20	N. Syed Ibrahim	Cash Prize – Topper in Anna University Examinations	2014-2015
21	N. Mohamed Meeran	Cash Prize – Topper in Anna University Examinations	2014 – 2015
22	S. A. Mohamed Imitiyas	Cash Prize – Topper in Anna University Examinations	2014 – 2015
23	R. Mohamed Azarudheen	Cash Prize – Topper in Anna University Examinations	2014 – 2015
24	Syed Ibrahim	Cash Prize – Topper in Anna University Examinations	2014 – 2015
25	Mohammed Thoufik	Cash Prize – Topper in Anna University Examinations	2014- 2015
26	Mohamed Javid Saleem	Cash Prize – Topper in Anna University Examinations	2014- 2015
27	Abuthhir .M	Cash Prize – Topper in Anna University Examinations	2015-2016
28	Mohamed Ajmal Thufail.M	Cash Prize – Topper in Anna University Examinations	2015-2016
29	Nowfil Idrees.S	Cash Prize – Topper in Anna University Examinations	2015-2016
30	Imthiyas AhammedJ	Cash Prize – Topper in Anna University Examinations	2015-2016
31	Mohamed Javith Saleem A	Cash Prize – Topper in Anna University Examinations	2015-2016
32	Prakash B	Cash Prize – Topper in Anna University Examinations	2015-2016
33	Mohammed Azarudeen R	Cash Prize – Topper in Anna University Examinations	2015-2016

34	Kavith S	Cash Prize – Topper in Anna University Examinations	2015-2016
35	Navena B.N	Cash Prize – Topper in Anna University Examinations	2015-2016
36	AhamedMujjamil B	Cash Prize – Topper in Anna University Examinations	2015-2016
37	Mohamed JavithSaleem A	Cash Prize – Topper in Anna University Examinations	2015-2016
38	Syed TajpeeranShameer	Cash Prize – Topper in Anna University Examinations	2015-2016
39	Vetrivel S	Cash Prize – Topper in Anna University Examinations	2015-2016
40	Mohammed Ithrish M	Cash Prize – Topper in Anna University Examinations	2015-2016
41	Mohammed Shafiq S	Cash Prize – Topper in Anna University Examinations	2015-2016
42	NowfilIdrees.S	Cash Prize – Topper in Anna University Examinations	2015-2016
43	Mohamed AjmalThufail M	Cash Prize – Topper in Anna University Examinations	2015-2016
44	Mohamed JavithSaleem A	Cash Prize – Topper in Anna University Examinations	2015-2016
45	ImthiyasAhammed J	Cash Prize – Topper in Anna University Examinations	2015-2016
46	Raneesh Rahman	Cash Prize – Topper in Anna University Examinations	2015-2016
47	Mohamed Thariq A M	Cash Prize – Topper in Anna University Examinations	2015-2016

48	Ashok Kumar M	Cash Prize – Topper in Anna University Examinations	2015-2016
49	Navena .B.N	Cash Prize – Topper in Anna University Examinations	2015-2016
50	Madhavan V	Cash Prize – Topper in Anna University Examinations	2015-2016
51	NowfilIdreess	Cash Prize – Topper in Anna University Examinations	2015-2016
52	Mohamed JavithSaleemA	Cash Prize – Topper in Anna University Examinations	2015-2016
53	Raneesh Rahman	Cash Prize – Topper in Anna University Examinations	2015-2016
54	FarisAli	Cash Prize – Topper in Anna University Examinations	2015-2016
55	Manirathinam .G	Cash Prize – Topper in Anna University Examinations	2015-2016

24. List of eminent academicians and scientists /visitors to the department

S. No.	Name & Designation of the eminent Academicians and Scientists / Visitors	Working Institution / Organisation	Date of Visit
1.	R.Sivalingam	Segaram Constructions	03.09.2013
2.	Er. S. Devanandhan	New Premier Constructions	01.08.2011
3.	D. Sudhagar	Environmentist	07.01.2014
4.	Er.R.Paramaguru, PG Construction	Applications of Prestressed Concrete Structures	08.09.2015
5.	Er. V.R. Palaniappan VR Associates”	Inspirational Speech on “Movement for Green Revolution	14.08.2015

6.	Er. N.Saravanakumar, Chief Engineer, Heaven Home Builders, Namakkal.	Alumni Association Function	29.05.2016
7.	K.Anand SS Ceramics	Entrepreneur Motivation Program	7.03.2016
8.	Mr.S.Lakshmanaperumal, Assistant Engineer, Esha Builders,Covai	Importance of Software in Civil Engineering	11.04.2016
9.	Er. R. Kailasan Sri Sakthi Construction	Movement for Green Revolution	13.02.2016
10.	Dr.N.Ramesh Prof/Civil KSR CT	Effluent Treatment Process	09.02.2016
11.	KKSK Rafiq KKSK Hides Pvt Ltd	Entrepreneur Motivation Program	30.09.2015

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

S. No.	Academic Year	Title	Date(s) of the Event	Source of Funding
1.	2013-2014	Seven days faculty development training programme on Foundation Engineering	16.12.2014 To 22.12.2014	Al-Ameen Educational & Charitable Trust
2.	2014-2015	Seven days faculty development training programme on SOIL MECHANICS	22.12.2015 To 28.12.2015	Al-Ameen Educational & Charitable Trust
3.	2015-2016	Three days faculty development training programme on MECHANICS OF SOLIDS	07.6.2016 TO 09.6.2016	Al-Ameen Educational & Charitable Trust

b) International

S. No.	Academic Year	Title	Date(s) of the Event	Source of Funding
1.	2014 – 2015	Advances in computing, Communication, Automation and structural Engineering	10.04.2015 & 11.04.2015	Al-Ameen Educational & Charitable Trust
2	2015-2016	Advances in computing, Communication, Automation and structural Engineering	07.05.2016	Al-Ameen Educational & Charitable Trust

26. Student profile programme/course wise

UG

Name of the Programme	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
B.E., CIVIL (2010 – 2014)	33	33	32	01	85%
B.E., CIVIL (2011 – 2015)	47	47	45	02	68%
B.E., CIVIL (2012 – 2016)	68	68	61	7	72%

27. Diversity of Students

Name of the Programme	Academic Year	% of students from the same state	% of students from other states	% of students from abroad
B.E.,CIVIL	2011 – 2012	87	13	-
	2012 – 2013	90	10	-
	2013 – 2014	86	14	-
	2014 – 2015	89	11	-
	2015 - 2016	90	10	-
	2016-2017	85	10	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? **NIL**

29. Student progression (Year wise)

Student Progression		Against % Enrolled		
	2012-2016	2011 – 2015	2010 – 2014	2009 - 2013
UG to PG	1.5%	9%	3%	-
PG to M.Phil.	NA			
PG to Ph.D.	NA			
Ph.D. to Post-Doctoral	NA			
Employed				
Campus Selection	22%	10%	3%	-
Other than campus recruitment	55%	62%	60%	-
Entrepreneurship / Self-employment	-	4%	3%	-

30. Details of Infrastructural facilities

a) Library

No. of Books : 1813

b) Internet facilities for Staff & Students

Wired : Yes

WiFi : Yes

c) Class rooms with ICT facility : 1

d) Laboratories

Curriculum Lab Description	List of Equipments
Soil Mechanics Laboratory	Sieves, Hydrometer, Liquid and plastic limit apparatus, Shrinkage limit apparatus, Proctor compaction apparatus, UTM of minimum of 20KN capacity, Direct shear apparatus, Thermometer, Field density measuring device, Triaxial shear apparatus, Three gang consolidation test device.

CADD Laboratory	Computer system of Pentium IV or equivalent, AUTOCAD, Models of Structures, Computers Pentium IV, Analysis and Design Software - Minimum 5 user License, Auto CAD Software - Multi user License
Strength of Materials Laboratory	UTM of minimum 400 KN capacity, Torsion testing machine for steel rods, Izod impact testing machine, Hardness testing machine Rockwell Brinell, Beam deflection test apparatus, Extensometer, Compressometer, Dial gauges, Le Chatelier's apparatus, Vicat's apparatus, Mortar cube moulds
Survey Laboratory-I	Total Station, Theodolites, Dumpy level, Plane table, Pocket stereoscope, Ranging rods, Leveling staff, Cross staff, Chains, Tapes, Arrows, Prismatic Compass, Surveyor Compass
Survey Laboratory-II	Total Station, Theodolites, Dumpy level, Plane table, Pocket stereoscope, Ranging rods, Levelling staff, Cross staff, Chains, Tapes, Arrows, Hand held GPS, Surveyor Compass
Concrete and Highway Laboratory	Concrete cube moulds, Concrete cylinder moulds, Concrete Prism moulds, Sieves, Concrete Mixer, Slump cone, Flow table, Vibrator, Trovels and planers, UTM – 400 kN capacity, Vee Bee Consistometer, Aggregate impact testing machine, CBR Apparatus, Blains Apparatus, Los - Angeles abrasion testing machine, Marshall Stability Apparatus
Environmental engineering Laboratory	Oxygen analyzer, Spectrophotometer, Ion – selective electrode, Sodium Potassium Analyzer – Flame, Atomic absorption spectroscopy (Ni, Zn, Pb), Nephlo - turbidity meter, BOD Analyser, COD Analyser, Jar Test Apparatus
Fluids Mechanics Laboratory	Bernoulli's theorem – Verification Apparatus, Calculation of Metacentric height water tank Ship model with accessories, Measurement of velocity Pitot tube assembly, (i) Channel with provision for fixing notches (rectangular, triangular & trapezoidal forms), (ii) Flume assembly with provisions for conducting experiments on Hydraulic jumps, generation of surges etc., Flow measurement in pipes (i) Venturimeter, U tube manometer fixtures like Valves, collecting tank, (ii) Orifice meter, with all necessary fittings in pipe lines of different diameters, (iii) Calibration of flow through orifice tank with Provisions for fixing orifices of different shapes, collecting tank, (iv) Calibration of flow through mouth piece Tank with provisions for fixing mouth pieces Viz external mouth pieces

<p>Fluids Mechanics Laboratory</p>	<p>& internal mouth piece Borda's mouth piece,</p> <p>Losses in Pipes</p> <p>Major loss – Friction loss</p> <p>Pipe lengths (min. 3m) of different diameters with Valves and pressure tapping & collecting tank,</p> <p>Minor Losses</p> <p>Pipe line assembly with provisions for having Sudden contractions in diameter, expansions Bends, elbow fitting, etc.,</p> <p>Pumps</p> <p>i. Centrifugal pump assembly with accessories (single stage),</p> <p>ii. Centrifugal pump assembly with accessories (multi stage),</p> <p>iii. Reciprocating pump assembly with accessories,</p> <p>iv. Deep well pump assembly set with accessories,</p> <p>Turbine</p> <p>i. Impulse turbine assembly with fittings & accessories, ii. Francis turbine assembly with fittings & accessories, iii. Kaplan turbine assembly with fittings & accessories.</p>
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31. Number of students receiving financial assistance from college, university, government or other agencies

Total No. of Students : 92

32. Details on student enrichment programmes (special lectures / workshops/seminar) with external experts

S. No.	Academic Year	Name of the Programme	Duration	Resource Person
1	2013-2014	Innovative techniques in civil engineering	1 Day	Er.R.Devanandhan Chief Engineer
2	2014-2015	Under water construction in modern methods	1 Day	Dr.N.Ramesh Professor KSR college of technology
3	2015-2016	Applications of prestressed concrete	1 Day	Er.R.Paramaguru Chief Engineer.

33. Teaching methods adopted to improve student learning

- Board Teaching
- Over Head Projector (OHP)
- Power Point Presentation
- Activity Based
- Group Discussions
- Referring Internet for Demonstration
- Tutorial session for problematic subjects

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- National Service Scheme
- Youth Red Cross
- Red Ribbon Club

35. SWOC analysis of the department and Future plans

Strengths:

- Resourceful management
- Sophisticated environment and facilities
- Extremely skilled, experienced and qualified faculty members.
- HOD with enormous industrial and technical expertise
- Steady in producing outstanding results
- Fully equipped laboratory and equipment as per syllabus
- Team work with all effort
- Students have participated in industrial visits in and around Tamilnadu

Weakness:

- Poor communication skill of students
- Low level students are admitted
- Lack of advanced knowledge of students

Opportunity:

- Industrial visits for students
- Student development program

- Courses which improves soft skills of student
- Faculty development program
- Entrepreneurship development program
- Sufficient internet facility

Challenges:

- Competition between engineering college
- Leading college with more intakes
- Lack of innovative thinking in students
- Industries and companies providing low salary for fresher's
- Inclination of students towards arts and science group

Future Plans of the Department:

- Providing high profile job opportunities
- Making the department paperless and digital
- Developing students innovative thinking

(2)COMPUTER SCIENCE AND ENGINEERING

1. Name of the Department : COMPUTER SCIENCE AND ENGINEERING

2. Year of Establishment : 2009

3. Names of Programmes / Courses offered (UG, PG)

Name of the Programme	Year of Establishment	Sanctioned Strength
B.E. Computer Science and Engineering	2009	60
M.E. Computer Science and Engineering	2012	24

4. Names of Interdisciplinary courses and the departments / units involved

Course Code& Name	Semester	Name of the Department
MA2211& Transforms and Partial Differential Equations	03	S&H
CS2202&Digital Principles and System Design	03	ECE
CS2204& Analog and Digital Communication	03	ECE
GE2021&Environmental Science and Engineering	03	S&H
MA2262&Probability and Queuing Theory	04	S&H
CS2252& Microprocessor and Microcontrollers	04	ECE
MA2265&Discrete Mathematics	04	S&H
IT6502&Digital Signal Processing	07	ECE

5. Annual / semester / choice based credit system (programme wise)

B.E. Computer Science and Engineering : Semester Based Credit System

M.E.Computer Science and Engineering : Semester Based Credit System

6. Participation of the department in the courses offered by other departments

Course Code & Name	Semester	Name of the Department
EE2204&Data Structures and Algorithms	03	EEE
CS2311&Object Oriented Programming	05	EEE
CS2363&Computer Networks	06	EEE
CS2411&Operating Systems	07	EEE
EC2202&Data Structures and Object Oriented Programming in C++	03	ECE
EC2303& Computer Architecture and Organization	05	ECE
EC2352& Computer Networks	06	ECE
EC6301 &Data Structures and Object Oriented Programming	03	ECE
CS6551 & Computer Networks	06	ECE
CS6303 & Computer Architecture	06	ECE
CS6456 & Object Oriented Programming	04	EEE

7. Courses in collaboration with other universities, industries, foreign institutions, etc.,

S.No.	Other University / Industry / Institute Collaboration	Name of the Course(s)	Year of Signing MoU
1	SAN Technologies	C, C++, Java	2014
2	Avatar Academy	Networking	2015
3	Spik Solutions	Web Designing	2015
4	Byzero Technologies	Website Designing and Maintenance	2016
5	SP Internet Technologies (P) Ltd.	Internet	2016

8. Details of courses/programmes discontinued (if any) with reasons : **NIL**

9. Number of Teaching posts

UG

	Sanctioned	Filled
Professors	1	-
Associate Professors	2	5
Asst. Professors	9	7

PG

	Sanctioned	Filled
Professors	1	1
Associate Professors	1	3
Asst. Professors	2	-

10. Faculty profile with name, qualification, designation, specialization, (M.E/M.Tech. /Ph.D.,)

UG

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided for the last 4 years
Mr.B.Manivannan	M.E.,	Associate Professor	Computer Science & Engineering	11 Years	-
Mr.K.Mubarak Ali	M.E.,	Associate Professor	Computer Science & Engineering	11 Years	-
Mr.B.M.S.Javed Ahamed	M.E.,	Associate Professor	Computer Science & Engineering	9 Years	-

Mr.A.A.Ahamed Harris	M.E.,	Associate Professor	Computer Science & Engineering	12 Years	-
Mrs.K.P.Porkodi	M.E., <u>Ph.D.</u> ,	Associate Professor	Computer Science & Engineering	7 Years	-
Mrs.K. Vanitha	M.E., <u>Ph.D.</u> ,	Assistant Professor	Computer Science & Engineering	6Years	-
Mr.K.Om Prakash	M.E.,	Assistant Professor	Computer Science & Engineering	6 Years	-
Mr.N.Nasurudeen Ahamed	M.E.,	Assistant Professor	Computer Science & Engineering	4 Years	-
Mr.R.Thoufiq Ahamed	M.E.,	Assistant Professor	Computer Science & Engineering	3 Years	-
Mr.S.Ajmer Habibullah Sayed	M.E.,	Assistant Professor	Pervasive Computing	3 Year	-
Mrs. A. AafiyaThahaseen	M.E.,	Assistant Professor	Computer Science & Engineering	01 Year	-
Mr. T. Rajan	M.E.,	Assistant Professor	Computer Science & Engineering	09 Months	-

PG

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.M.Mohammed Mustahfa	M.Tech., Ph.D.	Professor	Computer Science & Engineering	14 Years	-

Mrs.S.M.Karpagavalli	M.E.,	Associate Professor	Computer Science & Engineering	17 Years	-
Mr.R.Sahul Hameed	M.E.,	Associate Professor	Computer Science & Engineering	10 Years	-
Mrs.A.AlifSiddiqua Begam	M.E., <u>Ph.D.</u> ,	Associate Professor	Computer Science & Engineering	9 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)

Programme	Sanctioned Intake	No. of Faculty	Ratio
UG: B.E., CSE	60	12	15:1
PG: M.E., CSE	24	4	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Administrative Staff	1	1
Technical Staff	3	3
Supporting Staff	1	1

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ M.Phil./PG

No. of Faculty with Ph.D.	No. of Faculty with M.Phil	No. of Faculty with PG
1	Nil	15

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

S.No.	Name of the Faculty	Details	Academic Year	Sanctioning Authority	Sanctioned Amount
-	NIL	-	-	-	-

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc., and total grants received

S. No.	Department	Name of the Faculty	Details	Academic Year	Sanctioning Authority	Sanctioned Amount
NIL						

18. Research Centre /facility recognized by the University : **NIL**

19. Publications:

(a) Publication per faculty

S. No.	Name of the Faculty	International Journals	National Journals	International Conference	National Conference
1.	Dr.M.MohamedMustahfa	8	2	2	2
2.	Mr.R.Sahul Hameed	2	-	2	-
3.	Mrs.S.M.Karpagavalli	2	-	2	-
4.	Mrs.K.P.Porkodi	6	-	2	-
5.	Mrs.K.Vanitha	6	-	2	-
6.	Mr.B.Manivannan	2	-	2	1
7.	Mr.K.Mubarak Ali	2	-	3	2
8.	Mr.B.M.S.JavedAhamed	2	-	3	2
9.	Mr.K.Om Prakash	2	-	2	-
10.	Mr.N.NasurudeenAhamed	2	-	2	1
11.	Mr.A.A.Ahamed Harris	2	-	2	-
12.	Mr.S.AjmerHabibullah Sayed	2	-	2	-

13.	Mr.R.ThoufiqAhamed	2	-	3	2
14.	Mrs.A.AlifSiddiqaBegam	2	-	2	2
15.	Mrs. A. AafiyaThahaseen	1	-	1	-
16.	Mr. T. Rajan	1	-	1	-

- ❖ Number of papers published in peer reviewed journals (national / international) by faculty and students : 28
- ❖ 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.) : 1
- ❖ Monographs : 0
- ❖ Chapter in Books : 2
- ❖ Books Edited : 2
- ❖ Books with ISBN/ISSN numbers with details of publishers

S. No.	Name of the Book	Author(s)	Publisher	ISBN No.
1	Software Project Management	M. Md. Musthafa	Shanlax Publications	978-81-92281-13-1
2	Secure Client Side Image Using Fingerprint Embedding	SudhaArumugam& Vanitha Kumar	LAP Lambert Academic Publishing	10:3659665169, 13:978-3659665165
3	Mobile and Pervasive Computing	SudhaArumugam& Vanitha Kumar	Shanlax Publications	978-81-92281-19-3
4	Fundamental of Computer Programming	M. Md. Musthafa S. Karthik	Smirthi Publisher	978-93-82303-03-6
5	Object Oriented Analysis and Design	M. Md. Musthafa B. Manivannan	Shanlax Publications	978-81-92281-17-9
6	Operating Systems	B.M.S. JavedAhamed K. Mubarak Ali	Shanlax Publications	978-93-85399-07-7

❖ Citation Index	:
❖ SNIP	:
❖ SJR	:
❖ Impact factor	:
❖ h-index	:

20. Areas of consultancy and income generated:

S. No.	Academic Year	Nature of Work	Name of the Concern	Amount
1	2012-2013	Installation	Indonet Browsing Centre	Rs. 5000
2	2012-2013	Installation&Networking	Indonet Browsing Centre	Rs. 8000
3	2012-2013	Software For Purchase And Sales	Hidel Power Systems	Rs.125000
4	2012-2013	Sales And Service Software	A-Team Computers	Rs.175000
5	2013-2014	Software For Inventory	Subiksha Computers	Rs.102000
6	2013-2014	Trouble Shooting in networking & systems	Indonet Browsing Centre	Rs. 3000
7	2013-2014	Printer Refilling toner	Universal Xerox	Rs. 3000
8	2014-2015	Website Creation	Spik Solution	Rs.105000
9	2014-2015	Software For Stock Maintenance & Billing	Genuine Computers	Rs.112000
10	2014-2015	Printer Servicing	Universal Xerox	Rs. 5000
11	2015-2016	C,C++	SAN Technologies	Rs. 7000
12	2016-2017	Website Designing and Maintenance	Byzero Technologies	Rs. 75000
13	2016-2017	Internet	SP Internet Technologies (P) Ltd.	Rs.110000

21. Faculty as members in

- a) National committees : NIL
- b) International Committees : NIL
- c) Editorial Boards : 01

22. Student projects

- (a) Percentage of students who have done in-house projects including inter-departmental
- (b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories / Industry / other agencies

S. No.	Academic Year	% of In-house Projects	% of Industrial Projects
1.	2015 - 2016	100%	0%
2.	2014 – 2015	100%	0%
3.	2013 – 2014	100%	0%
4.	2012 – 2013	100%	0%

23. Awards/ Recognitions received by faculty and students

Faculty

S. No.	Name of the Faculty	Details of Awards/Recognitions Received	Academic Year
1.	Mr.B.M.S.JavedAhamed	CASH PRIZE	2011-2012
2.	Mrs. K. Vanitha	CASH PRIZE	2011-2012
3.	Mrs. S.M. Karpagavalli	CASH PRIZE	2011-2012
4.	Mr. K. Mubarak Ali	CASH PRIZE	2011-2012
5.	Mr.B.M.S.JavedAhamed	CASH PRIZE	2012-2013
6.	Mr.B.M.S.JavedAhamed	CASH PRIZE	2012-2013
7.	Mr.B.M.S.JavedAhamed	CASH PRIZE	2012-2013
8.	Mr.P.K.Amarnath	CASH PRIZE	2012-2013
9.	Mrs. S.M. Karpagavalli	CASH PRIZE	2012-2013

10	Mr. K. Mubarak Ali	CASH PRIZE	2013-2014
11	Mr.B.M.S.JavedAhamed	CASH PRIZE	2013-2014
12	Mrs.K.Vantiha	CASH PRIZE	2013-2014
13	Mr.R.ThoufiqAhamed	CASH PRIZE	2013-2014
14	Mrs.S.Sudha	CASH PRIZE	2013-2014
15	Mrs. A. Sudha	CASH PRIZE	2014-2015
16	Mrs. S.M. Karpagavalli	CASH PRIZE	2014-2015
17	Mrs. S.M. Karpagavalli	CASH PRIZE	2014-2015
18	Mrs. S.M. Karpagavalli	CASH PRIZE	2014-2015
19	Mr. K. Mubarak Ali	CASH PRIZE	2014-2015
20	Mrs. S.M. Karpagavalli	CASH PRIZE	2014-2015
21	Mr.B.Manivannan	CASH PRIZE	2014-2015
22	Mrs. K. Vanitha	CASH PRIZE	2014-2015
23	Dr. M. Mohamed Musthafa	CASH PRIZE	2014-2015
24	Mr. K. Omprakash	CASH PRIZE	2014-2015
25	Mr. B. Manivannan	CASH PRIZE	2015-2016
26	Mr. K. Omprakash	CASH PRIZE	2015-2016
27	Mr. A.A. AhamedHaris	CASH PRIZE	2015-2016
28	Mrs. S.M. Karpagavalli	CASH PRIZE	2015-2016
29	Mr. S. AjmeerHabibullah Syed	CASH PRIZE	2015-2016
30	Mr. K. Mubarak Ali	CASH PRIZE	2015-2016
31	Mrs. K. Vanitha	CASH PRIZE	2015-2016
32	Mr. B.M.S. JavedAhamed	CASH PRIZE	2015-2016

Students

S. No.	Name of the Student	Details of Awards/Recognitions Received	Academic Year
1.	Mr.A.Sadam Hussain	Ist Prize in Project Expo	2010-2011
2.	Mr.A.Riyazudeen	Ist Prize in Project Expo	2010-2011
3.	Mr.A.Sadam Hussain	IInd Prize in Project Expo	2010-2011
4.	Mr.A.Riyazudeen	IInd Prize in Project Expo	2010-2011
5.	Mr.Ansari	IInd Prize in Project Expo	2010-2011
6.	Mr.M.Mohamed Al-Ajmal	Ist Prize in Machinist	2010-2011
7.	Mr.A.Sadam Hussain	II nd Prize in Multimedia Presentation	2011-2012
8.	Mr.M.Shaheil	II nd Prize in Multimedia Presentation	2011-2012
9.	Mr.A.Sadam Hussain	Ist Prize in Dumb	2011-2012
10.	Mr.S.Ramesh	Ist Prize in Dumb	2011-2012
11.	Mr.A.Sadam Hussain	Ist Prize in Tech Quiz	2011-2012
12.	Mr.M.Shaheil	Ist Prize in Tech Quiz	2011-2012
13.	Mr.A.Sadam Hussain	IInd Prize in Project Expo	2011-2012
14.	Mr.M.Shaheil	IInd Prize in Project Expo	2011-2012
15.	S.Lukman Harris	IInd Prize in NINTENDO	2011-2012
16.	Z.Ashiq Ali	IInd Prize in KRYPTOS	2011-2012

17.	Mr.M.MohamedIsrath	IIIrd Prize in KRYPTOS	2011-2012
18.	Mr.S.Ramesh	IIIrd Prize in KRYPTOS	2011-2012
19.	Ms.C.H.LisanaBasmath	CASH PRIZE	2011-2012
20.	Ms.Y.YasminFathima	CASH PRIZE	2011-2012
21.	A.Riyazudeen	CASH PRIZE	2011-2012
22.	Z.AshiqAli	CASH PRIZE	2011-2012
23.	S.JulfiyaRukshana	CASH PRIZE	2011-2012
24.	S.SyedRabiyama	CASH PRIZE	2011-2012
25.	M.MuzammilAhamed	CASH PRIZE	2011-2012
26.	A.MonaParveen	CASH PRIZE	2011-2012
27.	T.Anguraj	Ist Prize in Quiz Program	2013-2014
28.	M.Suriya Prakash	Ist Prize in Quiz Program	2013-2014
29.	R.Karthaigai Muthu	Ist Prize in Best Performer	2013-2014
30.	S.AhamedEzazRasool	Ist Prize in Marketing And Poster Designing	2013-2014
31.	S.AhamedEzazRasool	Zonal Winner in Web Designing	2013-2014
32.	M.MuzammilAhamed	Ist Prize in Quiz and Marketing	2013-2014
33.	S.JulfiyaRukshana	CASH PRIZE	2013-2014
34.	M.MuzammilAhamed	CASH PRIZE	2013-2014

35.	Mr.B.Anbarasan	Ist Prize in Dumb	2013-2014
36.	Mr.S.MohamedAashiq	Ist Prize in Code Debugging	2013-2014
37.	Ms.M.FathimaNuzarath	CASH PRIZE	2013-2014
38.	Ms.Y.Jananai	CASH PRIZE	2013-2014
39.	Ms.A.Raveena	CASH PRIZE	2013-2014
40.	Ms.S.JulfiyaRukshana	CASH PRIZE	2013-2014
41.	Ms.M.RabiyathulFathima	Best Student Award	2014-2015
42.	Mr.M.Vineth	Best Student Award	2014-2015
43.	Ms.M.FathimaNuzarath	CASH PRIZE	2014-2015
44.	Ms.Y.Jananai	CASH PRIZE	2014-2015
45.	Ms.P.Shan Jasmine	CASH PRIZE	2014-2015
46.	Mr.A.F.AhamedZunaithRasik	CASH PRIZE	2014-2015
47.	Ms. A Shariya Mariyam	Carrom	2015-2016
48.	Ms.M. FathimaNuzarath	Carrom	2015-2016
49.	Ms. N. Sahana	Chess	2015-2016
50.	Mr. P. Sreerag Mohan	Chess	2015-2016
51.	FathumuthuSumaiya.M	Chess	2015-2016
52.	MariyamulAyesha.M	Carrom	2015-2016
53.	BasithAli.M	Table Tennis	2015-2016
54.	Vivekanathan.P	Carrom	2015-2016

55	Mohamed AnasChozhimadathil	Table Tennis	2015-2016
56	Afreetha.K.M	Carrom	2015-2016
57	Arjun K Kumar	Carrom	2015-2016
58	AhamedTaj.R	Table Tennis	2015-2016
59	Suganya.D	Table Tennis	2015-2016

24. List of eminent academicians and scientists /visitors to the department

S. No.	Name & Designation of the eminent Academicians and Scientists / Visitors	Working Institution / Organisation	Date of Visit
1	Dr.Maarikannan, Prof / CSE	IRTT	18.08.2012
2	Dr.S.Karthik, Dean / CSE	SNS College of Technology	09.02.2013
3	P.Ganesh Kumar, System Analyst	IFF Private Limited	22.03.2014
4	Dr.Maarikannan, Prof / CSE	IRTT	07.05.2015
5	Dr. N. Karthikeyan, Dean / S&H	SNS College of Engineering	22.08.2015
6	Mr. Mohan Kumar, CEO	Skypro Technologies	28.09.2015
7	Dr. G. Singaravel, Prof & Head / CSE	KSR College of Engg.	16.12.2016
8	Dr. P. Venkateshwari , Prof / CSE	SPMVWU	17.12.2016
9	Dr. M. Karthikeyan, Dean / CSE	SNS College of Engineering	15.12.2016
10	Dr. A. Senthil, Prof / CSE	Amritha College of Engg.	27.09.2016
11	Mr. Vetrivendhan, VP	Soft Square, Chennai	26.09.2016
12	Mr. S. Shahul Hameed, Programmer	VIVID Infotech	17.09.2016
13	Dr. T. Kalaikumaran, HOD / CSE	SNS College of Engineering	28.08.2016
14	Mr. Gnanasekaran, Deputy Director	Employment, Salem	04.08.2016

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

S. No.	Academic Year	Title	Date(s) of the Event	Source of Funding
1.	2011-12	The Prospectus and Application of Data Mining and Web Mining Algorithms	23.05.2011 To 05.06.2011	All India Council For Technical Education(AICTE)
3.	2016-17	Cryptography and Network Security	15.12.2016-17.12.2016	AEC

b) International

S. No.	Academic Year	Title	Date(s) of the Event	Source of Funding
1.	2014-2015	International Conference on ACCCAS – 2015	10.04.2015 & 11.04.2015	AEC

26. Student profile programme/course wise

UG

Name of the Programme	Applications Received	Selected	Enrolled		Pass Percentage (As on April/May 2016)
			Male	Female	
B.E., CSE (2009 – 2013)	40	39	26	13	82%
B.E., CSE (2010 – 2014)	70	67	48	19	85%
B.E., CSE (2011 – 2015)	30	29	24	5	81%
B.E., CSE (2012 – 2016)	43	40	23	17	85%

PG

Name of the Programme	Applications Received	Selected	Enrolled		Pass Percentage (As on April/May 2016)
			Male	Female	
M.E., CSE(2012 – 2014)	26	26	15	11	100%
M.E., CSE(2013 – 2015)	20	20	8	12	100%
M.E., CSE(2014 – 2016)	09	09	02	07	56%

27. Diversity of Students

Name of the Programme	Academic Year	% of students from the same state	% of students from other states	% of students from abroad
B.E., Computer Science and Engineering	2009 - 2010	92	8	NIL
	2010 – 2011	88	12	NIL
	2011 – 2012	92	8	NIL
	2012 – 2013	80	20	NIL
	2013 – 2014	95	5	NIL
	2014 – 2015	85	15	NIL
	2015 - 2016	86	14	NIL
	2016-2017	90	10	NIL
M.E., Computer Science and Engineering	2011 – 2012	-	-	NIL
	2012 – 2013	95	5	NIL
	2013 – 2014	100	0	NIL
	2014-2015	100	0	NIL
	2015-2016	92	08	NIL
	2016-2017	86	14	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? **NIL**

29. Student progression (Year wise)

Student Progression	Against Enrolled (As on Date)			
	2012-2016	2011 – 2015	2010 – 2014	2009 - 2013
UG to PG	02	02	02	02
PG to M.Phil.	-	-	-	-
PG to Ph.D.	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-
Employed				
Campus Selection	35	24	60	26
Other than campus recruitment	-	-	2	4
Entrepreneurship / Self-employment	03	-	2	6

30. Details of Infrastructural facilities

a) Library

No. of Books : 350

b) Internet facilities for Staff & Students

Wired : YES

WiFi : YES

c) Class rooms with ICT facility : 1

d) Laboratories

Curriculum Lab Description	Equipments
GE6161-Computer Practices Laboratory-I	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Fedora / Ubuntu, Turbo C++.
GE2155 Computer Practice Laboratory-II	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Fedora / Ubuntu, Turbo C++.
CS 2208 Data Structures Lab	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Turbo C++.
CS 2209 Object Oriented Programming Lab	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Turbo C++.

CS 2257 Operating Systems Lab	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Fedora / Ubuntu, Turbo C++.
CS 2258 Data Base Management Systems Lab	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Turbo C++,Oracle 11g, Visual Studio 8.0
CS2307 Network Lab	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, JDK 1.5
CS2308 System Software Lab	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Turbo C++.
CS2309 Java Lab	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, JDK 1.5
CS2357 Object Oriented Analysis and Design Lab	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Rational Suit.
GE2321 Communication Skills Lab	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7
CS2358 Internet Programming Lab	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, JDK 1.5
CS2405 Computer Graphics Lab	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Turbo C++.
CS2406 Open Source Lab	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Fedora / Ubuntu,
GE6161 Computer Practices Laboratory	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Fedora / Ubuntu, Turbo C++.
CS6212 Programming and Data StructuresLaboratory I	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Turbo C++.
CS6311 Programming and Data Structure Laboratory II	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Turbo C++.
CS6312 Database Management Systems Laboratory	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Turbo C++,Oracle 11g, Visual Studio 8.0
CS6411 Networks Laboratory	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, JDK 1.5
CS6413 Operating Systems Laboratory	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Fedora / Ubuntu, Turbo C++.
CS6511 Case Tools Laboratory	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Rational Suit.
CS6512 Internet Programming Laboratory	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, JDK 1.5
CS6513 Computer Graphics Laboratory	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Turbo C++.

CS6611 Mobile Application Development Laboratory	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Android Studio 1.5.
CS6612 Compiler Laboratory	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Turbo C++.
GE6674 Communication and Soft Skills – Laboratory Based	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7
CS6711 Security Laboratory	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, JDK 1.5
CS6712 Grid and Cloud Computing Laboratory	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, JDK 1.5
CP7111 Advanced Data Structures Laboratory	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Turbo C,JDK 1.5
CP7112 Case Study - Network Design (Team Work)	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Turbo C,JDK 1.5
CP7211 Advanced Databases Laboratory	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Turbo C++,Oracle 11g, Visual Studio 8.0
CP7212 Case Study - Operating Systems Design (TeamWork)	Monitor,Keyboard, Mouse, CPU, Printer, Windows XP/7, Fedora / Ubuntu, Turbo C++.

31. Number of students receiving financial assistance from college, university, government or other agencies

Total No. of Students : 94

32. Details on student enrichment programmes (special lectures / workshops/seminar) with external experts

S. No.	Academic Year	Name of the Programme	Duration	Resource Person
1.	2012-2013	Object Oriented Concepts	1 Day	Mr. S. Vasanth
2.	2012-2013	Ethical Hacking	7 Days	Mr. Pauri Gupta
3.	2013-2014	Web Mining	1 Day	Dr. N.Karthikeyan
4.	2013 -2014	Cloud Computing	1 Day	Mr. S. Mohamed Saleem
5.	2014-2015	Basic Networking	3 Hrs	Mr. P.K.Amarnath
6.	2014-2015	Java with Android Application Development	21 Days	SAN Technologies

7.	2014-2015	Web Designing	3 Hrs	Mr. AhamedEjazRasool
8.	2014-2015	Workshop on C, C++ basics	1 Day	SAN Technologies
9.	2015-2016	Theory of Computation	1 Day	Mrs. K. Karthika
10.	2015-2016	Workshop on .NET basics	1 Day	SAN Technologies
11	2016 -2017	Faculty Development Program	1 Day	Dr. G. Singaravel, Prof & Head / CSE
12	2016 -2017	Faculty Development Program	1 Day	Dr. P. Venkateshwari , Prof / CSE
13	2016 -2017	Faculty Development Program	1 Day	Dr. M. Karthikeyan, Dean / CSE
14	2016 -2017	Guest Lecture on Cryptography & Network Security	1 Day	Dr. A. Senthil, Prof / CSE
15	2016 -2017	Entrepreneur Development Program	1 Day	Mr. Vetrivendhan, VP
16	2016 -2017	Guest Lecture on Learning new technologies	1 Day	Mr. S. Shahul Hameed, Programmer
17	2016 -2017	Seminar on Compiler Design	1 Day	Dr. T. Kalaikumaran, HOD / CSE
18	2016 -2017	Career Guidance Program	1 Day	Mr. Gnanasekaran, Deputy Director

33. Teaching methods adopted to improve student learning

- Board Teaching
- Over Head Projector (OHP)
- Power Point Presentation
- Activity Based
- Group Discussions
- Referring Internet for Demonstration
- Tutorial session for problematic subjects

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- National Service Scheme
- Youth Red Cross
- Red Ribbon Club

35. SWOC analysis of the department and Future plans

Strengths:

- Having well experienced and efficient faculty
- Well equipped labs with internet facilities
- Encouraging the students for participating in co and extra-curricular activities in various colleges all over Tamilnadu.
- Encouraging the students to participate in Industrial Visit and In-Plant Training.
- Conducting club activities every year.
- Conducting Value Added Courses for the students in emerging technologies.

Weakness:

- Not giving training in other international languages like French, Chinese etc.
- Not arranging the abroad visits.

Opportunity:

- We are training the students for the placement opportunities
- Training classes for IAS and IBPS exams
- Arranging passports for the individual students and faculty
- Training given to students for the TNPSC, RRB & Other government employment opportunities.

Challenges:

- Communication training for students who are lagging in English communication.
- Training the students to get government jobs

Future Plans of the Department:

- We are planning to train TOEFL, GRE, MAT to the students
- We are planning to train the foreign languages with the help of experts from outside.

(3)Electrical and Electronics Engineering

1. Name of the Department : Electrical and Electronics Engineering

2. Year of Establishment : 2009

3. Names of Programmes / Courses offered

Name of the Programme	Year of Establishment	Sanctioned Strength
B.E., Electrical and Electronics Engineering	2009	60

4. Names of Interdisciplinary courses and the departments / units involved

Course Code& Name	Semester	Name of the Department
MA6351 : Transforms and Partial Differential Equations GE6351: Environmental Science and Engineering	III	Science and Humanities
MA6459 : Numerical Methods	IV	
CS6456 : Object Oriented Programming	IV	Computer Science Engineering
CS6461 : Object Oriented Programming Laboratory	IV	
EE6301 : Digital Logic Circuits EC6202 : Electronic Devices and Circuits EE6303 : Linear Integrated Circuits and Applications EC6361 : Electronics Laboratory EE6311 : Linear and Digital Integrated Circuits Laboratory	III	Electronics & Communication Engineering
EE6403 : Discrete Time Systems and Signal Processing	IV	

5. Annual / semester / choice based credit system (programme wise)

B.E., Electrical and Electronics Engineering: Semester Based Credit System

6. Participation of the department in the courses offered by other departments

Course Code & Name	Semester	Name of the Department
EE6351 : Electrical Drives and Controls EE6365 : Electrical Engineering Laboratory	III	Mechanical Engineering
EE6352 : Electrical Engineering and Instrumentation	III	Electronics & Communication Engineering
EE6461 : Electrical Engineering and Control System Laboratory	IV	

7. Courses in collaboration with other universities, industries, foreign institutions, etc.,: NIL

S.No.	Other University / Industry / Institute Collaboration	Name of the Course(s)	Year of Signing MoU
1	Spark Tech	PLC	2010
2	Vam Electra Enterprises	Power Electronics Circuit Design	2010
3	Megatronics	PLC/SCADA	2010
4	Embuzz Technologies Pvt. Ltd.	Circuit Design	2011
5	Axis Global Institution of Industrial Training	Embedded	2011
6	Bewell Hospitals	Measuring Instruments	2016
7	Southern Automation	PLC/SCADA	2017

8. Details of courses/programmes discontinued (if any) with reasons : **NIL**

9. Number of Teaching posts

UG

	Sanctioned	Filled
Professors	1	NIL
Associate Professors	2	3
Asst. Professors	9	11

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

UG

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided for the last 4 years
Mr. N. Rameshkumar	M.E.,M.B.A.,(Ph.D)	ASP&HOD	Power Electronics & Drives	13	NIL
Mr. V. Suresh	M.E.	ASP	Power Electronics & Drives	9	NIL
Mr. A. SathikBasha	M.E.	ASP	Power Electronics & Drives	8	NIL
Mr. A. AbdullaMasooth	M.E.	AP	Power Electronics & Drives	7	NIL
Mr. R. Dinesh Kumar	M.E.	AP	Power Electronics & Drives	5	NIL
Mr. B. Balajee	M.E.	AP	Applied Electronics	5	NIL
Mr. G. Manoj Prabhu	M.E.	AP	Applied Electronics	6	NIL
Mr. T. Vimal Kumar	M.E.	AP	Power Electronics & Drives	4	NIL
Mr. R. Gowtham	M.E.	AP	Energy Engineering	4	NIL
Mr. M. DineshKumar	M.E.	AP	Embedded Systems Technologies	4	NIL
Mr. M. Mohandass	M.E.	AP	VLSI Design	4	NIL

Mr. K. Jones	M.E.	AP	Embedded Systems Technologies	4	NIL
Mr. M. Sadiq Batcha	M.E.	AP	Applied Electronics	4	NIL
Mr. M. Vadivel	M.E.	AP	Power System Engineering	4	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)

Programme	Sanctioned Intake	No. of Faculty	Ratio
UG: B.E., EEE	60	14	13:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Administrative Staff	NIL	NIL
Technical Staff	1	1
Supporting Staff	1	1

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ M.Phil./PG

No. of Faculty with Ph.D.	No. of Faculty with M.Phil	No. of Faculty with PG
NIL	NIL	14

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 : NIL

18. Research Centre /facility recognized by the University : **NIL**

19. Publications:

(a) Publication per faculty

S. No.	Name of the Faculty	International Journals	National Journals	International Conference	National Conference
1.	N. Ramesh Kumar	2	4	2	4
2.	V. Suresh	2	2	2	1
3.	A. SathikBasha	2	2	2	1
4.	R. Dinesh Kumar	2	1	3	2
5.	B. Balajee	2	2	2	3
6.	G. Manoj Prabhu	2	2	2	4
7.	T. Vimal Kumar	1	2	2	3
8.	R. Gowtham	1	2	2	3
9.	M. DineshKumar	1	2	2	1
10.	M. Mohandass	1	1	1	1
11.	A. AbdullaMasooth	1	-	1	-
12.	K. Jones	1	1	1	-
13.	M. Sadiq Batcha	1	1	1	-
14.	M. Vadivel	1	-	1	-

❖ Number of papers published in peer reviewed journals (national / international) by faculty and students : 42

❖ 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

S. No.	Name of the Book	Author(s)	Publisher	ISBN No.
1	Power system analysis	Mr. N. Rameshkumar, ASP & Head , Mr. T. Vimalkumar, Assistant Professor	Shanlax Publications, 61, TPK, Main Road, Vasantha Nagar, Madurai – 625 003	978-93-80686-31-8
2.	Protection and switchgear	Mr. V. Suresh, Assistant Professor	Shanlax Publications, 61, TPK, Main Road, Vasantha Nagar, Madurai – 625 003	978-93-80686-48-6
3.	Special Electrical Machines	Mr. R. Dineshkumar, Assistant Professor	Shanlax Publications, 61, TPK, Main Road, Vasantha Nagar, Madurai – 625 003	978-93-80686-41-7
4.	Protection and Switchgear	Mr. N. Rameshkumar, ASP & Head M. Vadivel, Assistant Professor Mr. M. Dineshkumar, Assistant Professor	Shanlax Publications, 61, TPK, Main Road, Vasantha Nagar, Madurai – 625 003	978-93-85399-02-2

- ❖ Citation Index : NIL
- ❖ SNIP : NIL
- ❖ SJR : NIL
- ❖ Impact factor : NIL
- ❖ h-index : NIL

20. Areas of consultancy and income generated:

S. No.	Academic Year	Nature of Work	Name of the Concern	Amount
1.	2012-2013	Electrical Wiring Accessories Erection and Installation Work	Vamee Electricals Private Limited	30000

2.	2013-2014	Energy Auditing and Conservation Work	Premier Power Line Private Limited	23000
3.	2013-2014	Energy Auditing and Conservation Work	Megatronics Private Limited	45000
4.	2014-2015	Industrial Automation Trouble-Shooting Process	Ovinec Electronic Private Limited	55000
5.	2014-2015	Design And Development of Low Cost Microcontroller Based Interface	Vamee Electricals Private Limited	25000
6.	2014-2015	Short Term Training Program in E-CADD Designing	Axis Global Automation Private Limited	18000
7.	2014-2015	Training in E-CADD Designing	Premier Power Line Private Limited	25000
8.	2015-2016	Training in PCB Fabrication	Ovinec Electronic Private Limited	20000
9.	2016-2017	Assembling of Phase Changer	Megatronics Private Limited	23000

21. Faculty as members in

- a) National committees : NIL
 b) International Committees : NIL
 c) Editorial Boards : NIL

22. Student projects

- (a) Percentage of students who have done in-house projects including inter-departmental
 (b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories / Industry / other agencies

S. No.	Academic Year	% of In-house Projects	% of Industrial Projects
1.	2015 – 2016	90%	10%
2.	2014 – 2015	85%	15%
3.	2013 – 2014	90%	10%
4.	2012 – 2013	100%	0%

23. Awards/ Recognitions received by faculty and students

Faculty

S. No.	Name of the Faculty	Details of Awards/Recognitions Received/Academic Achievements	Academic Year
1.	Mr. G. Manoj Prabu	Cash Prize – Best Results in Anna University Examinations	2015-2016
2.	Mr. A.AbdullhaMasooth	Cash Prize – Best Results in Anna University Examinations	2015-2016
3.	Mr. B.Balajee	Cash Prize – Best Results in Anna University Examinations	2015-2016
4.	Mr. R. Gowtham	Cash Prize – Best Results in Anna University Examinations	2015-2016
5.	Mr. G. Manoj Prabu	Cash Prize – Best Results in Anna University Examinations	2015-2016
6.	Mr. T. Vimalkumar	Cash Prize – Best Results in Anna University Examinations	2015-2016
7.	G. Manoj Prabhu	Cash Prize – Best Results in Anna University Examinations	2014-2015
8.	R. DineshKumar	Cash Prize – Best Results in Anna University Examinations	2014-2015
9.	M. DineshKumar	Cash Prize – Best Results in Anna University Examinations	2014-2015
10.	B. Balajee	Cash Prize – Best Results in Anna University Examinations	2014-2015
11.	R. Gowtham	Cash Prize – Best Results in Anna University Examinations	2014-2015
12.	T. Vimalkumar	Cash Prize – Best Results in Anna University Examinations	2014-2015
13.	G. Manoj Prabhu	Cash Prize – Best Results in Anna University Examinations	2014-2015
14.	V. Suresh	Cash Prize – Best Results in Anna University Examinations	2013-2014

15.	R. DineshKumar	Cash Prize – Best Results in Anna University Examinations	2013-2014
16.	R. Gowtham& M. Jayalani	Cash Prize – Best Results in Anna University Examinations	2013-2014
17.	B. Balajee	Cash Prize – Best Results in Anna University Examinations	2013-2014
18.	N. Ramesh Kumar	Cash Prize – Best Results in Anna University Exam	2013-2014
19.	R. Gowtham	Cash Prize – Best Results in Anna University Examinations	2013-2014
20.	G. Manoj Prabhu	Cash Prize – Best Results in Anna University Examinations	2013-2014
21.	T. Vimalkumar	Cash Prize – Best Results in Anna University Examinations	2013-2014
22.	V. Suresh	Cash Prize – Best Results in Anna University Examinations	2013-2014
23.	B. Balajee	Cash Prize – Best Results in Anna University Examinations	2013-2014
24.	R. Dinesh Kumar	Cash Prize – Best Results in Anna University Examinations	2013-2014
25.	M. Dinesh Kumar	Cash Prize – Best Results in Anna University Examinations	2013-2014
26.	M. Mohandass& A. SathikBasha	Cash Prize – Best Results in Anna University Examinations	2012-2013
27.	V. Suresh	Cash Prize – Best Results in Anna University Examinations	2012-2013
28.	G. Manoj Prabhu	Cash Prize – Best Results in Anna University Examinations	2012-2013
29.	K.Jones	Cash Prize – Best Results in Anna University Examinations	2012-2013

30.	B. Balajee	Cash Prize – Best Results in Anna University Examinations	2012-2013
31.	N. Ramesh Kumar	Cash Prize – Best Results in Anna University Examinations	2012-2013
32.	R. Gowtham	Cash Prize – Best Results in Anna University Examinations	2012-2013
33.	R. Gowtham	Cash Prize – Best Results in Anna University Examinations	2012-2013
34.	A. SathikBasha	Cash Prize – Best Results in Anna University Examinations	2012-2013
37.	V. Suresh	Cash Prize – Best Results in Anna University Examinations	2012-2013

Students

S. No.	Name of the Student	Details of Awards/Recognitions Received/Academic Achievements	Academic Year
1.	T. Gopinath	Young Scientist-Award	2015-2016
2.	Preethi .K	Topper/Cash Award	2015-2016
3.	Kalaivani.A	Topper/Cash Award	2015-2016
4.	Abubakkar .B	Topper/Cash Award	2015-2016
5.	Gousika .M	Topper/Cash Award	2015-2016
6.	Kalaivani.A	Topper/Cash Award	2015-2016
7.	Abubakkar .B	Topper/Cash Award	2015-2016
8.	T.Gopinath	Project Presentation	2015-2016
9.	N.MohammedYasarArafath	Project Presentation	2015-2016
10.	B. Abubakkar	Paper Presentation	2015-2016
11.	M.Sheriff Nawaz	Paper Presentation	2015-2016
12.	M.Ari Vishnu	Project	2015-2016

13.	I.Thamilarasan	Project	2015-2016
14.	G.Santhoshkumar	Circuit Debugging	2015-2016
15.	B.Maheshwaran	Circuit Debugging	2015-2016
16.	Mohammed Anfas M.T.K	Best Outgoing Student	2015-2016
17.	Mohamed Asath Ali. K.M	Topper/Cash Award	2014-2015
18.	Shanmugam.A	Topper/Cash Award	2014-2015
19.	Kalaiselvam.K	Topper/Cash Award	2014-2015
20.	Kalaivani. A	Topper/Cash Award	2014-2015
21.	Mohamed MarzookNowfal.M.S	Topper/Cash Award	2014-2015
22.	Kalaiselvam . K	Topper/Cash Award	2014-2015
23.	T.Gopinath	Project	2014-2015
24.	S.Imran	Project	2014-2015
25.	R.Salman Khan	Project	2014-2015
26.	T.Gopinath	Project	2014-2015
27.	R.Salman Khan	Project	2014-2015
28.	M.Sheriff Nawaz	Project	2014-2015
29.	K.Mohammedbashil	Project	2014-2015
30.	T.Gopinath	Project	2014-2015
31.	S.Fowjilhaq	Project	2014-2015
32.	T.Gopinath	Project	2014-2015
33.	S.Fowjilhaq	Project	2014-2015
34.	S. FowjilHaq	First Prize – Project expo	2013-2014
35.	A. Abdul Bhaseeth Z. RafiqBasha S. Muhammed Luqman	First Prize – Project expo	2013-2014

36.	D. Prakash	First Prize – Paper Presentation	2013-2014
37.	D. Prakash U. Jeyaprakash	Second Prize – Paper Presentation	2013-2014
38.	P. Govindraj R. Mohan Raj M. Somasundaram	Second Prize – Paper Presentation	2013-2014
39.	D. Prakash U. Jeyaprakash	First Prize – Paper Presentation	2013-2014
40.	D. Prakash U. Jeyaprakash	Third Prize – Paper Presentation	2013-2014
41.	D. Prakash	Third Prize – Paper Presentation	2013-2014
42.	J. Mahendran B. Paripoornan M. Sheik Sikandar Ali Riyaz N.M. KadharMohaideen	Third Prize – Project expo	2013-2014
43.	A. Sathesh Kumar T. Suresh B. Bharath Kumar	Third Prize – Project expo	2013-2014
44.	U. Jeyaprakash	Prize- Paper Presentation	2012-2013
45.	U. Jeyaprakash	Prize- Paper Presentation	2012-2013
46.	J. Anbarasu	Prize- Paper Presentation	2012-2013
47.	J. Anbarasu	Prize- Project expo	2012-2013
48.	J. Anbarasu	Prize- Paper Presentation	2012-2013
49.	P. Saravana Raj	Prize- Paper Presentation	2012-2013
50.	P. Saravana Raj	Prize- Paper Presentation	2012-2013
51.	P. Saravana Raj	Prize- Paper Presentation	2012-2013
52.	U. Jeyaprakash	Prize- Paper Presentation	2012-2013

53.	U. Jeyaprakash	Prize- Paper Presentation	2012-2013
54.	B. Nandhini	Prize- Project expo	2012-2013
55.	S. Kumutha	Prize- Project expo	2012-2013
56.	N. Sumathi	Prize- Project expo	2012-2013
57.	S. FowjilHaq	First Prize – Project expo	2013-2014
58.	A. Abdul Bhaseeth Z. RafiqBasha S. Muhammed Luqman	First Prize – Project expo	2013-2014
59.	D. Prakash	First Prize – Paper Presentation	2013-2014
60.	D. Prakash U. Jeyaprakash	Second Prize – Paper Presentation	2013-2014
61.	P. Govindraj R. Mohan Raj M. Somasundaram	Second Prize – Paper Presentation	2013-2014
62.	D. Prakash U. Jeyaprakash	First Prize – Paper Presentation	2013-2014
63.	D. Prakash U. Jeyaprakash	Third Prize – Paper Presentation	2013-2014
64.	D. Prakash	Third Prize – Paper Presentation	2013-2014
65.	J. Mahendran B. Paripoornan M. Sheik Sikandar Ali Riyaz	Third Prize – Project expo	2013-2014
66.	A. Sathesh Kumar T. Suresh B. Bharath Kumar	Third Prize – Project expo	2013-2014
67.	U. Jeyaprakash	Prize- Paper Presentation	2012-2013
68.	U. Jeyaprakash	Prize- Paper Presentation	2012-2013

69.	J. Anbarasu	Prize- Paper Presentation	2012-2013
70.	J. Anbarasu	Prize- Project expo	2012-2013
71.	J. Anbarasu	Prize- Paper Presentation	2012-2013
72.	P. Saravana Raj	Prize- Paper Presentation	2012-2013
73.	P. Saravana Raj	Prize- Paper Presentation	2012-2013
74.	P. Saravana Raj	Prize- Paper Presentation	2012-2013
75.	U. Jeyaprakash	Prize- Paper Presentation	2012-2013
76.	U. Jeyaprakash	Prize- Paper Presentation	2012-2013
77.	B. Nandhini	Prize- Project expo	2012-2013
78.	S. Kumutha	Prize- Project expo	2012-2013
79.	N. Sumathi	Prize- Project expo	2012-2013

24. List of eminent academicians and scientists /visitors to the department :

S. No.	Name & Designation of the eminent Academicians and Scientists / Visitors	Working Institution / Organisation	Date of Visit
1.	Dr. A. Jagadeesan ASP/EIE	Bannari Amman Institute of Technology Sathy	19/2/2013
2.	Mr.G.Saravanan Head HR	Srinsoft Tech (P) Ltd Chennai.	8/3/13 to 9/3/13
3.	Mr.S.Sridharan Sr.Lecturer,	Al-Ameen Polytechnic College.	10/09/2012
4.	Mr.S.Sathishkumar HOD/EEE,	Surya Engineering College.	06/02/2013
5	Alhaj.K.K.S.K. Rafiq Managing Director	KKSK Hides Pvt Ltd , Erode	12/09/2012
6	Mr. V.Sakthivel Head – HR	Sakthi Distributors, Erode	11/03/2013

7	Dr. A. Ramesh Prof./ EEE,	KSR College of Engineering	10/2/2014
8	Alhaj Honourable Justice Mr. F.M. Ibrahim Kalifulla Alhaj Justice Mr. S.M.Sidickk	Judge Supreme Court of India Former Judge Madras High Court	7/6/2014
9	Mr.S.Sathishkumar HOD/EEE,	Surya Engineering College.	27/09/2013
10	Mr. SKM Myilanandan Managing Director	SKM Food Products, Erode	16/09/2013
11	Mr. T.Kesavaperumal HR – Development Manager	Dharsan Agencies, Erode	03/03/2014
12	Dr. R. Senthilkumar HOD/EEE	Bannari Amman Institute of Technology Sathy.	24/8/2015
13	Dr.S.Ganesan Registrar	Anna University Chennai.	18/4/2015
14	Mr.S.Sridharan Sr.Lecturer,	Al-Ameen Polytechnic College.	23/07/2014
15	Dr.M.Poonguzhali HOD/ECE,	Narasu's Sarathy college of Engineering.	10/09/2014
16	Mr.R.Jothimani, AP/ ECE	KSR College of Engineering.	17/09/2014
17	Dr. M. Vijayakumar ASP/ EEE	KSR College of Engineering	24/8/2015
18	Alhaj Honourable Justice Mr. F.M. Ibrahim Kalifulla Justice Mr. S.M.Sidickk	Judge Supreme Court of India Former Judge Madras High Court	29/5/2016
19	Mr.K.Prakasam AP/ EEE	KSR College of Engineering	12/08/2015
20	Mr.R.Jothimani AP/ ECE	KSR College of Engineering.	10/03/2016

21	Mr. S.Karthikeyan	Genuine Enviro Tech, Erode	23/09/2015
22	Mr.S. Anandkumar	Amman Distributors, Erode	11/03/2016

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

S. No.	Academic Year	Title	Date(s) of the Event	Source of Funding
1.	2011-2012	A National Conference on Advances in Computing, Control, Communication, Automation & Structural Engineering	10.03.2012	Al-Ameen Educational and Charitable Trust
2.	2012-2013	A National Conference on Advances in Computing, Control, Communication, Automation & Structural Engineering	08.03.2013 & 09.03.2013	Al-Ameen Educational and Charitable Trust
3.	2012-2013	Guest Lecture On Power Transmission And Distribution	19.07.2012 to 25.07.2012	Al-Ameen Educational and Charitable Trust
4.	2012-2013	Guest Lecture on Control Systems	10.09.2012	Al-Ameen Educational and Charitable Trust
5.	2012-2013	Guest Lecture on Microprocessors & Microcontroller	10.09.2012	Al-Ameen Educational and Charitable Trust
6.	2012-2013	Value Added Courses – Circuit Designing	04.02.2013 to 14.02.2013	Al-Ameen Educational and Charitable Trust
7.	2013-2014	Guest Lecture on Power System Transmission	30.03.2014 to 04.04.2014	Al-Ameen Educational and Charitable Trust
8.	2013-2014	Guest Lecture on Microprocessor And Microcontroller	03.02.2014 to 08.02.2014	Al-Ameen Educational and Charitable Trust
9.	2013-2014	Guest Lecture on Digital Signal Processing	27.09.2013	Al-Ameen Educational and Charitable Trust
10.	2013-2014	Value Added Course on Embedded Systems	24.03.2014 to 31.03.2014	Al-Ameen Educational and Charitable Trust

11.	2014-2015	Guest Lecture on Microprocessors & Microcontroller	23.07.2014	Al-Ameen Educational and Charitable Trust
12.	2014-2015	Guest Lecture on Digital Signal Processing	10.09.2014	Al-Ameen Educational and Charitable Trust
13.	2014-2015	Guest Lecture on Digital Signal Processing	17.09.2014	Al-Ameen Educational and Charitable Trust
14.	2014-2015	Value Added Course on Measuring Instruments & Circuit Designing	05.01.2015 to 15.01.2015	Al-Ameen Educational and Charitable Trust
15.	2015-2016	Guest Lecture on Discrete Time Signal Processing	10.03.2016	Al-Ameen Educational and Charitable Trust
16.	2015-2016	Guest Lecture on Power System Operation & Control	12.08.2015	Al-Ameen Educational and Charitable Trust

b) International

S. No.	Academic Year	Title	Date(s) of the Event	Source of Funding
1.	2014-2015	An International Conference on Advances in Computing, Control, Communication, Automation & Structural Engineering	11.04.2015	Al-Ameen Educational and Charitable Trust
2.	2015-16	An International Conference on Advances in Computing, Control, Communication, Automation & Structural Engineering	07.05.2016	Al-Ameen Educational and Charitable Trust

26. Student profile programme/course wise

Name of the Programme	Applications Received	Selected	Enrolled		Pass Percentage (As on May/June 2016)
			Male	Female	
B.E., EEE (2009 – 2013)	43	43	42	01	93%
B.E., EEE (2010 – 2014)	59	59	55	04	92%

B.E., EEE (2011 – 2015)	33	33	32	01	79%
B.E., EEE (2012 – 2016)	48	48	48	NIL	81%

27. Diversity of Students

Name of the Programme	Academic Year	% of students from the same state	% of students from other states	% of students from abroad
B.E., EEE	2009 – 2010	71%	29%	NIL
	2010 – 2011	90%	10%	NIL
	2011 – 2012	85%	15%	NIL
	2012 – 2013	86%	14%	NIL
	2013 – 2014	88%	12%	NIL
	2014 – 2015	89%	11%	NIL
	2015 – 2016	93%	7%	NIL
	2016 – 2017	94%	6%	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

NIL

29. Student progression (Year wise)

Student Progression	Against % Enrolled (As on February 2017)			
	2012-2016	2011 – 2015	2010 – 2014	2009 – 2013
UG to PG	6%	NIL	2%	5%
PG to M.Phil.	NA	NA	NA	NA
PG to Ph.D.	NA	NA	NA	NA

Ph.D. to Post-Doctoral	NA	NA	NA	NA
Employed				
Campus Selection	33%	49%	64%	40%
Other than campus recruitment	20%	18%	20%	17%
Entrepreneurship / Self-employment	19%	21%	9%	30%

30. Details of Infrastructural facilities

a) Library

No. of Books : 420

b) Internet facilities for Staff & Students

Wired : Yes

WiFi : Yes

c) Class rooms with ICT facility : 1

d) Laboratories

Curriculum Lab Description	List of Equipments
Electrical Machines Laboratory	Alternator salient pole, alternator non salient pole, ammeter, clamp meter, three phase energy meter, frequency meter, dc shunt generator, dc series generator, dc compound generator, Electric Generating set, SPSTS, DPSTS, TPSTS, DPSTS, TPDTS SPSTS, DC Shunt motor, DC Shunt motor, DC Series motor, DC Compound motor, Single phase Induction motor, Single phase Induction motor, Single phase Induction motor, AC Slip ring induction motor, Auto Synchronous motor, Digital Multimeter (M8200G), Meggar, Phase Sequence Indicator, Single phase Powerfactor meter, Three phase Powerfactor meter, Tubular Rheostat, Rectifier unit, Range Finder, Stop watch (Digital), Three point Starter, Four point Starter, Two point Starter, Single phase D.O.L. Starter, Three phase D.O.L. Starter, Manual Star-Delta Starter, Semi automatic Star-Delta Starter, Fully automatic Star-Delta Starter, 1 Phase Transformer, 3 Phase Transformer, Single phase Variac, Three phase Variac, Tachometer (Digital – Contact), Tachometer (Analog - Contact), Tachometer (Non- Contact), Voltmeter, Wattmeter, Single phase Loading Rheostat, Three phase Loading Rheostat

Control System Laboratory	DC servo motor trainer kit, AC servo motor trainer kit, stability analysis of linear system trainer kit, stepper motor control system trainer kit, lag and lead compensators trainer kit, AC and DC position control system, analog simulation of type 0 and type 1 system,
Simulation Laboratory	25 PC systems, Math-CAD software, Mi-power Software
Measurement & Instrumentation Laboratory	Bourdon pressure bridge trainer kit, Maxwell induction bridge trainer kit, Schering bridge trainer kit, Wheatstone bridge trainer kit, LVDT trainer kit, digital live wire detector, speed control of DC motor using three phase rectifier trainer kit, speed control of brushless DC motor trainer kit, design and fabrication 5V constant voltage power supply, design and fabrication (0-12)V, 1A variable voltage power system, design and fabrication of domestic UPS, TMS 320F2407 based DSP controller (micro-2407) kit, three phase IGBT based power supply model (VPET-106A) kit, 1 HP three phase AC induction motor with spring balance set up kit, VPE Spartan 6 Board, 1HP DC shunt motor with spring balance load setup kit, PLC based drives kit, design and fabrication of driver circuit to drive an electromagnetic relay trainer kit, design and fabrication of isolation circuit using opto coupler which is required for micro controller for trainer kit, measurement of three phase power and power factor trainer kit, measurement of iron loss and permeability of ring specimen trainer kit, instrumentation amplifier trainer kit, digital to analog converter trainer kit, calibration of current transformer set up trainer kit, analog to digital converter trainer kit, telephone trainer kit, FM radio trainer kit, low voltage power supply trainer kit, math cad software, mi power software.
Power Electronics Laboratory	SCR trainer kit, MOSFET trainer kit, TRIAC trainer kit, IGBT trainer kit, single phase SCR half controlled trainer kit, single phase SCR full controlled trainer kit, three phase SCR half controlled trainer kit, three phase SCR full controlled trainer kit, step down and step up MOSFET based chopper trainer kit, IGBT based single phase PWM inverter trainer kit, SCR based V/I commutated chopper module with relevant firing module, three phase AC voltage controller trainer kit, four quadrant chopper trainer kit, single phase to single phase cycloconverter trainer kit, basic series inverter trainer kit, single phase parallel inverter using MOSFET /IGBT, resonant DC to DC converter trainer kit, Galvanometer, dual trace CRO, digital CRO decade resistance box, decade capacitance box, ammeter, voltmeter, RPS with digital voltmeter and ammeter (single) RPS with digital voltmeter and ammeter (double), decade inductance box, LCR meter

Electrical Circuits Laboratory	Kirchhoff voltage law trainer kit , Kirchhoff current law trainer kit ,thevenin theorem trainer kit, Norton theorem trainer kit,super position theorem trainer kit, maximum power transfer theorem trainer kit, reciprocity theorem trainer kit,frequency response of series resonant circuit, frequency response of parallel resonant circuit, Ohm's law trainer kit, mesh analysis trainer kit, nodal analysis trainer kit
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31. Number of students receiving financial assistance from college, university, government or other agencies

Total No. of Students :108

32. Details on student enrichment programmes (special lectures / workshops/seminar) with external experts

S. No.	Academic Year	Name of the Programme (Workshop & special lectures)	Duration	Resource Person
1.	2012-2013	Symposium	1 Day	Dr. A. Jagadeesan, ASP/EIE Bannari Amman Institute of Technology Sathy.
2.	2012-2013	Conference	1 Day	Mr.G.Saravanan, Head HR Srinsoft Tech (P) Ltd Chennai.
3.	2012-2013	Guest Lecture	1 Day	Mr.S.Sridharan, Sr.Lecturer, Al-Ameen Polytechnic College.
4.	2012-2013	Guest Lecture	1 Day	Mr.S.Sathishkumar HOD/EEE, Surya Engineering College.
5.	2013-2014	Symposium	1 Day	Dr. A. Ramesh Prof./ EEE, KSR College of Engineering
6.	2014-15	Guest Lecture	1 Day	Mr.S.Sathishkumar HOD/EEE, Surya Engineering College.

7.	2014-15	Symposium	1 Day	Dr. R. Senthilkumar HOD/EEE, Bannari Amman Institute of Technology Sathy
8.	2014-15	Guest Lecture	1 Day	Mr.S.Sridharan, Sr.Lecturer, Al-Ameen Polytechnic College.
9.	2014-15	Guest Lecture	1 Day	Dr.M.Poonguzhali HOD/ECE, Narasu's Sarathy college of Engineering.
10.	2014-15	Guest Lecture	1 Day	Mr.R.Jothimani AP/ ECE, KSR College of Engineering.
11.	2015-16	Symposium	1 Day	Dr. M. Vijayakumar ASP/ EEE, KSR College of Engineering
12.	2015-16	Guest Lecture	1 Day	Mr.K.Prakasam, AP/ EEE, KSR College of Engineering
13.	2015-16	Guest Lecture	1 Day	Mr.R.Jothimani AP/ ECE, KSR College of Engineering.
14.	2016-17	Guest Lecture	1 Day	Mr.K.Prakasam AP/ EEE, KSR College of Engineering.

33. Teaching methods adopted to improve student learning

- Board Teaching
- Over Head Projector (OHP)
- Power Point Presentation
- Activity based Group Discussions
- Referring Internet for Demonstration
- Tutorial session for problematic subjects

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- National Service Scheme
- Youth Red Cross
- Red Ribbon Club

35. SWOC analysis of the department and Future plans

Strengths:

- Well qualified & experienced Faculty strength.
- Motivation of students
- Good Lab facilities.
- Faculty Retention.

Weakness:

- Patents
- Research Centre Recognition
- R&D activities to be improved with more sponsored projects with funding

Opportunity:

- Giving Value added courses to students.
- Applying for AICTE sponsored programmes.
- Allowing in plant training and industrial visit.
- Attending international/National seminars and conferences.
- Providing opportunity in innovation and enhancing knowledge.

Challenges:

- Strategies of teaching methodology.
- Improving first graduate students.
- Molding students to corporate cultures.
- Improving student's interest in research.
- Adapting to the new technologies.

Future Plans of the Department:

- To propose PG courses.
- Focusing on 100% results and placements.
- Motivating the students and faculty members for funded and research projects.
- Dissemination of innovative technologies to the rural society.
- Creating awareness about the entrepreneurship.

(4) Electronics and Communication Engineering

1. Name of the Department : Electronics and Communication 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	Year of Establishment	Sanctioned Strength
B.E. Electronics and Communication Engineering	2009	60
M.E. VLSI Design	2013	24

4. Names of Interdisciplinary courses and the departments / units involved

Course Code & Name	Semester	Name of the Department
B.E. Electronics and Communication Engineering		
EC6301: Object Oriented Programming and Data Structures	III ECE	CSE
EC2303 : Computer Architecture and Organization	V ECE	CSE
CS6303 : Computer Architecture	VI ECE	CSE
CS6551 : Computer Networks	VI ECE	CSE
EC6312: OOPs and Data Structure Laboratory	III ECE	CSE
EC6611 : Computer Networks Laboratory	VI ECE	CSE
MA6351: Transforms and Partial Differential Equations	III ECE	S&H
MA6451 : Probability and Random Processes	IV ECE	S&H
GE6674 : Communication and Soft Skills – Laboratory Based	VI ECE	S&H
EE6352: Electrical Engineering and Instrumentation	III ECE	EEE
EE6461 : Electrical Engineering and Control System Laboratory	IV ECE	EEE
M.E. VLSI Design		
MA7157: Applied Mathematics for Electronics Engineers	I M.E. VLSI Design	S&H

5. Annual / semester / choice based credit system (programme wise)

B.E. Electronics and Communication Engineering : SemesterBased Credit System

M.E. VLSI Design : Semester Based Credit System

6. Participation of the department in the courses offered by other departments

Course Code & Name	Semester	Name of the Department
CSE6304: Analog and Digital Communication	III	CSE
CS2403: Digital Signal Processing	VII	CSE
CS6201: Digital Principles and System Design	II	CSE
EC6504: Microprocessor and Microcontroller	IV	CSE
IT6502 : Digital Signal Processing	VI	CSE
CS6211: Digital Laboratory	II	CSE
CS6412: Microprocessors and Microcontrollers Laboratory	IV	CSE
EC6301: Digital Logic Circuits	III	EEE
EE6202: Electronics Devices and Circuits	III	EEE
EC2312: Digital Signal Processing	V	EEE
EC6651 : Communication Engineering	VI	EEE
EE2354: Microprocessors and Microcontrollers	VI	EEE
EC6361: Electronics Laboratory	III	EEE
EE6311 : Linear and Digital Integrated CircuitsLaboratory	III	EEE
EE2356: Microprocessor and Microcontrollers Laboratory	VI	EEE
ME2401: Mechatronics	VII	MECH

7. Courses in collaboration with other universities, industries, foreign institutions, etc.,

S.No.	Other University / Industry / Institute Collaboration	Name of the Course(s)	Year of Signing MoU
1	VI Micro Systems	Microcontroller	2012
2	Saveetha University	Embedded System	2013
3	Southern Automation	PLC Design	2014
4	Embuzz Technologies	Embedded Technologies and Applications	2015

8. Details of courses/programmes discontinued (if any) with reasons : **NIL**

9. Number of Teaching posts

UG

	Sanctioned	Filled
Professors	1	1
Associate Professors	2	2
Assistant Professors	9	9

PG

	Sanctioned	Filled
Professors	1	1
Associate Professors	2	2
Assistant Professors	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

UG

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.S.Kumar	M.E.,M.S.,Ph.D.	Professor & HOD	Process Control and Instrumentation	24 Years	—
Mr. S. Selvam	M.E.,	Associate Professor	Communication System	8 Years	—
Mr. A.M.MD. Ismail	M.E., (Ph.D.)	Associate Professor	Applied Electronics	8 Years	—
Mr. O. Cyril Mathew	M.E., (Ph.D.)	Assistant Professor	Communication Engineering	7 Years	—
Mr. S. R. Shivanantham	M.E.,	Assistant Professor	Applied Electronics	6 Years	—
Mr. M. Sivaneyaselvan	M.E.,	Assistant Professor	Applied Electronics	7Years	—
Mr. Z. Shaheel Hameed	M.E.,	Assistant Professor	Applied Electronics	6 Years	—
Mr. A. Sivakumar	M.E.,	Assistant Professor	Embedded system technologies	5 Years	—
Mr. G.E. Mohamed Musthafa	M.E.,	Assistant Professor	VLSI Design	4 Years	—
Mr.M.Jayalani	M.E.,	Assistant Professor	Applied Electronics	4 Years	—
Mr. S. Syedzagiriya	M.E.,	Assistant Professor	VLSI Design	3 Years	—
Mr. M. Mahaboob	M.E.,	Assistant Professor	Applied Electronics	2 Year	—

PG

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. A.M.J.MD. Zubair Rahman	M.E.,M.S.,Ph.D.	Professor& Principal	Data mining	26 Years	8
Mrs. M. Jothimani	M.E.,	Associate Professor	VLSI Design	15 Years	—
Mr. A. Fayik Ali	M.E.,	Associate Professor	VLSI Design	8 Years	—
Mr. S.N.Syed Jamesha	M.E.,	Assistant Professor	Applied Electronics	1 Year	—

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)

Programme	Sanctioned Intake	No. of Faculty	Ratio
UG: B.E., ECE	60	12	15:1
PG: M.E., VLSI Design	24	4	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Administrative Staff	1	1
Technical Staff	3	3
Supporting Staff	1	1

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ M.Phil./PG

No. of Faculty with Ph.D.	No. of Faculty with M.Phil.	No. of Faculty with PG
2	NA	14

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

S.No.	Name of the Faculty	Details	Academic Year	Sanctioning Authority	Sanctioned Amount
NIL					

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc., and total grants received

S. No.	Department	Name of the Faculty	Details	Academic Year	Sanctioning Authority	Sanctioned Amount
NIL						

18. Research Centre /facility recognized by the University : NIL

19. Publications:

(a) Publication per faculty

S. No.	Name of the Faculty	International Journals	National Journals	International Conference	National Conference
1	Dr.A.M.J.Md.Zubair Rahman	15	4	6	8
2	Dr. D. Dhanasekaran	2	-	1	2
3	Dr. S. Kumar	4	-	3	1
4	Mr. O. Cyril Mathew	7	-	3	-
5	Mr. S.R. Shivanantham	3	-	1	-
6	Mr. S. Selvam	3	-	1	1
7	Mr. A.M.Md. Ismail	3	-	2	2

8	Mr.A.M.Md. Abdul Khader	2	-	1	-
9	Mr .Z. Shaheel Hameed	1	-	2	1
10	Mr. A. Sivakumar	2	-	1	-
11	Mr. M. Sivaneyaselvan	1	-	1	-
12	Mr. G.E. Mohamed Musthafa	1	-	1	1
13	Mr. S. Syedzagiriya	1	-	1	1
14	Mr. A. Fayik Ali	1	-	1	1
15	Mrs. M. Jothimani	1	-	2	1
16	Mr. M. Mahahoob	2	-	1	1
17	Mr.M.Jayalani	2	-	1	-

- Number of papers published in peer reviewed journals (national / international) by faculty and students : 29
- 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

S. No.	Name of the Book	Author(s)	Publisher	ISBN No.
1	Microprocessor and Microcontroller	Prof. S. Kumar, Professor and Head / ECE & Mr. O. Cyril Mathew, Assistant Professor / ECE	Shanlax Publications, 61, TPK, Main Road, Vasantha Nagar, Madurai-625003	978-93-80686-25-7

2	VLSI design	Mr. S. R. Shivanantham Mr. S. Selvam	Shanlax Publications,61,TPK,Main Road,Vasantha Nagar,Madurai-625003	978-93- 80657-74-5
3	Principles of Management	Mr. A. Fayik Ali & Mr. A. M.Md. Ismail	Shanlax Publications,61,TPK,Main Road,Vasantha Nagar,Madurai-625003	978-93- 80686-70-7
4	Digital Principles and System Design	Prof. S. Kumar, Professor and Head / ECE & Mrs.M.Jothimani Associate Professor / ECE	Shanlax Publications,61,TPK,Main Road,Vasantha Nagar,Madurai-625003	978-93- 85399-16-9

- Citation Index : 4
- SNIP : NIL
- SJR : NIL
- Impact factor : NIL
- H-index : 1

20. Areas of consultancy and income generated:

S. No.	AcademicYear	NatureofWork	NameoftheConcern	Amount
1	2012-2013	Mobile Service	TheChennai Mobiles No. 1463, MetturRoad,Erode.	Service Motto
2	2012-2013	Home Security System	Southern Automation and Industrial Training Services Private Limited No.03, 2 nd Floor, Malathi Complex, KMY Street,Erode-638003	55,000
3	2012-2013	LED Lighting Solution	Spark Tech Rajeswari Complex 1st Floor, Thiruvika Road, Veerappanchatram,Erode.	60,000
4	2013-2014	TV Service	MuruganElectrical Agency Mettur Road,Erode– 638001.	Service Motto

5	2013-2014	Water Level Controller	Sirius Techno Solution 72 ,Vijay Prasad Building, 8th Street, Cross Cut Road ,Gandhipuram, Coimbatore.	35,000
6	2013-2014	GPS Private Navigation System	Spark Tech Rajeswari Complex 1st Floor, Thiruvika Road, Veerappanchatram,Erode	70,000
7	2013-2014	Wireless Tank Monitoring System	Southern Automation and Industrial Training Services Private Limited No.03, 2 nd Floor, Malathi Complex, KMY Street,Erode-638003	40,000
8	2014-2015	Mobile Service	Universal Mobiles No. 56, MetturRoad,Erode.	Service Motto
9	2014-2015	Solar LED Lamps	Spark Tech Rajeswari Complex 1st Floor, Thiruvika Road, Veerappanchatram, Erode – 638004	50,000
10	2014-2015	Auto Logger	Southern Automation and Industrial Training Services Private Limited No.03, 2 nd Floor, Malathi Complex, KMY Street,Erode-638003	1,50,000
11	2014-2015	Wireless Security System	Sirius Techno Solution 72 ,Vijay Prasad Building 8th Street, Cross Cut Road , Gandhipuram, Coimbatore.	1,25,000
12	2015-2016	TV Service	ThamirabaraniElectronics SathyMain Road, Veerappanchatiram,Erode.	12,500
13	2016-2017	ARM Processor LPC2148	Enthu Technology Solution Ind.Pvt. Ltd. 88 & 89, SSN Square, Peelamedu, Coimbatore - 4	Service Motto

21. Faculty as members in

- a) National committees : NIL
- b) International Committees : NIL
- c) Editorial Boards : NIL

22. Student projects

- (a) Percentage of students who have done in-house projects including inter-departmental
- (b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories / Industry / other agencies

S.No.	Academic Year	% of In-house Projects	% of Industrial Projects
1.	2015 – 2016	100%	0%
2.	2014 – 2015	100%	0%
3.	2013 – 2014	100%	0%
4.	2012 – 2013	100%	0%

23. Awards/ Recognitions received by faculty and students

Faculty

S. No.	Name of the Faculty	Details of Awards/Recognitions Received	Academic Year
1.	Mr. A. Fayik Ali, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2015-2016
2.	Mr. G.E. Mohammed Musthafa, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2015-2016
3.	Mr. A.M. MD Ismail, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2015-2016
4.	Mr. A. Fayik Ali, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2015-2016
5.	Mr. S. SyedZagiriya, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2015-2016
6.	Mr. G.E Mohamed Musthafa, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2015-2016
7.	Prof. S. Kumar, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2015-2016

8.	Mr. A. Sivakumar, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2015-2016
9.	Mr. A.M. Md. Abdul Khader, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2015-2016
10.	Mr. M.Jayalani, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2015-2016
11.	Mr.A.M.MD Abdul Khader, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2014-2015
12.	Mr. O.Cyril Mathew, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2014-2015
13.	Mr. A. Sivakumar, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2013-2014
14.	Mr. Z. Shaheel Hameed, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2013-2014
15.	Mr. A.M.Md. Abdul Khader, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2013-2014
16.	Mr. A.M. Md. Ismail, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2013-2014
17.	Mr. S. Syedzagiriya, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2013-2014
18.	Mr. S. Kumar, Professor &HOD/ECE	Cash Prize – Best Results in Anna University Examinations	2014-2015
19.	Mr. A.M. Md. Ismail, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2014-2015
20.	Mr. S. Selvam, ASP/ECE	Cash Prize – Best Results in Anna University Examinations	2014-2015
21.	Mr. S.R. Shivanantham, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2012-2013
22.	Mr. A.M.Md. Abdul Khader, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2012-2013
23.	Mr. O. Cyril Mathew, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2012-2013

24.	Mr. A. Fayik Ali, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2012-2013
25.	Mrs. N. Gracy, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2012-2013
26.	Mr. G.E. Mohamed Musthafa, AP/ECE	Cash Prize – Best Results in Anna University Examinations	2012-2013

Students

S. No.	Name of the Student	Details of Awards/Recognitions Received	Academic Year
1.	Jameer Abdul Kadar. S	Cash Prize	2015-2016
2.	Yasmin. R	Cash Prize	2015-2016
3.	Sheik Ibrahim. K	Cash Prize	2015-2016
4.	Rubyfathima. A	Cash Prize	2015-2016
5.	Aisha Parveenbinti Mohamed Rafi	Cash Prize	2015-2016
6.	Ummul Barakath A	Cash Prize	2015-2016
7.	Mahalakshmi L	Cash Prize	2015-2016
8.	Yogeshwari S	Cash Prize	2015-2016
9.	Abhuthahir M	Cash Prize	2015-2016
10.	Sanjitha Banu A	Cash Prize	2015-2016
11.	Sowmyaa.S	Cash Prize	2015-2016
12.	Savitha.R	Cash Prize	2015-2016
13.	Dhivakar.P	Cash Prize	2015-2016
14.	Krishnaveni.M	Cash Prize	2015-2016
15.	Lavanya.D	Cash Prize	2015-2016
16.	Mohamed Niyas.H	Cash Prize	2015-2016

17.	Sowmyaa.S	Cash Prize	2014-2015
18.	Lavanya. D	Cash Prize	2014-2015
19.	UmmulBarakath A	Cash Prize	2014-2015
20.	AyeshaBegum. M	Cup	2014-2015
21.	AyeshaBegum. M	Shield	2014-2015
22.	Abhuthahir M	Cash Prize	2014-2015
23.	AishaParveenBinti	Cash Prize	2014-2015
24.	Rajabunisha. A	Cash Prize	2014-2015
25.	S. Sowmya	First Prize	2014-2015
26.	S. Sowmya	First Prize	2014-2015
27.	S. Sowmya	First Prize	2014-2015
28.	V aravinth	Second Prize	2014-2015
29.	M Mohamed jafer suhael	Second Prize	2014-2015
30.	M Krishnaveni	Second Prize	2014-2015
31.	S. Asarabul Absiya	Second Prize	2014-2015
32.	RubyFathima. A	Cash Prize	2014-2015
33.	Savitha. R	Cash Prize	2013-2014
34.	Lavanya. D	Cash Prize	2013-2014
35.	Shaminaz. N	Cash Prize	2013-2014
36.	Parameshwari . M	Cash Prize	2013-2014
37.	UmmulBarakath A	Cash Prize	2013-2014
38.	Abhuthahir M	Cash Prize	2013-2014
39.	R. Rajkumar	Second Prize	2013-2014
40.	Sripathi	Second Prize	2013-2014
41.	R. Rajkumar	First Prize	2013-2014

42.	Sripathi	First Prize	2013-2014
43.	Thilagavathi	Cash Prize	2012-2013
44.	Neelufur	Cash Prize	2012-2013
45.	Shaminaz. N	Cash Prize	2012-2013
46.	Parameshwari . M	Cash Prize	2012-2013
47.	Sowmyaa.S	Cash Prize	2012-2013
48.	Lavanya. D	Cash Prize	2012-2013
49.	D. Arun Kumar	First Prize	2012-2013
50.	K. Sundara vadivel	First Prize	2012-2013
51.	D. Arun Kumar	First Prize	2012-2013
52.	K. Sundara vadivel	First Prize	2012-2013
53.	G. Abuthahir	First Prize	2012-2013
54.	P. Mohankumar	First Prize	2012-2013
55.	S. Karthikeyan	Second Prize	2012-2013
56.	S. Ravivarma	Second Prize	2012-2013
57.	S. Karthikeyan	Second Prize	2012-2013
58.	S.Ravivarma	Second Prize	2012-2013
59.	R. Vinoth	Second Prize	2012-2013
60.	R. Vinoth	Second Prize	2012-2013
61.	V.Aravinth	Third Prize	2012-2013
62.	M. Mohamed Jafer Suhael	Third Prize	2012-2013
63.	VakithaBanu	Cash Prize	2011-2012
64.	Abul Kalam Azath. A	Cash Prize	2011-2012
65.	Thilagavathi	Cash Prize	2011-2012
66.	Neelufur	Cash Prize	2011-2012

67.	Shaminaz. N	Cash Prize	2011-2012
68.	Parameshwari . M	Cash Prize	2011-2012
69.	M. Abdulla	First Prize	2011-2012
70.	M. Sakthi Gnanavel	First Prize	2011-2012
71.	S. Akhil Akram	First Prize	2011-2012
72.	H. Mohamed Ismail	First Prize	2011-2012
73.	H. Mohamed Ismail	First Prize	2011-2012
74.	S. Akhil Akram	Second Prize	2011-2012
75.	H. Mohamed Ismail	Second Prize	2011-2012
76.	P. Gopalakrishnan	Second Prize	2011-2012
77.	B.Arun	Second Prize	2011-2012

24. List of eminent academicians and scientists /visitors to the department

S. No.	Name & Designation of the eminent Academicians and Scientists / Visitors	Working Institution / Organisation	Date of Visit
1.	Mr. G. Saravanarajan Director	DHSInformatics, Bangalore	27/07/2011
2.	Mr. N. Sankar ExecutiveEngineer	TNEB, Erode	20-09-2011
3.	Mr. R Sivakumar Regional Manager	Vi-Microsystems Pvt.Ltd, Erode	22/12/2011
4.	Mr. Senthil KumarKrishnan Sr.PMO Manager	Tech MahindraLimited, Chennai	10/03/2012
5.	Mr. Raghuram Devalla Vice-President-Technology	Tech MahindraSatyam, Chennai	10/03/2012

6.	Mr. V.Jayapaul ChiefEngineer/ Distribution	ErodeRegion	19/07/2012
7.	Mr. G. Saravanan Head– HR	Srinisoft TechnologyPvt. Ltd, Chennai	08/03/2013
8.	Mr. Prem Kumar ServiceEngineer	Vi-Microsystems Pvt.Ltd, Chennai	13/12/2013
9.	Mr. PraveenKumar ServiceEngineer	Vi-Microsystems Pvt.Ltd, Chennai	13/12/2013
10.	Mr. Suresh Sakthivel HR – Development Manager	Kumaran Systems, Chennai	30/03/2014
11.	Mr. V.Hariharasudan Manager-HardwareEngineer	LennoxIndia Technology, Coimbatore	12/09/2014
12.	Mr. S.Thajudeen Employment Director	B.S. Abdul Rahman University, Chennai	24/09/2014
13.	Mr. P. Senthil Kumar HR-Manager	American MegatrendsIndia Ltd, Chennai	11/04/2015
14.	Dr. Sudeb Dasgupta, Professor	Indian Institute of Technology, Roorkee	07/05/2015
15.	Dr. R.VijayaBhasker Assistant Professor (Sr. Grade)	AnnaUniversity, Regional CentreCoimbatore, Coimbatore	01/08/2015
16.	Dr. Venkatesakumar.S Prof /ECE	Anna university, Coimbatore	19.09.2015
17.	Mr.S.Amarnath Managing Director	Embuzz technologies	19.03.2016
18.	Dr.P.S.Periasamy HOD/ECE	KSR College of Engineering, Thiruchengode	25.5.2016 to 27.5.2016

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

S.No.	Academic Year	Title	Date(s) of the Event	Source of Funding
1.	2010-2011	A Workshop on“Microprocessor& Microcontroller”	22/12/2011	Al-Ameen Education and Charitable Trust
2.	2011-2012	A National ConferenceonAdvances in Computing, Control, Communication, Automation &Structural Engineering	10/03/2012	Al-Ameen Education and Charitable Trust
3.	2012-2013	A National ConferenceonAdvances in Computing, Control, Communication, Automation &Structural Engineering	08/03/2013 & 09/03/2013	Al-Ameen Education and Charitable Trust
4.	2012-2013	Training Program on PIC Microcontroller Application with Flow Code	01/12/2012 To 08/12/2012	Al-Ameen Education and Charitable Trust
5.	2012-2013	Training Program on Circuit & PCB Layout Design	04/05/2013 To 10/05/2013	Al-Ameen Education and Charitable Trust
6.	2013-2014	Training Program on Digital Design With Verilog	30/11/2013 to 09/12/2013	Al-Ameen Education and Charitable Trust
7.	2013-2014	Training Program on Embedded Basic Programming Quality Process	10/05/2014 to 21/05/2014	Al-Ameen Education and Charitable Trust
8.	2014-2015	Seminar on Green Electronics	01.08.2014	Al-Ameen Education and Charitable Trust
9.	2014-2015	Training Program on Networking	20/12/2014 to 04/01/2015	Al-Ameen Education and Charitable Trust

10.	2014-2015	Training Program on Embedded Systems	06/12/2014 to 19/12/2014	Al-Ameen Education and Charitable Trust
11.	2014-2015	Workshop on "Hands on training with PIC16f877"	12.02.2015	Al-Ameen Education and Charitable Trust
12.	2015-2016	Workshop on "Wavelet analysis and multire solution using MATLAB "	24.10.2015	Al-Ameen Education and Charitable Trust
13.	2015-2016	Guest lecture on Latest thrust area of tamilnadu	19.09.2015	Al-Ameen Education and Charitable Trust
14.	2015-2016	Workshop on "Emerging trends in Embedded system "	19.03.2016	Al-Ameen Education and Charitable Trust
15.	2015-2016	Faculty Development Programme	25.5.2016 to 27.5.2016	Al-Ameen Education and Charitable Trust

b) International

S. No.	Academic Year	Title	Date(s) of the Event	Source of Funding
1.	2014-2015	An International Conference on Advances in Computing, Control, Communication, Automation & Structural Engineering	10/04/2015 & 11/04/2015	Al-Ameen Educational & Charitable Trust.

26. Student profile programme/course wise

UG

Name of the Programme	Applications Received	Selected	Enrolled		Pass Percentage (As on May/June 2016)
			Male	Female	
B.E., ECE (2009 – 2013)	50	49	34	05	96%
B.E., ECE (2010 – 2014)	61	59	51	08	88%
B.E., ECE (2011 – 2015)	46	43	33	10	60%
B.E., ECE (2012 – 2016)	36	34	09	26	68%

PG

Name of the Programme	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
M.E., VLSI Design (2013 – 2015)	14	10	7	3	79%
M.E., VLSI Design (2014 – 2016)	8	8	5	3	75%

27. Diversity of Students

Name of the Programme	Academic Year	% of students from the same state	% of students from other states	% of students from abroad
B.E.& ECE	2009 - 2010	66%	34%	0%
	2010 – 2011	82%	18%	0%
	2011 – 2012	84%	16%	0%
	2012 – 2013	83%	17%	0%
	2013 – 2014	82%	18%	0%
	2014 – 2015	84%	16%	0%
	2015 - 2016	89%	11%	0%
	2016 - 2017	91%	09%	0%
M.E.&VLSI Design	2013 – 2014	100%	0%	0%
	2014 – 2015	100%	0%	0%
	2015 - 2016	100%	0%	0%
	2016 - 2017	100%	0%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? **NIL**

29. Student progression (Year wise)

Student Progression	Against % Enrolled			
	2012-2016	2011 – 2015	2010 – 2014	2009 - 2013
UG to PG	11%	5%	4%	6%
PG to M.Phil.	NA	NA	NA	NA
PG to Ph.D.	0%	0%	0%	0%
Ph.D. to Post-Doctoral	0%	0%	0%	0%
Employed				
Campus Selection	47%	65%	59%	35%
Other than campus recruitment	12%	9%	22%	33%
Entrepreneurship / Self-employment	0%	19%	7%	20%

30. Details of Infrastructural facilities

a) Library

No. of Books : 452

b) Internet facilities for Staff & Students

Wired : YES

Wi-Fi : YES

c) Class rooms with ICT facility : 01

d) Laboratories

CurriculumLabDescription	Equipments Available
EC6211 – CIRCUITSANDDEVICESLABORATORY	CRO, FunctionGenerator, Dual Regulated PowerSupplies.
EC6311 – ANALOGANDDIGITALCIRCUITS LABORATORY	CRO(30MHz), Signal Generator /FunctionGenerators (3MHz), Dual Regulated PowerSupplies(0–30V), StandalonedesktopPCswithSPICE software, Dual powersupply/single modepower supply, Multimeter.
EC6312 – OOPSANDDATASTRUCTURES LABORATORY	Standalonedesktops,C++compiler.

EC6411 – CIRCUITS AND SIMULATION INTEGRATED LABORATORY	CRO(30MHz), Signal Generator / Function Generator(2MHz), Dual Regulated Power Supplies(0–30V), Digital Multimeter, Digital LCR Meter, Standalone desktops PC, SPICE Circuit Simulation Software.
EC6412 - LINEAR INTEGRATED CIRCUITS LABORATORY	CRO(30MHz), Signal Generator /Function Generators(2MHz), Dual Regulated Power Supplies(0–30V), Digital Multimeter, IC tester, Standalone desktops PC, SPICE Circuit Simulation Software.
EE6461 - ELECTRICAL ENGINEERING AND CONTROL SYSTEM LABORATORY	DC Shunt Motor with Loading Arrangement, DC Shunt Motor Coupled With Three phase Alternator DC Shunt Motor - kW: 5.2 / volts: 220 / Amps: 27.5/ Speed: 1500 RPM/ Field current: 0.9A, Three phase Alternator - KVA: 7.5/ volts: 415/ Amps: 10.4 Speed: 1500 RPM/ Field current: 2A., Single Phase Transformer; 2 KVA, 230/110-166 V, Three Phase Induction Motor with Loading Arrangement (3.7KW, 415V, 7.5A, 1430 RPM), Single Phase Induction Motor with Loading Arrangement (230V, 5HP, 17A), Computers with MATLAB or equivalent Software.
EC6511 - DIGITAL SIGNAL PROCESSING LABORATORY	PCs with Fixed/Floating point DSP Processors (Kit / Add- on Cards), MATLAB with Simulink and Signal Processing Tool Box or Equivalent Software in desktop systems, Signal Generators (1MHz), CRO (20MHz).
EC6512 - COMMUNICATION SYSTEMS LABORATORY	Kits for Signal Sampling, TDM, AM, FM, PCM, DM and Line Coding Schemes, CROs, MATLAB software package for simulation experiments, PCs.
EC6513 - MICROPROCESSOR AND MICROCONTROLLER LABORATORY	8086 Microprocessor trainer kit with power supply, 8051 Microcontroller trainer kit with power supply, Traffic light control Interfacing card compatible with 8086 & 8051 Trainers, Stepper motor control Interfacing compatible with 8086 & 8051 kits, Digital Clock Interfacing board compatible with 8086 & 8051 kits, Keyboard & Display Interface board compatible with 8086 & 8051 kits, Printer Interfacing card compatible with 8086 & 8051 kits, A/D and D/A Interfacing card compatible with 8086 & 8051 kits, Serial and Parallel Interfacing card compatible with 8086 & 8051 kits.

EC6611 - COMPUTER NETWORKS LABORATORY	C/C++ / Java/ Equivalent Compiler, Network simulator NS2 /NS3, Standalone desktops.
EC6612 - VLSI DESIGN LABORATORY	Xilinx or Altera FPGA, Mentor Graphics software package, PCs.
EC6711 - EMBEDDED LABORATORY	Embedded trainer kits with ARM board, Embedded trainer kit suitable for wireless communication
EC6712 - OPTICAL AND MICROWAVE LABORATORY	Trainer kit for carrying out LED and PIN diode characteristics, Digital Multimeter, Optical Power Meter, Trainer kit for determining the mode characteristics, losses in Optical Fiber, Trainer kit for analyzing Analog and Digital link performance, 2Mbps PRBS, Data source, 10MHz Signal Generator, 20MHz Digital Storage, Oscilloscope, Kit for measuring Numerical Aperture and Attenuation of fiber, MM/SM Glass and plastic fiber patch chords with ST/SC/E2000 connectors, LEDs with ST/SC/E2000 receptacles-650/850nm, PIN PDs with ST/SC/E2000, Microwave test Bench at X band to determine Directional coupler receptacles-650/ 850nm, characteristics. Microwave test Bench at X band and Antenna turntable to measure Radiation, pattern of Horn antenna, 2 Horn Antennas, Microwave test Bench at X band to determine VSWR for Isolator and Circulator, VSWR meter, Tee Microwave test Bench at X band, Variable attenuator, Detector and 20 MHz Digital/Analog Oscilloscope, Isolator, Circulator, E Plane, H plane
VL7111 - VLSI Design Laboratory I	Programmable FPGA's XILINX / ALTERA / development Boards, Mentor Graphics
VL7211 - VLSI Design Laboratory II	Mentor Graphics Tool, Xilinx Vertex 4 Boards (Evaluation Module), Altera cyclone II Boards, Logic Analyser (or) Mixed Oscilloscope

31. Number of students receiving financial assistance from college, university, government or other agencies

Total No. of Students : 103

32. Details on student enrichment programmes (special lectures / workshops/seminar) with external experts

S. No.	Academic Year	Name of the Programme	Duration	Resource Person
1.	2012-2013	Training Program on PIC Microcontroller Application With Flow Code	8 days	Mr. Mohammed Ismail
2.	2012-2013	Training Program on Circuit & PCB Layout Design	8 days	Mr. Anandhan
3.	2013-2014	Training Program on Digital Design With Verilog	10 days	Mr. Dhanapal
4.	2013-2014	Training Program on Embedded Basic Programming Quality Process	12 days	Mr. Mohammed Ismail
5.	2013-2014	Seminar on Green Electronics	3 Hours	Mr. Nandha Kumar
6.	2013-2014	Workshop on DSP Processor TMS320CS50	1 day	Mr. G. Rajesh Babu
7.	2014-2015	Training Program on Networking	14 days	Mr. Dhanapal
8.	2014-2015	Training Program on Embedded Systems	14 days	Mr. Mohammed Ismail
	2014-2015	Workshop on Spartan FPGA	1 day	Dr. R. Vijayabhasker
9.	2014-2015	Hands of workshop on PIC16F877	1 day	Dr. S. Anbukaruppusamy
10.	2015-2016	Seminar on Latest Thrust Areas of Tamilnadu	2 hours	Dr. Venkatasakumar
11.	2015-2016	Workshop on Microprocessors and Interfaces	1 day	Dr. R. Vijayabhasker
12.	2015-2016	To conduct workshop on "Emerging trends in Embedded system "	1 day	Mr. S. Amarnath
13.	2015-2016	Training for personality development	1 day	Mr. Vimal kumar.C
14.	2015-2016	Training for communication development	1 day	Mr. kishore T
15.	2016-2017	Seminar	1 day	Mr. S. Ramkumar

33. Teaching methods adopted to improve student learning

- Board Teaching
- Over Head Projector (OHP)
- Power Point Presentation
- Activity Based
- Group Discussions
- Referring Internet for Demonstration
- Tutorial Session for Problematic Subjects

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- National Service Scheme (NSS)
- Youth Red Cross (YRC)
- Red Ribbon Club (RRC)

35. SWOC analysis of the department and Future plans

Strengths:

- Adequate Budget and Utilization
- Well Experienced and Qualified Faculty and Staff as per Norms
- Well maintained Theory Course Files and Laboratory Manuals
- Well equipped Class Room with Audio Visual Aids

Weakness:

- Skill up gradation of technicians needs to be enhanced
- Performance in Competitive Exam needs to be improved
- Entrepreneurship Development activities need up gradation with experienced and qualified Faculty
- R & D activities to be improved with more sponsored projects with funding

Opportunity:

- Student's Placements in Core areas
- MoU's with Leading Industries
- To promote Research activities for all Faculties and Students by using VLSI Laboratory

Challenges:

- Preparing the students with different rural backgrounds
- Predicting the future trends in core industry placements
- Improvement of communication skills of students
- Achieving 100% students' placement through campus recruitment
- To prepare employable students on the face of ever changing technology and thrust areas

Future Plans of the Department:

- To make all Class Room in the department as E-Class Rooms
- To file for patents
- To apply for more Research Project from various Funding Agencies
- To provide more Industry-Institution Relationship for the need of the Industry as Student / Faculty projects.
- To have more number of MoU's with Industries and Foreign Universities
- To create more number of Research Laboratories

(5) MECHANICAL ENGINEERING

1. Name of the Department : Mechanical 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	Year of Establishment	Sanctioned Strength
B.E., Mechanical Engineering	2009	60
B.E., Mechanical Engineering	2010	120
M.E., CAD/CAM	2013	24

4. Names of Interdisciplinary courses and the departments / units involved

Course Code & Name	Semester	Name of the Department
B.E., Mechanical Engineering		
MA6351 & Transforms and Partial Differential Equations	III	S&H
EE6351 & Electrical Drives and Controls	III	EEE
EE6365 & Electrical Engineering Laboratory	III	EEE
MA6452 & Statistics and Numerical Methods	IV	S&H
GE6351 & Environmental Science and Engineering	IV	S&H
GE2321 & Communication Skills Lab	VI	S&H
M.E., CAD/CAM		
MA7169 & Advanced Numerical Method	I	S&H

5. Annual / semester / choice based credit system (programme wise)

B.E., Mechanical Engineering : Semester Based Credit System

M.E., CAD/CAM : Semester Based Credit System

6. Participation of the department in the courses offered by other departments

Course Code & Name	Semester	Name of the Department
GE6152 & Engineering Graphics	I	All branches
GE6162 & Engineering Practices Laboratory	I	All branches
GE6253 & Engineering Mechanics	II	Civil
GE6261 & Computer Aided Drafting and Modeling Laboratory	II	Civil
GE6251 & Basic Civil and Mechanical Engineering	II	EEE

7. Courses in collaboration with other universities, industries, foreign institutions, etc.,

S. No.	Other University / Industry / Institute Collaboration	Name of the Course	Year of Signing MoU
1.	Prabha Engineering Corporation, Coimbatore	Student Training	2012-2013
2.	C Cube Institution	Creo modelling software	2012-2013
3.	El Mc Sam Lab Equipments MFRS	Student Training	2013-2014

8. Details of courses/programmes discontinued (if any) with reasons : **NIL**

9. Number of Teaching posts

UG

	Sanctioned	Filled
Professors	2	4
Associate Professors	4	6
Asst. Professors	18	14

PG

	Sanctioned	Filled
Professors	1	1
Associate Professors	1	0
Asst. Professors	2	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. Etc.,)

UG

Name	Qualification	Designation	Specialization	No. Of years of Experience	No. Of Ph.D. students guided for the last 4 years
G. Thangavel	M.E	Professor & HOD	Manufacturing Engineering	34	-
R. Balusamy	M.E	Professor	Engineering Design	26	-
V.R. Vellingiri	M.E	Professor	Manufacturing Engineering	20	-
P. Jayakumar	M.E	Professor	CAD	20	-

K. Yuvaraj	M.E	Associate Professor	Engineering Design	14	-
M. Santhosé	M.E	Associate Professor	Engineering Design	9	-
N. Naveenkumar	M.E	Associate Professor	CAD	9	
M. Ashok kumar	M.E	Associate Professor	Engineering Design	8	-
M. Sankar	M.E	Associate Professor	CAD	8	-
M. Veerakumar	M.E	Associate Professor	Engineering Design	8	-
P.L. Srenatthan	M.E	Assistant Professor	Engineering Design	7	-
N. Rajkumar	M.E	Assistant Professor	CAD	6	-
M.S. Mohammed Musthaq	M.E	Assistant Professor	Engineering Design	4	-
M. Mohideen Batcha	M.E	Assistant Professor	CAD	4	-
H. Mohammed Aslam	M.E	Assistant Professor	CAD/CAM	3	-
J.S. Javith Saleem	M.E	Assistant Professor	CAD/CAM	3	-
R. Gobinath	M.E	Assistant Professor	Engineering Design	3	-
M. Kaleeswaran	M.E	Assistant Professor	Manufacturing Engineering	5	-
M. Imran Khan	M.E.	Assistant Professor	Manufacturing Engineering	1	-
K. Daniel Divya Prabakar	M.E	Assistant Professor	Heat Power Engineering	3	-

K.K. Kavın	M.E	Assistant Professor	IC Engine	1	-
A. Karthik	M.E	Assistant Professor	Industrial Engineering	1	-
P. Vignesh	M.E	Assistant Professor	Engineering Design	1	-
M.Surendaran	M.E	Assistant Professor	Production Engineering	4	-

PG

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.P.Sureshmohankumar	Ph.D	Professor	Industrial Engineering	24	-
P. Karthick	M.E	Assistant Professor	CAD / CAM	3	-

11. List of senior visiting faculty : **NIL**

12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty : **NIL**

13. Student -Teacher Ratio (programme wise)

Programme	Sanctioned Intake	No. of Faculty	Ratio
UG: B.E., MECH	120	24	15:1
PG: M.E., CAD/CAM	24	2	6:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Administrative Staff	1	1
Technical Staff	6	6
Supporting Staff	0	0

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ M.Phil./PG

No. of Faculty with Ph.D.	No. of Faculty with M.Phil	No. of Faculty with PG
1	-	25

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

S. No.	Name of the Faculty	Details	Academic Year	Sanctioning Authority	Sanctioned Amount
1	M.Veerakumar, AP/MECH	Fabrication of Vegetable Dryer	2012-2013	Al-Ameen Educational & Charitable Trust	Rs. 20,000

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc., and total grants received

S. No.	Department	Name of the Faculty	Details	Academic Year	Sanctioning Authority	Sanctioned Amount
NIL						

18. Research Centre /facility recognized by the University : **NIL**

19. Publications:

(a) Publication per faculty

S. No.	Name of the Faculty	International Journals	National Journals	International Conference	National Conference
1.	G. Thangavel	2	2	2	2
2.	M. Santhose	2		2	2
3.	Dr. S. Ranganathan	2			
4.	R. Balusamy	1			
5.	P.L. Srenatthan	2		1	
6.	M.S. Mohammed Musthaq	2			
7.	N. Rajkumar	2		1	
8.	M. Ashok kumar	1		1	
9.	M. Mohideen Batcha	2		1	
10.	N. Naveenkumar	2			
11.	P. Karthick	1			
12.	M. Sankar	2		1	
13.	V.R. Vellingiri	2			
14.	H. Mohammed Aslam	2			
15.	J.S. Javith Saleem	2			1
16.	R. Gobinath	2			1
17.	M. Veerakumar	3		1	1
18.	P. Jayakumar	1			
19.	K. Yuvaraj	2			
20.	K. Daniel Divya Prabakar	2			
21.	K.K. Kavin	2			
22.	A. Karthik	2	2	2	1
23.	S. Partheeban				
24.	P. Vignesh				
25.	D. Ranjith Kumar			1	
26.	M. Vinoth Kumar			1	
27.	G. Rajakavi			1	
28.	M. Imran Khan			1	

- ❖ Number of papers published in peer reviewed journals (national / international) by faculty and students : 45
- ❖ 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

S. No.	Name of the Book	Author(s)	Publisher	ISBN No.
1	Manufacturing Technology- I	G.Thangavel, M. Veerakumar,	Shanlax Publications, 61, TPK, Main Road, Vasantha Nagar, Madurai – 625 003	978-93- 80657-15-8
2	Design Of Machine Elements	Dr. S.Ranganathan R. Gobinath	Shanlax Publications, 61, TPK, Main Road, Vasantha Nagar, Madurai – 625 003	978-93- 80686-54-7
3	Computer Aided Design	M.Santhose	Shanlax Publications, 61, TPK, Main Road, Vasantha Nagar, Madurai – 625 003	978-93- 80657-46-2
4	Gas Dynamics And Jet Propulsion	M.MohidheenBatcha	Shanlax Publications, 61, TPK, Main Road, Vasantha Nagar, Madurai – 625 003	978-93- 85399-29-9

- ❖ Citation Index : NIL
- ❖ SNIP : NIL
- ❖ SJR : NIL
- ❖ Impact factor : NIL
- ❖ h-index : NIL

20. Areas of consultancy and income generated:

S. No.	Academic Year	Nature of Work	Name of the Concern	Amount
1.	2012-2013	Erection & commissioning of water atomised copper powder plant	M/s. Patel brass works Rajkot, Gujarat	Rs. 1.1Lakh
2.	2013-2014	Erection & commissioning of water atomised copper powder plant	M/s. Patel brass works Rajkot, Gujarat	Rs. 1.25Lakh
3.	2012-2013	Modelling of vegetable dryer	Arrow creative academic, Erode	Rs.5,000
4.	2013-2014	Design and analysis of disc braking system	Arrow creative academic, Erode	Rs.10,000
5.	2014-2015	Design Modification And Fabrication Of Steam Turbine	Prabha Engineering Corporation, Coimbatore	Rs. 1.1Lakh
6	2015-2016	Design and analysis on emission control using catalytic coated combustion chamber of single cylinder four stroke SI engine	M/s. C Cube Technologies, Erode	Rs.25,000
7	2015-2016	Modelling and analysis of metallic sintered spur gear	M/s. C Cube Technologies, Erode	Rs.20,000

21. Faculty as members in

a) National committees : NIL

b) International Committees : NIL

c) Editorial Boards : NIL

22. Student projects

(a) Percentage of students who have done in-house projects including inter-departmental

(b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories / Industry / other agencies

S. No.	Academic Year	% of In-house Projects	% of Industrial Projects
1	2015-2016	91%	9%
2	2014 – 2015	100%	0%
3	2013 – 2014	84%	16%
4	2012 – 2013	75%	25%

23. Awards/ Recognitions received by faculty and students

Faculty

S. No.	Name of the Faculty	Details of Awards/Recognitions Received	Academic Year
1.	Prof. G. Thangavel HOD / MECH	Cash prize For Best Result Anna University Examinations	2012-2013
2.	Mr. R. Balusamy Prof/Mech	Cash prize For Best Result Anna University Examinations	2012-2013
3.	Mr. M. Amarnath AP / MECH	Cash prize For Best Result Anna University Examinations	2012-2013
4.	Mr. N. Raj Kumar AP / MECH	Cash prize For Best Result Anna University Examinations	2012-2013
5.	Mr. M.S. Md. Musthaq AP / MECH	Cash prize For Best Result Anna University Examinations	2012-2013
6.	Prof. G. Thangavel HOD / MECH	Cash prize For Best Result Anna University Examinations	2012-2013
7.	Mr. M. Santhoshe ASP / MECH	Cash prize For Best Result Anna University Examinations	2012-2013
8.	Mr .H. Mohammed Aslam AP/MECH	Cash prize For Best Result Anna University Examinations	2012-2013
9.	Mr. P.L. Srenatthan AP/MECH Mr. M.S. Md. Musthaq AP/MECH	Cash prize For Best Result Anna University Examinations	2012-2013

10.	Mr. M. Mohideen Batcha, AP/MECH	Cash prize For Best Result Anna University Examinations	2012-2013
11.	Mr. A. Abubakkar AP/MECH	Cash prize For Best Result Anna University Examinations	2012-2013
12.	Mr. P.L. Srenatthan AP/MECH	Cash prize For Best Result Anna University Examinations	2012-2013
13.	Mr. M. Shankar ASP / MECH	Cash prize For Best Result Anna University Examinations	2012-2013
14.	Mr. P. Karthik AP / MECH	Cash prize For Best Result Anna University Examinations	2012-2013
15.	Prof.G.Thangavel, HOD/MECH	Cash prize For Best Result Anna University Examinations	2012-2013
16.	Mr.M.S. Mohammed Musthaq AP/MECH	Cash prize For Best Result Anna University Examinations	2012-2013
17.	Mr.S. Santhosé ASP/MECH	Cash prize For Best Result Anna University Examinations	2012-2013
18.	Mr. K. Gobi, AP/MECH	Cash prize For Best Result Anna University Examinations	2013-2014
19.	Mr. M. Shankar, ASP/MECH	Cash prize For Best Result Anna University Examinations	2013-2014
20.	Mr. K. Yuvaraj, ASP/MECH	Cash prize For Best Result Anna University Examinations	2013-2014
21.	Mr. V.R. Vellingiri, Prof/MECH	Cash prize For Best Result Anna University Examinations	2013-2014
22.	Mr. P. Karthick, AP/MECH	Cash prize For Best Result Anna University Examinations	2013-2014
23.	Mr. M. Mohideen Batcha AP/MECH & Mr. S. Syed ZagiriyaAP/ECE	Cash prize For Best Result Anna University Examinations	2013-2014

24.	Mr. M.S. Mohammed Musthaq, AP/MECH	Cash prize For Best Result Anna University Examinations	2013-2014
25.	Mr. N. Naveen Kumar, ASP/MECH	Cash prize For Best Result Anna University Examinations	2013-2014
26.	Mr. V.R. Vellingiri, Prof/MECH	Cash prize For Best Result Anna University Examinations	2013-2014
27.	Mr. P. Karthick, AP/MECH	Cash prize For Best Result Anna University Examinations	2013-2014
28.	Mr. M. Mohideen Batcha AP/MECH & Mr. S. Syed Zagiriya AP/ECE	Cash prize For Best Result Anna University Examinations	2013-2014
29.	Mr. N. RajKumar AP / MECH	Cash prize For Best Result Anna University Examinations	2013-2014
30.	Mr.M.MohideenBatcha AP / MECH	Cash prize For Best Result Anna University Examinations	2013-2014
31.	Mr. K. Daniel Divya Prabhakar AP / MECH	Cash prize For Best Result Anna University Examinations	2013-2014
32.	Mr. N. RajKumar AP / MECH	Cash prize For Best Result Anna University Examinations	2013-2014
33.	Mr. P.L. Srenatthan AP/MECH	Cash prize For Best Result Anna University Examinations	2013-2014
34.	Mr. M. Ashok Kumar AP / MECH	Cash prize For Best Result Anna University Examinations	2013-2014
35.	Mr.K.Daniel Divya Prabhakar, AP/MECH	Cash prize For Best Result Anna University Examinations	2014-2015
36.	Mr.R.Gobinath,AP/MECH	Cash prize For Best Result Anna University Examinations	2014-2015
37.	Mr.N.Naveen Kumar, ASP / MECH	Cash prize For Best Result Anna University Examinations	2014-2015

38.	Mr.P.L.Srenatthan, AP/MECH	Cash prize For Best Result Anna University Examinations	2014-2015
39.	Dr. S. Ranganathan HOD /CAD/CAM	Cash prize For Best Result Anna University Examinations	2014-2015
40.	Mr.R. Balusamy Prof / MECH	Cash prize For Best Result Anna University Examinations	2014-2015
41.	Mr.K.Daniel Divya Prabakar, AP/MECH	Cash prize For Best Result Anna University Examinations	2014-2015
42.	Mr.P.Karthik,AP/MECH	Cash prize For Best Result Anna University Examinations	2014-2015
43.	Mr.M.Sankar, ASP/MECH	Cash prize For Best Result Anna University Examinations	2014-2015
44.	Mr.R.Gobinath,AP/MECH	Cash prize For Best Result Anna University Examinations	2014-2015
45.	Mr.K.Daniel Divya Prabhakar, AP/MECH	Cash prize For Best Result Anna University Examinations	2014-2015
46.	Mr.P.L. Srenatthan, AP/MECH	Cash prize For Best Result Anna University Examinations	2014-2015
47.	Mr. N. RajKumar AP / MECH	Cash prize For Best Result Anna University Examinations	2014-2015
48.	Prof.G.Thangavel, HOD/MECH	Cash prize For Best Result Anna University Examinations	2014-2015
49.	Mr. M. Mohideen Batcha, AP / MECH	Cash prize For Best Result Anna University Examinations	2014-2015
50.	Mr. M.S. Mohammed Musthaq, AP/MECH	Cash prize For Best Result Anna University Examinations	2014-2015
51.	Mr. M. Ashok Kumar ASP / MECH	Cash prize For Best Result Anna University Examinations	2014-2015

52.	Mr. S. Santhose, ASP/MECH	Cash prize For Best Result Anna University Examinations	2014-2015
53.	Mr.K.Daniel Divya Prabhakar AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
54.	Mr.K.K.kavin AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
55.	Mr. P.L.Sree Nathan AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
56.	Mr. J.S.Javith Saleem AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
57.	Mr. R.Gobinath AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
58.	Mr. H.Mohamed Aslam AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
59.	Mr. P.Karthick AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
60.	Mr. M.Shankar ASP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
61.	Mr. V.R. Vellingiri Professor / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
62.	Mr. M.S.Mohammed Musthaq AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
63.	Mr. P.Jayakumar Professor / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
64.	Mr. A.Karthik AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
65.	Mr. A.Karthik AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016

66.	Mr. S.Partheeban AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
67.	Mr.PL.Sreenathan AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
68.	Mr.K.Daniel Divya Prabakar AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
69.	Mr. P.Karthik, AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
70.	Mr.K.Daniel Divya Prabakar AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
71.	Mr. M.Santhose, ASP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
72.	Mr. J.S.Javith Saleem, AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
73.	Mr. P.L.Sree Nathan, AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
74.	Mr. N.Rajkumar, AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
75.	Mr. R.Gobinath, AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
76.	Prof.G.Thangavel, HOD/MECH	Cash prize For Best Result Anna University Examinations	2015-2016
77.	Mr. M.Shankar, AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016
78.	Mr. P.Karthik, AP / MECH	Cash prize For Best Result Anna University Examinations	2015-2016

Students

S. No.	Name of the Student	Details of Awards/Recognitions Received	Academic Year
1.	Fayyas. A	Cash prize for best academic performance	2015-2016
2.	Mohammed Nishaf. C.K.	Cash prize for best academic performance	2015-2016
3.	Anjum Ahamad	Cash prize for best academic performance	2015-2016
4.	Vishnuprasath.B.S	Cash prize for best academic performance	2015-2016
5.	Sachin.P.V	Cash prize for best academic performance	2015-2016
6.	Salehrehan	Cash prize for best academic performance	2015-2016
7.	Krishnamoorthi M	Cash prize for best academic performance	2015-2016
8.	Dinesh S.A	Cash prize for best academic performance	2015-2016
9.	Mohammed Sarith A	Cash prize for best academic performance	2015-2016
10.	Roshan Rasheed P	Cash prize for best academic performance	2015-2016
11.	Sheik Alaudeen Rasheed Ahmad	Cash prize for best academic performance	2015-2016
12.	Thanheem M	Cash prize for best academic performance	2015-2016
13.	Thasin Rifath S	Cash prize for best academic performance	2015-2016
14.	Arsath Rafick F	Cash prize for best academic performance	2015-2016
15.	Muhammed Khaja Kharib Nawaz .S	Cash prize for best academic performance	2015-2016

16.	Abdul Jabbar .A.M	Cash prize for best academic performance	2015-2016
17.	Bahathur Rahuman.S	Cash prize for best academic performance	2015-2016
18.	Thameem Anshari .S	Cash prize for best academic performance	2015-2016
19.	Sahith Romasan.K.H	Cash prize for best academic performance	2015-2016
20.	Sarath.M.V	Cash prize for best academic performance	2015-2016
21.	Dinesh S.A	Cash prize for best academic performance	2015-2016
22.	Sudharsana.A	Cash prize for best academic performance	2015-2016
23.	Fayyas. A	Cash prize for best academic performance	2015-2016
24.	Mohammed Nishaf. C.K.	Cash prize for best academic performance	2015-2016
25.	Anjum Ahamad	Cash prize for best academic performance	2015-2016
26.	Salehrehan	Cash prize for best academic performance	2015-2016
27.	Sachin.P.V	Cash prize for best academic performance	2015-2016
28.	Vishnuprasath.B.S	Cash prize for best academic performance	2015-2016
29.	Mohammed Sarith A	Cash prize for best academic performance	2015-2016
30.	Abdul Sukkur N	Cash prize for best academic performance	2015-2016
31.	Muhammed Suhail RP	Cash prize for best academic performance	2015-2016

32.	Roshan Rasheed P	Cash prize for best academic performance	2015-2016
33.	Akhil Jayaraj	Cash prize for best academic performance	2015-2016
34.	Sheik Alaudeen Rasheed Ahmad	Cash prize for best academic performance	2015-2016
35.	Abdul Jabbar .A.M	Cash prize for best academic performance	2015-2016
36.	Abdul Manaf.P.T	Cash prize for best academic performance	2015-2016
37.	Bahathur Rahuman.S	Cash prize for best academic performance	2015-2016
38.	John .J	Cash prize for best academic performance	2015-2016
39.	Sahith Romasan.K.H	Cash prize for best academic performance	2015-2016
40.	Yacob B J	Cash prize for best academic performance	2015-2016
41.	Abdul Kadhar Jailani S	Cash prize for best academic performance	2015-2016
42.	Thameem Anshari .S	Cash prize for best academic performance	2015-2016
43.	Sarath M V	Cash prize for best academic performance	2015-2016
44.	Shakeel Ahamed B	Cash prize for best academic performance	2015-2016
45.	Vignesh S	Cash prize for best academic performance	2015-2016
46.	Viswanath S	Cash prize for best academic performance	2015-2016
47.	Abdul Jabbar .A.M	Cash prize for best academic performance	2015-2016

48.	Thameem Anshari .S	Cash prize for best academic performance	2015-2016
49.	Vignesh S	Cash prize for best academic performance	2015-2016
50.	M.K. Hamed Perziq	Cash prize for best academic performance	2014-2015
51.	B.S. Vishnu Prasad	Cash prize for best academic performance	2014-2015
52.	A. Fayyas	Cash prize for best academic performance	2014-2015
53.	C.K. Mohammed Nishaf	Cash prize for best academic performance	2014-2015
54.	R.P. Muhammed Suhail	Cash prize for best academic performance	2014-2015
55.	S. Thasin Rifath	Cash prize for best academic performance	2014-2015
56.	J. Jaffar Sathick	Cash prize for best academic performance	2014-2015
57.	M. Krishnamoorthy	Cash prize for best academic performance	2014-2015
58.	F. Arsath Rafick	Cash prize for best academic performance	2014-2015
59.	J. Mohammed Ashick.	Cash prize for best academic performance	2014-2015
60.	S. Thameem Ansari	Cash prize for best academic performance	2014-2015
61.	S. Bahathur Rahumam	Cash prize for best academic performance	2014-2015
62.	S. Thameem Ansari	Cash prize for best academic performance	2014-2015
63.	M. Mohamed Niyas	Cash prize for best academic performance	2014-2015

64.	M. Mohammed Ismayilkhan	Cash prize for best academic performance	2014-2015
65.	S.Kishore Bharath	Cash prize for best academic performance	2014-2015
66.	K. Karthick	Cash prize for best academic performance	2014-2015
67.	R. Irffan	Paper presentation first prize	2014-2015
68.	S. Manojkumar	Paper presentation first prize	2014-2015
69.	S. Ajmal	Treasure hunt second prize	2014-2015
70.	N. Mukesh Raj	Ad zap first prize	2014-2015
71.	N. Mukesh Raj	Surprising fun second prize	2014-2015
72.	S. Thameem Ansari	Quiz first prize	2014-2015
73.	S. Viswanath	Quiz first prize	2014-2015
74.	R. Satheesh kumar	Paper presentation third prize	2014-2015
75.	S. Sharmaraj	Paper presentation third prize	2014-2015
76.	J. Jaffar Sathick	Cash prize for best academic performance	2013-2014
77.	J. Jaffar Sathick	Cash prize for best academic performance	2013-2014
78.	M. Abdul Jabbar	Cash prize for best academic performance	2013-2014
79.	M. Abdul Jabbar	Cash prize for best academic performance	2013-2014
80.	M. Mohamed Niyas	Cash prize for best academic performance	2013-2014
81.	M. Mohamed Niyas	Cash prize for best academic performance	2013-2014
82.	T.V. Mufeed	Cash prize for best academic performance	2013-2014

83.	T.V. Munner	Cash prize for best academic performance	2013-2014
84.	T. Gobalakrishnan	Cash prize for best academic performance	2013-2014
85.	R.P. Muhammed Suhail	Cash prize for best academic performance	2013-2014
86.	S. Thasin Rifath	Cash prize for best academic performance	2013-2014
87.	S. Thameem Ansari	Cash prize for best academic performance	2013-2014
88.	B.J. Yacob	Cash prize for best academic performance	2013-2014
89.	K.T. Safeel	Cash prize for best academic performance	2013-2014
90.	M. Ashik Rahman	Cash prize for best academic performance	2013-2014
91.	S. Vetrivel	Cash prize for best academic performance	2013-2014
92.	S.Vetrivel	Cash prize for best academic performance	2013-2014
93.	R. Jagathish	Cash prize for best academic performance	2013-2014
94.	Mansoor Akthar	Paper presentation first prize	2013-2014
95.	A. Vinoth	Paper presentation first prize	2013-2014
96.	S.A. Nijamutheen	Paper presentation first prize	2013-2014
97.	R. Mariselvam	Paper presentation first prize	2013-2014
98.	M. Mohammed Ismayilkhan	Paper presentation second prize	2013-2014
99.	R. Moulishankar	Paper presentation second prize	2013-2014
100.	D. Hariharasudhan	Paper presentation second prize	2013-2014

101.	M.F. Siddiq Ali	Puzzle first prize	2013-2014
102.	M.F. Siddiq Ali	Cad modeling first prize	2013-2014
103.	S. Dhanasundaram	Sports thrid prize	2013-2014
104.	A.M. Abdul Jabbar	Cash prize for best academic performance	2012-2013
105.	M.V.Sarath	Cash prize for best academic performance	2012-2013
106.	A. Jithesh	Cash prize for best academic performance	2012-2013
107.	M. Jahir Hussain	Cash prize for best academic performance	2012-2013
108.	Hadi Abdul Kader	Cash prize for best academic performance	2012-2013
109.	Kishore Bharath	Cash prize for best academic performance	2012-2013
110.	T.Gobalakrishnan	Cash prize for best academic performance	2012-2013
111.	B.Jothi Kumar	Cash prize for best academic performance	2012-2013
112.	A. Mohanraj	Cash prize for best academic performance	2012-2013
113.	K.M. Muhasin	Cash prize for best academic performance	2012-2013
114.	J.Shejeer	Cash prize for best academic performance	2012-2013
115.	S.Siva Chidhambaram	Cash prize for best academic performance	2012-2013
116.	A. Mohanraj	Paper presentation - second prize	2012-2013
117.	M. Kavin	Paper presentation - second prize	2012-2013
118.	R. Balasubramaniam	Paper presentation - third prize	2012-2013

24. List of eminent academicians and scientists /visitors to the department

S. No.	Name & Designation of the eminent Academicians and Scientists / Visitors	Working Institution / Organisation	Date of Visit
1.	Mr. Natarajan Associate Professor	VMKV Engineering College, Salem	28.9.2012
2.	Mr. Selvanayagam	TNSTC, Erode	27.7.2012
3.	Mr. Gomathisankar, HR	VST Tiller & Tractor Ltd, Hosur	08.02.2014
4.	Mr. Sundararaj, General Manager	Kasthuri Machine Builders, Coimbatore	03.02.2015
5.	Mr.S.Anand,	Smart Training Resource Pvt Limited, Chennai.	12.04.2015 TO 17.04.2015
6.	Mr. Jaffer Sathick	C-Cube technologies, Erode.	01.06.2015 TO 13.06.2015
7.	Mr. Jaffer Sathick	C-Cube technologies, Erode.	08.06.2015 TO 20.06.2015
8.	Dr. D.Shanmugasundaram RTD. MEDICAL OFFICER,	Government Hospital, Erode	29.07.2015
9.	Mr. K.Mohammed Yusuf, Quality Inspector ,	Sidco Industry Estate, Erode	28.08.2015
10.	Mr.P.M.Ragu Manager, Quality Control,	Agni Steels Private Limited, Perundurai	10.09.2015
11.	Mr.Kksk Rafiq Managing Director,	KKSK Hides Pvt Ltd, Erode	30.09.2015
12.	Mr. Jaffer Sathick	C-Cube Technologies, Erode.	02.12.2015 TO 15.12.2015

13.	Mr. C. Thirumoorti, Deputy General Manager, Sail,	Salem Steel Plant, Salem	03.02.2016
14.	Mr.K.Aravind Managing Director,	SS Ceramix	07.03.2016

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

S. No.	Academic Year	Title	Date(s) of the Event	Source of Funding
1	2016-2017	Faculty Development Programme On “Quality Control Techniques	19.11.2016 TO 30.11.2016	Al-Ameen Educational & Chariatable Trust
2	2014-2015	Recent Trends In Automobile Technology	25-05-2015	Al-Ameen Educational & Chariatable Trust
3		Advances In Material Technology	01-12-2014	Al-Ameen Educational & Chariatable Trust
4	2013-2014	Mechatronics And Its Application In Indusrty	26-05-2014	Al-Ameen Educational & Chariatable Trust
5		National conference	29.03.2014	Al-Ameen Educational & Chariatable Trust
6		Robotics And Its Usage Industry	02-12-2013	Al-Ameen Educational & Chariatable Trust
7	2012-2013	Energy Conversation &Energy Auditing	27-12-2013	Al-Ameen Educational & Chariatable Trust
8		National conference	8-03-2013 & 9-03-2013	Al-Ameen Educational & Chariatable Trust
9		Quality Control Techniques	03-12-2012	Al-Ameen Educational & Chariatable Trust

b) International

S. No.	Academic Year	Title	Date(s) of the Event	Source of Funding
1.	2014-2015	An International Conference on Advances in Computing, Control, Communication, Automation & Structural Engineering	11-04-2015	Al-Ameen Educational & Chariatable Trust.
2.	2015-2016	An International Conference on Advances in Computing, Control, Communication, Automation & Structural Engineering	7-05-2016	Al-Ameen Educational & Chariatable Trust.

26. Student profile programme/course wise

UG

Name of the Programme	Applications Received	Selected	Enrolled		Pass Percentage (As on May/June 2016)
			Male	Female	
B.E., MECH (2009 – 2013)	66	64	64	--	94%
B.E., MECH (2010 – 2014)	124	122	122	--	89%
B.E., MECH (2011 – 2015)	128	127	127	--	79%
B.E., MECH (2012-2016)	126	122	122	--	84%

PG

Name of the Programme	Applications Received	Selected	Enrolled		Pass Percentage (As on May/June 2016)
			Male	Female	
M.E., CAD/CAM (2013 – 2015)	16	14	14	--	100%
M.E., CAD/CAM (2014 – 2016)	10	8	8	--	50%
M.E., CAD/CAM (Part-Time) 2013-2016	2	2	2	--	100%

27. Diversity of Students

Name of the Programme	Academic Year	% of students from the same state	% of students from other states	% of students from abroad
B.E., MECH	2009 – 2010	84%	16%	NIL
	2010 – 2011	74%	26%	NIL
	2011 – 2012	74%	26%	NIL
	2012 – 2013	75%	25%	NIL
	2013 – 2014	89%	11%	NIL
	2014 – 2015	79%	21%	NIL
	2015 – 2016	74%	26%	NIL
	2016 -- 2017	79%	21%	NIL
M.E., CAD/CAM	2013 – 2014	100%	NIL	NIL
	2014 – 2015	100%	NIL	NIL
	2015 - 2016	50%	50%	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

Nil

29. Student progression (Year wise)

Student Progression	Against % Enrolled (As on January 2017)			
	2012- 2016	2011 – 2015	2010 – 2014	2009 - 2013
UG to PG	2 %	3%	4%	2%
PG to M.Phil.		NA	NA	NA
PG to Ph.D.		NA	NA	NA
Ph.D. to Post-Doctoral		NA	NA	NA
Employed				
Campus Selection	57%	60%	76%	66%
Other than campus recruitment	-	20%	10%	20%
Entrepreneurship / Self-employment	-	20%	10%	13%

30. Details of Infrastructural facilities

a) Library

No. of Books : 764

b) Internet facilities for Staff & Students

Wired : YES

Wi-Fi : YES

c) Class rooms with ICT facility : 02

d) Laboratories

Curriculum Lab Description	Equipment Available
Engineering Practices Laboratory	Assorted components for plumbing consisting of metallic pipes, plastic pipes, flexible pipes, couplings, unions, elbows, plugs and other fittings., Carpentry vice (fitted to work bench), Standard woodworking tools, Models of industrial trusses, door joints,

	<p>furniture joints, Power Tools:</p> <p>(a) Rotary Hammer (b) Demolition Hammer</p> <p>(c) Circular Saw (d) Planer</p> <p>(e) Hand Drilling Machine, (f) Jigsaw,</p> <p>Arc welding transformer with cables and holders, Welding booth with exhaust facility, Welding accessories like welding shield, chipping hammer, wire brush, etc., Oxygen and acetylene gas cylinders, blow pipe and other welding outfit., Centre lathe, Hearth furnace, anvil and smithy tools, Power Tool: Angle Grinder, Study-purpose items: centrifugal pump, air-conditioner, Assorted electrical components for house wiring, Electrical measuring instruments, Study purpose items: Iron box, fan and regulator, emergency lamp, Megger (250V/500V), Power Tools: (a) Range Finder (b) Digital Live-wire detector, Soldering guns, Assorted electronic components for making circuits, Small PCBs, Multi Meters, Study purpose items: Telephone, FM radio, low-voltage power supply.</p>
Manufacturing Technology Lab – I	Centre Lathes, Horizontal Milling Machine, Vertical Milling Machine, Shaper.
Manufacturing Technology Lab II	Turret and Capstan Lathes (each), Horizontal Milling Machine, Vertical Milling Machine, Surface Grinding Machine, Cylindrical Grinding Machine, Radial Drilling Machine, lathe Tool Dynamometer, Milling Tool Dynamometer, Gear Hobbling Machine, Tool Makers Microscope, CNC Lathe, CNC milling machine, Gear Shaper machine, Center less grinding machine, Tool and cutter grinder.
Thermal Engineering Laboratory – I	I.C Engine – 2 stroke and 4 stroke Model, Apparatus for Flash and Fire Point, 4-stroke Diesel Engine with mechanical Loading, 4-stroke Diesel Engine with mechanical loading, 4-stroke Diesel Engine with hydraulic loading, 4-stroke Diesel Engine with electrical loading, Multi-cylinder Petrol Engine, Multi-cylinder Petrol Engine, Data Acquisition system with any one of the above engines, Steam Boiler with turbine setup.
Dynamics Laboratory	Cam follower setup, Motorised gyroscope, Governor apparatus – Watt, Porter, Proell and Hartnell governors, Whirling of shaft apparatus, Dynamic balancing machine, Two rotor vibration setup, Spring mass vibration system, Torsional Vibration of single rotor system setup, Gear Models, Kinematic Models to study various mechanisms, Turn table apparatus, Transverse vibration setup of a) cantilever b) Free-Free beam c) Simply supported beam
Metrology and Measurement Laboratory	Micrometer, Vernier Caliper, Vernier Caliper, Vernier depth Gauge, Slip Gauge Set, Gear Tooth Vernier, Sine Bar, Floating Carriage Micrometer, Profile Projector / Tool Makers Microscope, Parallel /

	counter flow heat exchanger apparatus, Mechanical / Electrical / Pneumatic Comparator, Temperature Measuring Setup, Force Measuring Setup, Torque Measuring Setup, Autocollimator, Surface finish measuring equipment, Bore gauge, Telescope gauge
CAD/CAM Laboratory	Computer Server, Computer nodes or systems (High end CPU with at least 1 GB main memory), , Laser Printer, CNC Lathe, CNC milling machine, Any High end integrated modelling and manufacturing CAD / CAM software, CAM Software for machining centre and turning centre (CNC Programming and tool path simulation for FANUC/Sinumeric and Heidenhain controller), Licensed operating system, Support for CAPP
Thermal Engineering Laboratory II	Guarded plate apparatus, Lagged pipe apparatus, Natural convection-vertical cylinder apparatus, Forced convection inside tube apparatus, , Pin-fin apparatus, Stefan-Boltzmann apparatus, Emissivity measurement apparatus, Parallel/counter flow heat exchanger apparatus, Single/two stage reciprocating air compressor, Refrigeration test rig, Air-conditioning test rig, Composite wall apparatus, Thermal conductivity of insulating powder apparatus
Computer Aided Simulation and Analysis Laboratory	Computer Work Station, Multibody Dynamic Software Suitable for Mechanism simulation and analysis, C / MATLAB
Mechatronics Lab	Basic Pneumatic Trainer Kit with manual and electrical controls/ PLC Control each, Basic Hydraulic Trainer Kit, Hydraulics and Pneumatics Systems Simulation Software, 8051 - Microcontroller kit with stepper motor and drive circuit sets, Image processing system with hardware & software,

31. Number of students receiving financial assistance from college, university, government or other agencies

Total No. of Students : 256

32. Details on student enrichment programmes (special lectures / workshops/seminar) with external experts

S. No.	Academic Year	Name of the Programme	Duration	Resource Person
1.	06.01.2011	Workshop	1 Day	Mr. Kumar
2.	27.07.2012	Association Inaugural Function	1 Day	Er. S.K. Selvanayagam
3.	28.09.2012	Industrial Robotics	1 Day	Mr. S. Natarajan
4.	27.02.2013	Association Valedictory Function	1 Day	Er. R. Rangasamy

5.	03.09.2013	Association Inaugural Function	1 Day	Mr. R. Myilsamy
6.	08.02.2014	Association Valedictory Function	1 Day	Mr. I.K. Gomathi Sankar
7.	03.02.2015	Association Inaugural Function	1 Day	Mr.K.Sundararaj
8.	12.04.2015 TO 17.04.2015	Placement And Communication Skill Development Programme	6 Day	Mr.S.Anand,
9.	01.06.2015 TO 13.06.2015	Value added course “ Pro E”	13 Day	Mr. Jaffer Sathick
10.	08.06.2015 TO 20.06.2015	Value Added Course “ ANSYS 15”	12 Day	Mr. Jaffer Sathick
11.	29.07.2015	Awareness Program On First Aid On Emergency	1 Day	Dr. D.Shanmugasundaram RTD. MEDICAL OFFICER,
12.	28.08.2015	Guest Lecturer On Expectation For Production Industry	1 Day	Mr. K.Mohammed Yusuf, Quality Inspector ,
13.	10.09.2015	Seminar on “Recent Trend in Quality”	1 Day	Mr.P.M.Ragu Manager, Quality Control,
14.	30.09.2015	Entrepreneurship Awareness Program	1 Day	Mr.Kksk Rafiq Managing Director,
15.	02.12.2015 TO 15.12.2015	Value added course “ auto cad 2015”	12 Day	Mr. Jaffer Sathick
16.	03.02.2016	Workshop On “Lean Manufacturing”	1 Day	Mr. C. Thirumoorti, Deputy General Manager, Sail,
17.	07.03.2016	Entrepreneurship Motivational Program	1 Day	Mr.K.Aravind Managing Director,

33. Teaching methods adopted to improve student learning

- Board Teaching
- Over Head Projector (OHP)
- Power Point Presentation
- Activity Based
- Group Discussions
- Referring Internet for Demonstration
- Tutorial session for problematic subjects

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- National Service Scheme
- Youth Red Cross
- Red Ribbon Club

35. SWOC analysis of the department and Future plans

Strengths:

- Consistent in producing outstanding results.
- Fully equipped laboratory and equipment.
- Highly experienced and qualified faculty members.
- HOD with vast industrial and technical expertise.
- Overall intake of students.
- Team work.
- Good Staff retention.

Weakness:

- Research output is moderate. Step will be taken to create research oriented teaching – learning atmosphere.
- Poor communication skill of students due to students coming from rural area.
- Most of the students admitted are having low cut-off marks & low level.

Opportunity:

- Industrial visits for students
- Student development program
- Courses which improves soft skills of student
- Faculty development program
- Entrepreneurship development program
- Sufficient internet facility
- Department library with varied range of books

Challenges:

- Competition between engineering college
- Leading college with more intakes
- Lack of innovative thinking in students
- Industries and companies providing low salary for fresher's
- Increasing passed out student's population each year
- Inclination of students towards arts and science group

Future Plans of the Department:

- Providing high profile job opportunities
- Making the department paperless
- Making the department – digital
- Developing students innovative thinking
- Closing the gap between industry and institute

(6) SCIENCE AND HUMANITIES

1. Name of the Department : SCIENCE AND HUMANITIES
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	Year of Establishment	Sanctioned Strength
Not Applicable		

4. Names of Interdisciplinary courses and the departments / units involved

Course Code& Name	Semester	Name of the Department
GE6151: Computer Programming	I	Computer Science and Engineering
GE6152: Engineering Graphics	I	Mechanical Engineering
GE6161: Computer Practices Laboratory	I	Computer Science and Engineering
GE6162: Engineering Practices Laboratory	I	Mechanical Engineering
GE6162: Engineering Practices Laboratory	I	Electrical and Electronics Engineering
GE6252: Basic Electrical and Electronics Engineering	II	Electrical and Electronics Engineering
GE6253: Engineering Mechanics	II	Mechanical Engineering
GE6261: Computer Aided Drafting and Modeling Laboratory	II	Mechanical Engineering
EC6201: Electronic Devices	II	Electronics and Communication Engineering
EC6211: Circuits and Devices Laboratory	II	Electronics and Communication Engineering
GE6251: Basic Civil and Mechanical Engineering	II	Civil Engineering

GE6251: Basic Civil and Mechanical Engineering	II	Mechanical Engineering
EE6201: Circuit Theory	II	Electrical and Electronics Engineering
GE6263: Computer Programming Laboratory	II	Computer Science and Engineering
EE6211: Electric Circuits Laboratory	II	Electrical and Electronics Engineering
CS6201: Digital Principles and System Design	II	Electronics and Communication Engineering
CS6202: Programming and Data Structures I	II	Computer Science and Engineering
CS6211: Digital Laboratory	II	Electronics and Communication Engineering
CS6212: Programming and Data Structures Laboratory I	II	Computer Science and Engineering

5. Annual / semester / choice based credit system (programme wise)

Semester Based Credit System

6. Participation of the department in the courses offered by other departments

Course Code & Name	Semester	Name of the Department
UG		
MA6351 Transforms and Partial Differential equations	III	Civil Engineering
MA6351 Transforms and Partial Differential equations	III	Mechanical Engineering
MA6351 Transforms and Partial Differential equations	III	Electrical and Electronics Engineering
MA6351 Transforms and Partial Differential equations	III	Electronics and Communication Engineering
MA6351 Transforms and Partial Differential equations	III	Computer Science and Engineering

GE6351 Environmental Science and Engineering	III	Civil Engineering
GE6351 Environmental Science and Engineering	III	Electrical and Electronics Engineering
GE6351 Environmental Science and Engineering	III	Computer Science and Engineering
MA6459 Numerical Methods	IV	Civil Engineering
MA6459 Numerical Methods	IV	Electrical and Electronics Engineering
MA6452 Statistics and Numerical Methods	IV	Mechanical Engineering
GE6351 Environmental Science and Engineering	IV	Mechanical Engineering
MA6451 Probability and Random Processes	IV	Electronics and Communication Engineering
MA6453 Probability and Queuing Theory	IV	Computer Science and Engineering
MA6566 Discrete Mathematics	V	Computer Science and Engineering
GE6674 Communication and Soft Skills - Laboratory Based	V	Civil Engineering
GE6351 Environmental Science and Engineering	V	Electronics and Communication Engineering
GE6674 Communication and Soft Skills - Laboratory Based	V	Electrical and Electronics Engineering
GE6674 Communication and Soft Skills - Laboratory Based	VI	Mechanical Engineering
GE6674 Communication and Soft Skills - Laboratory Based	VI	Electronics and Communication Engineering
GE6674 Communication and Soft Skills - Laboratory Based	VI	Computer Science and Engineering

PG		
MA7155 Applied Probability and Statistics	I	M.E. CSE
MA7157 Applied Mathematics for Electronics Engineers	I	M.E. VLSI Design
MA7169 Advanced Numerical Methods	I	M.E. CAD/CAM

7. Courses in collaboration with other universities, industries, foreign institutions, etc.,

S.No.	Other University / Industry / Institute Collaboration	Name of the Course(s)	Year of Signing MoU
1	Milton English Academy	Communication Development Program	2015-2016
2	Voice Training Solutions	Students' Development Program	2014-2015
3	APTECH Spoken English	Communication Development Program	2013-2014, 2012-2013
4	Smart Training	Communication skills development training	2011-2012

8. Details of courses/programmes discontinued (if any) with reasons : **NIL**

9. Number of Teaching posts

UG

	Sanctioned	Filled
Professors	2	4
Associate Professors	4	9
Asst. Professors	18	12

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

UG

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. G. Balaji	M.Sc., M.Phil., Ph.D	Professor & Head	Numerical Analysis	15	Nil
Dr. Y. Sayed Mohammed	M.A., M.Litt., PGDS., M.Ed., Ph.D.	Professor	Linguistics	32	10
Dr. A. Agalya	M.Sc., M.Phil., Ph.D	Professor	Adsorption	14	Nil
Dr. K. Sundareswari	M.Sc., M.Phil., Ph.D	Professor	Abstract Control Theory	13	Nil
Mrs. S. Meenachi	M.Sc., M.Phil., (Ph.D)	Associate Professor	Environmental Science	11	Nil
Dr. M. Prabhu	M.Sc., B.Ed., M.Phil., Ph.D.	Associate Professor	Phyto chemistry	9	Nil
Mrs. J. Manimekalai	M.Sc., M.Phil.,	Associate Professor	Optimization Techniques	9	Nil
Mr. C. Ramesh Kumar	M.Sc., B.Ed., M.Phil.,(Ph.D)	Associate Professor	Spectroscopy	9	Nil
Mrs. Y. Devakumari	M.Sc, M.Phil.	Associate Professor	Electronics	9	Nil
Mrs. S. Rajeswari	M.Sc, M.Phil.,	Associate Professor	Applications of Ultrasonics	9	Nil
Mr. S. Balasubramaniyam	M.A., M.Phil	Associate Professor	American Literature	7	Nil

Mr. M. Mohamed Rajik	M.Sc., M.Phil.,	Associate Professor	Topology	8	Nil
Mr. P. Boopathi	M.Sc., M.Phil.,	Associate Professor	Differential Equations	7	Nil
Mrs. P. Roopa Devi	M.Sc., M.Phil.,	Assistant Professor	Functional Analysis	7	Nil
Mr. C. Krishna moorthy	M.Sc., M.Phil.,	Assistant Professor	Inorganic chemistry	7	Nil
Mr. N. Jafarulla	M.Sc, M.Phil.,	Assistant Professor	Environmental Science	6	Nil
Mr. A. Antony Prabhu	M.Sc, M.Phil.	Assistant Professor	Spectroscopy	6	Nil
Mr. A. Ramesh	M.Sc., B.Ed, M.Phil.,	Assistant Professor	Graph Theory	6	Nil
Mr. R. Karthik	M.Sc., M.Ed, M.Phil.,	Assistant Professor	Topology	6	Nil
Mr. K. Mohanapriyan	M.Sc, M.Phil.,	Assistant Professor	Thin film	6	Nil
Ms. R. Suguna	M.A, M.Phil.,	Assistant Professor	Drama	5	Nil
Mr. J. Samson	M.A, M.Phil.,	Assistant Professor	Post Colonial Studies	4	Nil
Mrs. M. Ramya	M.Sc., M.Phil.,	Assistant Professor	Differential Equations	3	Nil
Dr. M. Jothi	M.Sc., Ph.D.	Assistant Professor	Crystal Physics	2	Nil
Mr. H. Muralikrishnan	M.Sc., M.Phil.,	Assistant Professor	Inorganic chemistry	1	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)

Programme	Sanctioned Intake	No. of Faculty	Ratio
UG: All Branches	360	25	15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Administrative Staff	1	1
Technical Staff	2	2
Supporting Staff	1	1

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ M.Phil./PG

No. of Faculty with Ph.D.	No. of Faculty with M.Phil	No. of Faculty with PG
6	19	--

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

S.No.	Name of the Faculty	Details	Academic Year	Sanctioning Authority	Sanctioned Amount
1.	Mrs. J. Raffiea Baseri	Emerging Trends in Green Chemistry	2010-2011	AICTE	7,00,000

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc., and total grants received

S. No.	Department	Name of the Faculty	Details	Academic Year	Sanctioning Authority	Sanctioned Amount
1.	Science and Humanities (Chemistry)	Mrs. J. Raffiea Baseri	Emerging Trends in Green Chemistry	2010-2011	AICTE	7,00,000

18. Research Centre /facility recognized by the University : **NIL**

19. Publications:

(a) Publication per faculty

Name	International Journals	National Journals	International Conference	National Conference
Dr. G. Balaji	7	1	7	2
Dr. Y. Sayed Mohammed	12	-	8	2
Dr. A. Agalya	6	1	2	-
Dr. K. Sundareswari	4	-	1	-
Mrs. S. Meenachi	4	-	2	2
Dr. M. Prabhu	1	-	1	-
Mrs. J. Manimekalai	1	1	1	-
Mr. C. Ramesh Kumar	1	1	1	-
Mrs. Y. Devakumari	1	1	1	-
Mrs. S. Rajeswari	1	-	1	-
Mr. S. Balasubramaniam	-	-	1	-
Mr. M. Mohamed Rajik	1	-	1	-
Mr. P. Boopathi	1	1	1	-
Mrs. P. Roopa Devi	1	-	1	-
Mr. C. Krishna moorthy	1	-	1	-
Mr. N. Jafarulla	1	1	1	-
Mr. A. Antony Prabhu	1	1	1	-
Mr. A. Ramesh	1	1	1	-
Mr. R. Karthik	1	-	1	-
Mr. K. Mohanapriyan	1	1	1	-
Mrs. R. Suguna	1	-	1	-

Mr. J. Samson	1	-	1	-
Mrs. M. Ramya	1	-	2	-
Dr. M. Jothi	5	2	1	-
Mr. H. Muralikrishnan	1	-	1	-

- ❖ Number of papers published in peer reviewed journals (national / international) by faculty and students : 68
- ❖ 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.) :
- ❖ Monographs :
- ❖ Chapter in Books :
- ❖ Books Edited:
- ❖ Books with ISBN/ISSN numbers with details of publishers

S. No.	Name of the Book	Author(s)	Publisher	ISBN No.
1	Engineering Mathematics I	Dr. G. Balaji Mrs. K. Sundareswari	Shanlax Publications	978-93-80686-63-9
2	Transforms and Partial Differential Equations	Dr. G. Balaji Mr. P. Boopathi	Shanlax Publications	978-93-80686-88-2
3	Engineering Chemistry – I	Dr. A. Agalya Dr. M. Prabhu	Shanlax Publications	978-93-80657-58-5
4	Engineering Mathematics II	Dr. G. Balaji Mrs. J. Manimekalai Mrs. P. Roopadevi	Shanlax Publications	978-93-85399-32-9

- ❖ Citation Index : 16
- ❖ SNIP :
- ❖ SJR :
- ❖ Impact factor :
- ❖ h-index : 2

20. Areas of consultancy and income generated:

S. No.	Academic Year	Nature of Work	Name of the Concern	Amount
1	2012-2013	200/200 in Maths, Physics & Chemistry for +2 students	School Students	0.91 Lakhs
2	2013-2014	200/200 in Maths, Physics & Chemistry for +2 students	School Students	1.05 Lakhs
3	2014-2015	200/200 in Maths, Physics & Chemistry for +2 students	School Students	1.4 Lakhs
4	2015-2016	200/200 in Maths, Physics & Chemistry for +2 students	School Students	1.4 Lakhs

21. Faculty as members in

- a) National committees : NIL
 b) International Committees : NIL
 c) Editorial Boards : NIL

22. Student projects

- (a) Percentage of students who have done in-house projects including inter-departmental
 (b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories / Industry / other agencies

S. No.	Academic Year	% of In-house Projects	% of Industrial Projects
Not Applicable			

23. Awards/ Recognitions received by faculty and students

Faculty

S. No.	Name of the Faculty	Details of Awards/Recognitions Received	Academic Year
1.	Mrs. Y. Devakumari	Best result in Anna Univ Exam Sem I	2015-16
2.	Ms. R. Suguna	Best result in Anna Univ Exam Sem I	2015-16
3.	Mrs. P. Roopadevi	Best result in Anna Univ Exam Sem I	2015-16

4	Mr. K. Mohanapriyan	Best result in Anna Univ Exam Sem I	2015-16
5	Mr. A. Antony Prabhu	Best result in Anna Univ Exam Sem I	2015-16
6	Mrs. S. Meenachi	Best result in Anna Univ Exam Sem I	2015-16
7	Dr. M. Prabhu	Best result in Anna Univ Exam Sem I	2015-16
8	Ms. R. Suguna	Best result in Anna Univ Exam Sem II	2015-16
9	Mr. J. Samson	Best result in Anna Univ Exam Sem II	2015-16
10	Dr. C. Balakrishnan	Best result in Anna Univ Exam Sem II	2015-16
11	Mrs. Y. Devakumari	Best result in Anna Univ Exam Sem II	2015-16
a12	Mrs. R. Rajeswari	Best result in Anna Univ Exam Sem II	2015-16
13	Mrs. A. Ramya	Best result in Anna Univ Exam Sem IV	2015-16
14	Mr. N. Jafarulla	Best result in Anna Univ Exam Sem IV	2015-16
15	Mr. J. Samson	Best result in Anna Univ Exam Sem II	2014-15
16	Ms. R. Suguna	Best result in Anna Univ Exam Sem II	2014-15
17	Ms. K. Sundareswari	Best result in Anna Univ Exam Sem II	2014-15
18	Mrs. S. Meenachi	Best result in Anna Univ Exam Sem II	2014-15
19	Ms. R. Suguna	Best result in Anna Univ Exam Sem I	2014-15
20	Mr. A. Antony Prabhu	Best result in Anna Univ Exam Sem I	2014-15
21	Mrs. S. Meenachi	Best result in Anna Univ Exam Sem I	2014-15
22	Mr. S. Abdul Basheer	Best result in Anna Univ Exam Sem I	2014-15
23	Mr. S. Rajkumar	Best result in Anna Univ Exam Sem I	2014-15
24	Mr. M. Dhiyaneswaran	Best result in Anna Univ Exam Sem II	2013-14
25	Mr. M. BagathSundar	Best result in Anna Univ Exam Sem II	2013-14
26	Mr. M. Dhiyaneswaran	Best result in Anna Univ Exam Sem II	2013-14
27	Ms. R. Suguna	Best result in Anna Univ Exam Sem II	2013-14
28	Mrs. A. Shobana	Best result in Anna Univ Exam Sem I	2013-14
29	Mrs. J. Manimekalai	Best result in Anna Univ Exam Sem I	2013-14
30	Mr. G. Balaji	Best result in Anna Univ Exam Sem I	2013-14

31	Mr. C. Ramesh Kumar	Best result in Anna Univ Exam Sem I	2013-14
32	Mrs. Y. Devakumari	Best result in Anna Univ Exam Sem I	2013-14
33	Mr. K. Mohanapriyan	Best result in Anna Univ Exam Sem I	2013-14
34	Mr. N. Jafarulla	Best result in Anna Univ Exam Sem I	2013-14
35	Mrs. S. Meenachi	Best result in Anna Univ Exam Sem I	2013-14

Students

S. No.	Name of the Student	Details of Awards/Recognitions Received	Academic Year
1.	Mohamed Rayyan. V	Class topper Sem II	2015-16
2.	Mohammed Siddiq. M	Class topper Sem II	2015-16
3.	Mohammed Ashik. M	Class topper Sem II	2015-16
4	Hema S	Class topper Sem II	2015-16
5	Thoulath. A	Class topper Sem II	2015-16
6	Rayan A	Class topper Sem II	2015-16
7	Mohamed Rayyan. V	Class topper Sem I	2015-16
8	Mohammed Siddiq. M	Class topper Sem I	2015-16
9	Abdul Rahim. J	Class topper Sem I	2015-16
10	Ayisha Nasrin K	Class topper Sem I	2015-16
11	Thoulath. A	Class topper Sem I	2015-16
12	Fathima S	Class topper Sem I	2015-16
13	Fayyas A	Class topper Sem II	2014-15
14	Muhammed Nishaf CK	Class topper Sem II	2014-15
15	Abuthahir M	Class topper Sem II	2014-15
16	Aisha Parveen Binti	Class topper Sem II	2014-15
17	Preethi K	Class topper Sem II	2014-15
18	Ameena Banu	Class topper Sem II	2014-15
19	Hamed Perziq M.K	Class topper Sem I	2014-15

20	Vishnu Prasad B.S	Class topper Sem I	2014-15
21	Athul Kumar	Class topper Sem I	2014-15
22	Aisha Parveen Binti	Class topper Sem I	2014-15
23	Preethi K	Class topper Sem I	2014-15
24	Ameena Banu	Class topper Sem I	2014-15
25	Jafar Sathick J	Class topper Sem I	2013-14
26	Muhammed Suhail RP	Class topper Sem I	2013-14
27	Mohamed Shameem A	Class topper Sem I	2013-14
28	Ummul Barakath A	Class topper Sem I	2013-14
29	Nayeem Sabah K	Class topper Sem I	2013-14
30	FathimaNuzarath M	Class topper Sem I	2013-14
31	Abdul Jabbar	Class topper Sem II	2012-13
32	Sarath M V	Class topper Sem II	2012-13
33	Farzana Fathima	Class topper Sem II	2012-13
34	Asarabul Absiya	Class topper Sem II	2012-13
35	Thamarai	Class topper Sem II	2012-13
36	Mohamed Marzook Nowfal	Class topper Sem II	2012-13
37	Ashura Fathima	Class topper Sem I	2012-13
38	Sowmyya	Class topper Sem I	2012-13
39	Faris Ali	Class topper Sem I	2012-13
40	Sarath M V	Class topper Sem I	2012-13
41	Abdul Jabbar	Class topper Sem I	2012-13
42	Mohamed Marzook Nowfal	Class topper Sem I	2012-13
43	Jahir Hussain	Class topper Sem II	2011-12
44	Abdul Rahman	Class topper Sem II	2011-12
45	Shamnaz	Class topper Sem II	2011-12
46	Mohammed Thoufek K M	Class topper Sem II	2011-12

47	Ahamed Zunaith Rasik A.F	Class topper Sem II	2011-12
48	Ahamed Zunaith Rasik A.F	Class topper Sem I	2011-12
49	Mohamed Fashid M	Class topper Sem I	2011-12
50	Ahmed Nader Alangadan	Class topper Sem I	2011-12
51	Parameshwari M	Class topper Sem I	2011-12
52	Jahir Hussain	Class topper Sem I	2011-12

24. List of eminent academicians and scientists /visitors to the department

S. No.	Name & Designation of the eminent Academicians and Scientists / Visitors	Working Institution / Organisation	Date of Visit
1	Mr. P. Thandapani	Vice Principal, Sri Ganga Hr. Sec. School, Ingur	31.01.2016
2	Mr. P. Balakumar	PG Assistant in Physics, Kongu Hr. Sec. School, Perundurai	31.01.2016
3	Dr. S. Marshal Anthoni	Prof & HOD, Anna University, Regional Centre, Coimbatore	24.06.2016
4	Dr. S. Vengataasalam	Prof/Mathematics, Kongu Engineering College, Perundurai	24.06.2016
5	Dr. K. S. Ramaswami	HOD/Mathematics, CIT, Coimbatore	25.06.2016
6	Mr. B. Senthil	ASP/Mathematics, PSG Tech, Coimbatore	25.06.2016
7	Prof. U. Krishnamoorthi	Prof/Mathematics, Excel College of Engineering & Technology, Pallakapalayam	26.06.2016
8	Prof. N.Subramaniam	SG Lecturer/Mathematics, IRTT, Erode	27.06.2016
9	Dr. R. Sakthivel	Prof/Mathematics, Sri Ramakrishna Institute of Technology, Coimbatore	28.06.2016
10	Mr. M. Mubarak Basha	Managing Director & CEO VIVID Infotech, India & US	29.7.2016

11	Prof. V. C. Malarmannan	Prof/ Bharathidasan school of Management, Bharathidasan University, Trichy	30.7.2016
12	Dr. M. S. Zunaid Ahamed	University of Nizwa, Oman	12.08.2013 6.8.2015
13	Dr. P. Saravanakumar	Anna University Regional Center, Coimbatore	6.8.2014
14	Mr. Jude Xavier	Director & Head, HR, Technosoft corporation, Chennai	6.8.2015
15	Mr. S. Manimaran	Rane Engine Valve Ltd. Chennai	12.08.2013
16	Dr. S. M. M. Mohammed Ali	-	03.09.2012
17	Dr. M. Chandrasekaran	Dean / S&H, Nandha Engineering College (Autonomous), Erode	11.04.2015
18	Prof. U. Krishnamoorthy	Professor / Mathematics, Institute of Road and Transport Technology, Erode.	13.10.2012 to 17.10.2012 , 30.09.2013 to 6.10.2013, 25.09.2014 to 6.10.2014
19	Mrs. Agalya	Assistant Professor, Dept. of English, Vasavi College, Erode	10.08.2012
20	Mr. Srinivasan	Aptech Spoken English	8.9.2014 to 15.9.2014
21	Mr. Naveen Annamalai	Voice Training, Coimbatore	10.01.2015
22	Mr. Srinivasan	Milton English Academy, Chennai	20 to 22.08.2015 & 24 to 26.08.2015
23	Mr. V. Chandrasekaran	Vice Principal, URC Hr. Sec. School. Erode	27.1.2013 19.1.2014
24	Mr. P. Thandapani	Vice Principal, Sri Ganga Hr. Sec. School, Ingur	27.1.2013 19.1.2014 19.01.2015

25	Mr. P. Balakumar	PG Assistant in Physics, Kongu Hr.Sec. School, Perundurai	27.01.2013 19.01.2015
26	Mr. Srinivasan	Aptech Spoken English	11.09.2012- 16.09.2012
27	Mr. L. Mariappan	Guest lecturer	19.01.2014
28	Mr. R . Muralikrishnan	Guest lecturer	19.01.2015

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

S. No.	Academic Year	Title	Date(s) of the Event	Source of Funding
1.	2010-11	Emerging trends in Green Chemistry	26.05.2011 to 09.06.2011	AICTE
2.	2011-12	Staff Motivation Program	21.12.2011	Al-Ameen Educational and Charitable Trust
3.	2011-12	National conference on ACCCAS	10.03.2012	Al-Ameen Educational and Charitable Trust
4	2012-13	National conference on ACCCAS	8, 9-03-2013	Al-Ameen Educational and Charitable Trust
5	2012-13	Faculty Development Program for first year Science and Humanities faculty	20.08.2012-28.08.2012	Al-Ameen Educational and Charitable Trust
6.	2013-14	National conference on ACCCAS	22.03.2014	Al-Ameen Educational and Charitable Trust
7.	2015-16	Workshop on Communicative English	02.02.2016	Al-Ameen Educational and Charitable Trust
8.	2015-16	Workshop on Environmental Pollution	22.02.2016	Al-Ameen Educational and Charitable Trust

9.	2016-17	FDTP on TPDE	24.06.2016 - 30.06.2016	Anna University
10.	2016-17	Workshop on MATLAB	29.11.2016	Al-Ameen Educational and Charitable Trust

b) International

S. No.	Academic Year	Title	Date(s) of the Event	Source of Funding
1.	2014-15	International conference on ACCCAS	10 & 11 .04.2015	Al-Ameen Educational and Charitable Trust
2	2015-2016	International conference on ACCCAS	07.05.2016	Al-Ameen Educational and Charitable Trust

26. Student profile programme/course wise

Name of the Programme	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
Not Applicable					

27. Diversity of Students

Name of the Programme	Academic Year	% of students from the same state	% of students from other states	% of students from abroad
B.E. All Branches	2009 - 2010	71%	29%	-
	2010 – 2011	82%	18%	-
	2011 – 2012	74%	26%	-
	2012 – 2013	75%	25%	-
	2013 – 2014	86%	14%	-
	2014 – 2015	85%	15%	-
	2015 - 2016	82%	18%	-
	2016 -2017	84%	16%	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

Not Applicable

29. Student progression (Year wise)

Student Progression	Against % Enrolled		
	2011 – 2015	2010 – 2014	2009 - 2013
UG to PG	NOT APPLICABLE		
PG to M.Phil.			
PG to Ph.D.			
Ph.D. to Post-Doctoral			
Employed			
Campus Selection	NOT APPLICABLE		
Other than campus recruitment			
Entrepreneurship / Self-employment			

30. Details of Infrastructural facilities

a) Library

No. of Books : 689

b) Internet facilities for Staff & Students

Wired : YES

WiFi : YES

c) Class rooms with ICT facility : 01

d) Laboratories

Curriculum Lab Description	Equipments
Engineering Physics Lab I & II	Diode laser, lycopodium powder, glass plate, optical fiber, Ultrasonic interferometer, Spectrometer, mercury lamp, grating, Lee's Disc experimental set up, Traveling microscope, meter scale, knife edge, weights, Carey foster's bridge set up (Vernier Caliper, Screw gauge, reading lens), Band gap experimental set up, Burette, Capillary tube, rubber tube, stop clock, beaker and weighing balance, prism, sodium vapour lamp, Air-wedge experimental set up. Torsion pendulum set up. (Vernier Caliper, Screw gauge, reading lens)
Engineering Chemistry Lab I & II	Pipette, Burette, conical flask, porcelain tile, dropper

31. Number of students receiving financial assistance from college, university, government or other agencies

Total No. of Students : 170

32. Details on student enrichment programmes (special lectures / workshops/seminar) with external experts

S. No.	Academic Year	Name of the Programme	Duration	Resource Person
1.	2016-17	Orientation Programme	1 Day	Prof. V. C. Malarmannan, Professor, BSM, Bharathidasan University, Trichy.
2.	2015-16	Communication Development Program	6 Days	Mr. Srinivasan
3.	2015-16	Entrepreneur Development Program	1 Day	Mr. Vinoth , District Employment Officer, Erode
4.	2014-15	Entrepreneur Development Program	1 Day	Mr. K. Aravinth, Managing Director, SS Ceramics, Erode
5.	2014-15	Guest lecture on Mathematics II for First year B.E. Students	1 Day	Dr. M. Chandrasekaran
6.	2014-15	Guest lecture on Advanced Numerical Methods for First year M.E. CAD/CAM Students	1 Day	Prof. U. Krishnamoorthy
7.	2014-15	Students' Development Program	6 Days	Mr. Naveen Annamalai
8	2013-14	Entrepreneur Development Program	1 Day	Mr. Ganasekaran, Deputy Director (Employment), Salem
9.	2013-14	Communication Development Program	6 Days	Mr. Srinivasan
10.	2013-14	Guest lecture on Applied Mathematics for Electronics Engineers for First year M.E. VLSI Design Students	1 Day	Prof. U. Krishnamoorthy
11.	2012-13	Communication Development Program	1 Day	Mr. Srinivasan
12.	2012-13	Guest lecture on Applied Probability and Statistics for First year M.E. CSE Students	1 Day	Prof. U. Krishnamoorthy

33. Teaching methods adopted to improve student learning

- Board Teaching
- Over Head Projector (OHP)
- Power Point Presentation
- Activity Based
- Group Discussions
- Referring Internet for Demonstration
- Tutorial session for problematic subjects

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- National Service Scheme
- Red Ribbon Club
- Youth Red Cross
- Maths Club
- Science Club

35. SWOC analysis of the department and Future plans

Strengths:

- Strong mentoring, counseling and student support system taking care of all students.
- Focus on personality development of each student through development of positive attitude, leadership qualities and awareness on communication skills in English.
- Experienced and dedicated faculty members

Weakness:

- Communication of entry level students is very low.
- Very short time duration for first years.
- Inadequate industry interaction.

Opportunity:

- Conducting more funded programmes.
- Qualification up gradation of faculty members.
- Achieve academic excellence.
- Availing funds from various granting agencies.
- Innovation in teaching - learning process
- Students' project interaction is encouraged in industries at National and International level.

Challenges:

- To motivate the rural students and mould them as quality product with cross cultural communication skills suitable to the global level.
- To motivate faculty members for changing and progressive paradigms in higher education.
- Bringing the Industry and academia closer
- Students mostly from Rural back ground.

Future Plans of the Department:

- To conduct national/ international seminars for first year students.
- Attaining approved research center status for all the departments coming under Science and Humanities Department.



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Southern/1-2811090402/2016/EOA

Date: 25-Apr-2016

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-2811090402
Name of the Institute	AL-AMEEN ENGINEERING COLLEGE	Permanent Id	1-3762161
Name of the Society/Trust	AL-AMEEN EDUCATIONAL & CHARITABLE TRUST	Institute Address	KARUNDEVANPALAYAM, NANJAI UTHUKKULI (POST) ERODE, ERODE DISTRICT, PINCODE-638104 TAMIL NADU, ERODE, ERODE, Tamil Nadu, 638104
Institute Type	Unaided - Private	Society/Trust Address	AL-AMEEN ENGINEERING COLLEGE CAMPUS, KARUNDEVANPALAYAM,NANJAI UTHUKKULI (PO),ERODE,ERODE,ERODE,Tamil Nadu,638104

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2811090402			Course	Full/Part Time	Affiliating Body	Intake 2015-16	Intake Approved for 2016-17	NRI Approval status	PIO / FN / Gulf quota Approval status	Foreign Collaboration/Twinning Program Approval status*
Program	Shift	Level								
ENGINEERIN	1st Shift	POS T	COMPUTER SCEINCE &	FULL TIME	Anna University,	24	24	NA	NA	NA



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G AND TECHNOLOGY		GRADUATE	ENGINEERING		Chennai					
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	VLSI DESIGN	FULL TIME	Anna University, Chennai	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Anna University, Chennai	120	120	NA	NA	NA

The above mentioned approval is subject to the condition that AL-AMEEN ENGINEERING COLLEGE shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

Course(s) Applied for Closure by the Institute for the AY 2016-17:

Application Id: 1-2811090402			Name of the Course	Full/Part Time	Affiliating Body	Course Closure Status
Program	Shift	Level				
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	CAD/CAM : (Last Approved Intake 24)	FULL TIME	Anna University, Chennai	Pending ^s



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In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:

- 1. The Regional Officer,**
All India Council for Technical Education
Shastri Bhawan 26, Haddows Road
Chennai - 600 006, Tamil Nadu
- 2. The Director Of Technical Education,**
Tamil Nadu
- 3. The Registrar,**
Anna University, Chennai
- 4. The Principal / Director,**
AL-AMEEN ENGINEERING COLLEGE
KARUNDEVANPALAYAM,
NANJAI UTHUKKULI (POST)
ERODE,
ERODE DISTRICT,
PINCODE-638104
TAMIL NADU,
ERODE,ERODE,
Tamil Nadu,638104
- 5. The Secretary / Chairman,**
AL-AMEEN EDUCATIONAL & CHARITABLE TRUST
AL-AMEEN ENGINEERING COLLEGE CAMPUS,
KARUNDEVANPALAYAM,NANJAI UTHUKKULI (PO),ERODE,
ERODE,ERODE,
Tamil Nadu,638104
- 6. Guard File(AICTE)**