

**Dr. MAHALINGAM COLLEGE OF
ENGINEERING AND TECHNOLOGY**

(AN AUTONOMOUS INSTITUTION AFFILIATED TO ANNA UNIVERSITY CHENNAI)

POLLACHI, COIMBATORE – 642 003

INTERNAL QUALITY ASSURANCE CELL (IQAC)

**ANNUAL QUALITY ASSURANCE REPORT
(2014 – 2015)**



**Submitted to
National Assessment and Accreditation Council
Bangalore - 560 072, India**

ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC

JULY 2014 – JUNE 2015



This is the AQAR of IQAC for Dr. Mahalingam College of Engineering and Technology, an Autonomous Institution, affiliated to Anna University, Chennai. The report relates to the period July 1, 2014 to June 30, 2015. This has been prepared under the direction of the Principal and submitted to the Governing Council in accordance with the National Assessment and Accreditation Council, Bangalore - An Autonomous Institution of the University Grants Commission, Guidelines 2013, for the Submission of Annual Quality Assurance Report (AQAR) of IQAC in Accredited Institutions.

Dr. N. Mahalingam
Founder Chairman

Dr. M. Manickam
Chairman

M. Hari Hara Sudhan
Correspondent

Prof. C. Ramaswamy
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Dr. S. Vijayarangan
Director (Academic)

Dr. Ranga Palaniswamy
Director (Student Affairs)

Dr. M. Ramakrishnan
Principal

FOREWORD

I am pleased to present the AQAR of IQAC for Dr. Mahalingam College of Engineering and Technology for the Academic Year 2014 - 2015 in accordance with the National Assessment and Accreditation Council, Bangalore - An Autonomous Institution of the University Grants Commission, Guidelines 2013, for the Submission of Annual Quality Assurance Report (AQAR) of IQAC in Accredited Institutions. The College has made significant strides in teaching, research and extension activities. The AQAR has been duly compiled and reported.

The AQAR will help in maintaining the quality consciousness which is crucial for sustaining the excellence. It is a mechanism to build and ensure quality culture at the department level. AQAR is to be used for meticulous planning, guiding and monitoring quality assurance and quality enhancement activities.

I thank all the members of the Governing Council and every individual/organisation whose contribution have made this college to achieve this stature and look forward to the continued cooperation, advice and guidance from all stakeholders.

Dr. M. Ramakrishnan
Principal

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Annual Quality Assurance Report (AQAR) of the IQAC

PART – A

1. Details of the Institution

1.1 Name of the Institution	:	Dr. MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY
1.2 Address Line 1	:	MAKKINAMPATTI (POST)
Address Line 2	:	UDUMALAI ROAD
City/Town	:	POLLACHI (TALUK), COIMBATORE (DISTRICT)
State	:	TAMIL NADU
Pin Code	:	642 003
Institution e-mail address	:	Principal : principal@drmcet.ac.in NAAC Co-ordinator : viceprincipal@mcet.in IQA Cell : iqac@drmcet.ac.in
Contact Nos	:	Principal (Mobile) : 98423 04203 NAAC Coordinator : 98423 04211 IQA Cell : 94438 86736
Name of the Head of the Institution	:	Dr. M. RAMAKRISHNAN
Tel. No. with STD Code	:	Office: +91 4259 237755 / 236030

Mobile	:	98423 04203
Name of the IQAC Co-ordinator	:	Mr. A. SRINIVASAN
Mobile	:	94438 86736
IQAC e-mail address	:	iqac@drmcet.ac.in & viceprincipal@mcet.in
1.3 NAAC Track ID (OR)	:	EC/62/A&A/129 dated 05 th January 2013
1.4 NAAC Executive Committee No. & Date	:	EC/62/A&A/129 dated 05 th January 2013
1.5 Website address	:	www.mcet.in
Web-link of the AQAR	:	http://mcet.in/mcet_alpha/index_2.php?main_menu_id=35&sub_menu_id=160&sub_sub_menu_id=704

1.6 Accreditation Details

S. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.61	2013	05.01.2013 to 04.01.2018
2	2 nd Cycle	-	-	-	-
3	3 rd Cycle	-	-	-	-
4	4 th Cycle	-	-	-	-

1.7 Date of Establishment of IQAC	:	05.06.2012
1.8 AQAR for the year	:	2014 - 2015

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC.

i. AQAR of 2013 – 2014 submitted to NAAC on 02/12/2014.

1.10 Institutional Status

University : State ☐ Central ☐ Deemed ☐ Private ☐

Affiliated College : Yes ☒ No ☐

Constituent College : Yes ☐ No ☒

Autonomous college of UGC : Yes ☒ No ☐

Regulatory Agency
approved Institution : Yes ☒ No ☐

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution: Co-education: ☒ Men ☐ Women ☐

Urban ☐ Rural ☒ Tribal ☐

Financial Status: Grant-in-aid ☐ UGC 2(f) ☒ UGC 12B ☒

Grant-in-aid + Self Financing ☐ Totally Self-financing ☒

1.11 Type of Faculty/Programme

Arts ☐ Science ☐ Commerce ☐ Law ☐ PEI (Phys Edu) ☐

TEI (Edu) ☐ Engineering ☒ Health Science ☐ Management ☐

Others
(Specify)

-

1.12 Name of the Affiliating University :

ANNA UNIVERSITY, CHENNAI – 600 025

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University	☒		
University with Potential for Excellence	☐	UGC-CPE	☐
DST Star Scheme	☐	UGC-CE	☐
UGC-Special Assistance Programme	☐	DST-FIST	☐
UGC-Innovative PG programmes	☐	Any other (Specify)	☐
UGC-COP Programmes	☐		

2. IQAC Composition and Activities

2.1 No. of Teachers	4
2.2 No. of Administrative/Technical staff	3
2.3 No. of students	2
2.4 No. of Management representatives	2
2.5 No. of Alumni	1
2.6 No. of any other stakeholder and community representatives	1
2.7 No. of Employers/ Industrialists	1
2.8 No. of other External Experts	1
2.9 Total No. of members	15
2.10 No. of IQAC meetings held	4
2.11 No. of meetings with various stakeholders:	No. 8 Faculty 3
	Non-Teaching Staff 2 Students 2 Alumni 1 Others 2
2.12 Has IQAC received any funding from UGC during the year?	Yes ☐ No ☒

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level ☒

(ii) Themes:

- Redesigning the curriculum based on the concept of Outcome Based Education.
- Teaching learning series workshop - II.
- Enhancing communication skills among the students.

2.14 Significant Activities and contributions made by IQAC

Faculties:

- Redesigning the Curriculum and Syllabi of all Engineering programmes.
- Establishing network with experts abroad, academicians and industrialists in the energy management for conducting International Conference on Renewable Energy and Sustainable Environment – 2015.
- Conducting Faculty Development Programmes in terms of technical and communication skills for knowledge update.
- Providing workshop on Teaching Learning Series highlighting pedagogic concepts with specific reference to learning assessment and evaluation with Canadian Educational Expert as the resource person.

Students:

- Fostering global competitiveness by promoting the use of technology and generating an ambience in quest of excellence.
- Orienting the students towards learning state-of-the-art technologies in the concerned domain and making them understand the industry expectations.
- Enhancing students' communication skill through speaking activities and course framed in alignment with Business English Certificate (BEC) spread over the initial three years of their study.
- Personality development programme (*Kandepam Ezhuga*) conducted by external experts.

Administrative Team:

- Conducting internal academic Audit.
- Rigorous interaction with industries for scheduling the plan aptly to carry out the activities of Career planning, Guidance, training and placement activities.
- Collaboration with many top-notched firms/institutes for better learning and knowledge update of both the students and faculty members
- Inviting leading companies for the campus recruitment drives and preparing students as per the requirements of the company.

2.15 Plan of Action by IQAC/Outcome:

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

Plan of Action	Achievements
To restructure the curriculum and syllabi of B.E ECE, EEE, E&I, Civil, CSE and B.Tech. IT programmes in tune with Outcome Based Education (OBE) philosophy.	Curriculum and syllabi of B.E ECE, EEE, E&I, Civil, CSE and B.Tech IT are designed in consultation with industry specialists and educational experts. With this the curriculum and syllabi of all programmes have been framed based on Outcome Based Education methodology. As many as 67 companies (Annexure xv) were contacted (at senior executive level, shop floor level, and alumni in the company) for inputs on redesign of curriculum. The same were discussed in the BoS meetings and Academic council meeting and the process of curriculum redesign on OBE methodology explained. The suggestions from the BoS members were well taken and incorporated.

To conduct stream-wise Career Orientation programme for the First year students.	Career Orientation Programme was organised separately for the students of each stream. Industry expectations have been shared by senior industrialists and also expectations from young graduates for being role ready had been clearly spelt by invited alumni.
To cultivate quality yardsticks to enhance communication skills among students.	To enhance and foster English communicative competence among students in order to meet out the requirement of global job avenues, a new module “Speaking Activity” for first year students and “LSRW activities” for the second and third years is introduced.
To adopt quality teaching learning methods with the use of ICT	Online resources like Massive Open Online Course (MOOC) and Spoken Tutorial have been put to use for enhancing the learning experience of students. Selected modules of NPTEL lectures are made available in DSPACE, the college intranet portal carrying learning resources for immediate reference. The college is the nodal centre for the IIT Bombay and IIT Kharagpur online STTPs. The college is conducting the STTPs for the benefit of the faculty members of external colleges and also internal faculty members.
To conduct Quality Audit	Internal Academic Audit has been conducted.

Academic Calendar for IQAC Activities – Annexure (iv)

2.16 Whether the AQAR was placed in statutory body: Yes ☒ No ☐

Management ☒ Syndicate ☐ Any other body ☐

Provide the details of the action taken:

- This AQAR was placed for perusal by the college administration team before submission.
- The report was checked by the members of the administration team.
- Suggestions and comments for improvement were incorporated through minor corrections.

PART – B

CRITERION – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	3	1	3	56
PG	6	-	6	
UG	9	-	9	
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	18	01	18	56
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-



1.2 (i) Flexibility of the Curriculum: CBCS / Core / Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	18
Trimester	-
Annual	-

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online ☒ Manual ☒ Co-operating schools (for PEI)

***Please see annexure - ii & iii for feedback form blank and sample of feedback analysis.**

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

➤ **Revision of Curriculum and Syllabus as per OBE methodology**

- Revision of curriculum for regulation R-2014 is based on outcome based education methodology.
- The curriculum and syllabus has been redesigned with the feedback and suggestions obtained from industrialist, academicians and students. The redesigned curriculum is approved in the BOS meeting.
- Emphasize is given on the fundamentals and practical courses
- Syllabus revisions are done in elective courses
- Introduction of theory courses combined with practical components for selected courses has been done.
- One credit courses are included in curriculum to provide skill-based competency development in students, using the facilities of Centres of Excellence.
- To facilitate the students for internship, fast track mode is introduced during 8th semester

➤ **Introduction of new courses**

- New courses are introduced in the curriculum specifically to develop the professional skills and attitude of students. Such courses are titled Professional Skills courses
- Promotion of Students' Wellness (PSW) course - to maintain physical, mental and social wellbeing – introduced in first semester
- Sports for Wellness (SFW) course - to maintain physical, mental and social wellbeing is introduced in second semester
- Course titled Personal Effectiveness – for goal setting and action orientation – has been designed for offering in third semester.
- These courses are designed with the help of experts in the field like
 - o Members from Arivu thirukkcoil, Aliyar for PSW course
 - o Dr. Pushparajan and physical education directors from Bharathiar university and tamilnadu sports university.
 - o Mr. Naveen, Consultant and trainer, Bangalore.

➤ **Assessment and evaluation**

- Revision in the system of Internal marks is carried out (40 internal and 60 external) as per the suggestions of members of BoS to gradually shift towards increasing the weightage given for continuous evaluation that constitute internal marks
- Evaluation questions set in such a way that each question maps to a course outcome enabling the measurement of the programme outcome ultimately.
- Co-creation of question papers jointly by the external setter and internal faculty members who handled the course is done so that questions are set at the appropriate Bloom's level.
- Assessment and evaluation of students are done with ICT tools (Inpods software) and is being gradually introduced across all academic departments.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

COMPUTER SCIENCE

- A new centre, IMS Academy has been established in collaboration with the industry - Tech Mahindra, Hyderabad.
- The Centre offers training on core areas in Infrastructure Management Services.

ELECTRONICS AND COMMUNICATION ENGINEERING

- ECE department has been recognized as Research Centre by Anna University, Chennai with effect from 05 May 2015.

AGILENT Technologies Centre for Excellence

- A Centre of Excellence in RF design and Verification has been established in ECE department. This centre is intended to benefit students who dream to pursue their research in the field of advanced wireless and RF communication & RF design.

Agilent Advanced Design System (ADS)

- ADS is industry leading RF design tool covering Linear, Non-Linear, EM, Time Domain simulator which can help students to get conversant with real world RF Designs.

ELECTRICAL AND ELECTRONICS ENGINEERING

➤ ASIC Centre of Excellence

ASIC Centre of Excellence is passionate in providing the skills and knowledge needed for Electronics Engineers by today's semiconductor and IC design companies, by offering world class training in custom IC design in the field of analog, digital and mixed signal disciplines. The Centre has the state-of-the-art CADENCE EDA suite with 20 user license and offers the following facilities.

CADENCE VIRTUOSO design environment	:	For schematic entry.
CANDENCE IES	:	For digital and mixed signal verification.
CADENCE ENCOUNTER	:	For physical design of digital and mixed signal circuits.
CADENCE ASSURA	:	DRC, LVS & RC extraction of analog & Mixed signal designs.
CADENCE SPECTRE	:	Simulation, analysis & parameter estimation of schematic and physical designs.
CADENCE ALLEGRO	:	PCB design solution.

CRITERION – II**2. Teaching, Learning and Evaluation**

2.1 Total No. of permanent faculty :	Total	Asst. Professors	Associate Professors	Professors	Others
	269	223	31	11	4

2.2 No. of permanent faculty with Ph.D. :	33
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2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year :	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	26	-	3	-	1	-	2	-	32	-

2.4 No. of Guest and Visiting faculty and Temporary faculty :	-	2	-
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2.5 Faculty participation in conferences and symposia :

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	20	105	23
Presented papers	31	8	-
Resource Persons	-	-	1

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Teaching:

- Stimulating peer group interaction among students to improve communication skills
- Establishing “Centre of Excellence” through which students can consolidate their theoretical knowledge by doing practical exercises and undertaking simple projects.
- Initiatives started for adopting active learning techniques for enriched learning experience of students.
- Motivating students to self-study the assigned unit in selected courses
- “Teaching Learning Series”- Workshop for faculty members by an eminent professor from Canada.
- Outcome Based Curriculum emphasizing the development of professional skills

Learning:

- Utilizing e-learning resources.
- Internship to students in Industry in the final year.
- Expert Lectures / Invited Talks by eminent persons from industry and reputed institutions.
- Trainings on Value Added courses.
- Regular stage presentations by students on the topics being taught and /or new learning
- Industrial/Field Visits to equip students with knowledge of current industry practices and requirements
- Use of video lectures of eminent IIT professors (available through NMEICT) and NPTEL.
- Introducing the software “Inpods” for an online interaction between teacher and a student to share post and receive the teaching content and assessment with the view of easy access to learning.
- Enriching students intellectual calibre in the area of communication skills through LSRW practice and assessing their performance periodically.

2.7. Total No. of actual teaching days during this academic year 2014 – 2015.

175

2.8. Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy and Online Multiple Choice Questions)

QR Coding & Photocopy, online MCQ for a few courses

2.9. No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

62	184	78
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2.10. Average percentage of attendance of students in the Academic Year (2014 – 2015)

97 %

2.11. Course/Programme wise distribution of pass percentage:

(i)UG Programmes - (2011 - 2015 Batch)

Title of the Programme	Total no. of students appeared	Division							
		Distinction		First Class		Second Class		Pass%	
		Count	(%)	Count	(%)	Count	(%)	Count	(%)
B.E - Automobile Engineering	67	01	1.49	44	65.6	6	8.9	51	76
B.E - Civil Engineering	66	05	7.57	42	63.6	2	3.03	49	74
B.E - Computer Science Engineering	137	20	14.5	85	62.04	13	9.4	118	86
B.E - Electronics and Communication Engineering	141	29	20.5	98	69.5	8	5.67	135	96
B.E - Electrical and Electronics Engineering	139	7	5.03	107	76.9	10	7.19	124	89
B.E - Electronics and Instrumentation Engineering	69	3	4.34	46	66.6	6	8.69	55	80
B.E. - Instrumentation and Control Engineering	69	9	13.04	48	69.5	4	5.7	61	88
B.Tech. - Information Technology	114	13	11.40	69	60.5	25	21.9	107	94
B.E - Mechanical Engineering	142	4	2.8	119	83.8	10	7	133	94

(ii) PG Programmes - (2013 - 2015 Batch)

Title of the Programme	Total no. of students appeared	Division							
		Distinction		First Class		Second Class		Pass%	
		Count	(%)	Count	(%)	Count	(%)	Count	(%)
M.E. - Computer Science and Engineering	15	4	26.6	11	73.3	-	-	15	100
M.E. - Applied Electronics	17	5	29.4	12	70.5	-	-	17	100
M.E. - CAD/CAM	18	3	16.6	15	83.3	-	-	18	100
M.E. - Communication Systems	17	9	52.9	8	47	-	-	17	100
M.E. - Structural Engineering	16	3	18.7	12	75	-	-	15	94
Master of Computer Applications (MCA)	63	4	6.34	57	90.4	1	1.5	62	98

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

Teaching:

- Redesigning the syllabus based on the industry need
- Faculty Development programmes to enhance faculty competency.
- Preparation of course wise Design Document
- Organizing teaching learning process by the preparation of pedagogic contents like course plan, lesson plan and learning materials.

Learning:

- Conduct of bridge course to groom students on the fundamental to learn the foundation courses.
- Use of multi-mode learning experiences.
- Practical learning through industry visits and internships
- Offering value added courses for proficiency enhancement.
- Providing projects, term paper, quiz to assess the overall learning of students
- Students participation in national and international technical events like SUPRA, BAJA, Formula Student etc.,

Evaluation and Monitoring:

- Preparation of an academic calendar
- Hosting Class Committee Meeting to analyse the effectiveness of teaching and learning and the academic performance of students.
- Continuous evaluation through CCETs, Tutorials, Assignments.
- Receiving students' feedback on teaching and employing it for supporting the faculty members to identify the outcome of teaching-learning for further improvement.
- Maintenance of assessment records.
- Conduct of Academic Audits.

2.13. Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	7
UGC – Faculty Improvement Programme	-
HRD programmes	11
Orientation programmes	24
Faculty exchange programme	-
Staff training conducted by the university	1
Staff training conducted by other institutions	35
Summer / Winter schools, Workshops, etc.	131
Others (AICTE)	8

2.14. Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	69	-	5	-
Technical Staff	72	-	4	1

CRITERION – III**3. Research, Consultancy and Extension****3.1. Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution**

- Encouraging the staff members to undertake major and minor research projects and to organize seminars, workshops and conferences.
- Motivating faculty members to publish research papers in journals.
- Encouraging the Department staff to submit the research proposals to various funding agencies.
- Informing students about various fellowships available and encouraging them to apply for the same.
- Conducting Conferences, Workshop, Seminars and Guest Lecture on recent developments and opportunities in the technology innovations.
- Motivating the faculty members to pursue Ph.D.
- Providing institutional funds to students competition projects like SAE Supra, BAJA, GoKart by ISNEE and Formula Student (Spain).
- Providing accessibility to refer online research journals of major professional bodies and societies

3.2 Details regarding major projects:

Details	Completed	Ongoing	Sanctioned	Submitted
Number	2	2	2	-
Outlay in Rs. Rs. (Lakhs)	Rs. 43,09,000/-	Rs. 46,35,000/-	Rs. 23,26,540/-	-

3.3 Details regarding minor projects:

Details	Completed	Ongoing	Sanctioned	Submitted
Number	1	3	3	-
Outlay in Rs. Rs. (Lakhs)	2,33,000	Rs. 9,25,000/-	Rs. 6,89,188/-	-

3.4 Details on research publications:

Details	International	National	Others
Peer Review Journals	69	-	-
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	34	38	-

3.5 Details on Impact factor of publications:

Range: 0.23 - 1.11 Average: 0.63 h-index: 6 Nos. in SCOPUS: 5

3.6. Research funds sanctioned and received from various funding agencies, industry and other organisations.

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned Rs (Lakhs)	Received Rs (Lakhs)
Major projects	2011 - 2014	DST, New Delhi	36,19,000	36,19,000
	2012 - 2013	AICTE, New Delhi	6,90,000	6,90,000
	2013 - 2016	SERB, DST, New Delhi	30,00,000	21,00,000
	2014 - 2015	MCET	16,35,000	5,26,540
Minor Projects	2013 - 2017	MCET	2,25,000	1,50,000
	2014 - 2016	MCET	3,00,000	2,64,188
	2014 – 2015	UGC	5,73,000	4,93,000
		MCET	4,00,000	2,00,000
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University / College	2014 – 2015	MCET	32,000	32,000
Students research projects	2014 – 2015	MCET	2,00,000	2,00,000

(other than compulsory by the University)		SACL/ABT	1,50,000	1,50,000
		MCET SGS Budget	23,84,109	23,84,109
		MCET	40,000	-
			2,50,000	
			25,000	
			2,00,000	
			1,50,000	
	2011 - 2015	MCET	1,00,000	-
Any other (FDP on Processing and characterization of Composite Materials).	2014 - 2015	AICTE, New Delhi	3,29,000	1,64,500
CSE Dept (Establishment of server by IIT-B at our college campus).	2014 - 2015	IIT Bombay, Mumbai	1,00,000	1,00,000
Total		20	1,44,02,109	1,10,73,337

3.7 No. of books published : i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges: Autonomy ☒ CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy :

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	5	-	-	-
Sponsoring agencies	-	-	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons :

3.13 No. of collaborations: International National Any other
(State level)

3.14 No. of linkages created during this year: **Annexure ix**

3.15 Total budget for research for current year in lakhs :

From Funding agency : From Management of University/College :
Total :

3.16 No. of patents received this year :

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist.	College
1	1	-	-	-	-	-

3.18. No. of faculty from the Institution who are Ph. D. Guides :
and students registered under them :

3.19 No. of Ph.D. awarded by faculty from the Institution:

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

University level	-	State level	8
National level	8	International level	-

3.23 No. of Awards won in NSS:

University level	1	State level	-
National level	-	International level	-

3.24. No. of Awards won in NCC:

University level	-	State level	-
National level	1	International level	-

3.25. No. of Extension activities organized (**Annexure vi – NCC & NSS**)

University forum	-	College forum	32	
NCC	2	NSS	22	Any other -

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility.

The college has carried out a flurry of outreach activities. These are given in **Annexure (v)**.

CRITERION – IV**4. Infrastructure and Learning Resources**

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	44.66 Acres	-	Fund from Institution	44.66 Acres
Class rooms	5785.11 Sq. mts	-		5785.11 Sq. mts
Laboratories	10086.32 Sq. mts	-		10086.32 Sq. mts
Seminar Halls	1731.75 Sq. mts	-		1731.75 Sq. mts
No. of important equipments purchased (≥ 1 - 0 lakh) during the current year(2014-2015).	6 items	18,09,467		18,09,467
Value of the equipment purchased during the year (Rs. in Lakhs)	-	2,99,05,860		1,53,00,308
Others	-	-	-	-

4.2 Computerization of administration and library

- Computerization of Library Administration with Barcode System.
- Electronic recording Entry and Exit of faculty members and students
- OPAC, Web OPAC (Books, CDs and Questions).
- Using E-Resources (online Journals & e-books).
- Delnet services.
- Multimedia Resources.
- Biometric system for faculty and staff attendance
- Communication through e-mail
- Inspro plus software for student attendance maintenance
- Web portal for students performance in tests and exams
- Web portals for updating and accessing staff and student data

4.3 Library services:

Details	Existing		Newly added		Total	
	No.	Value (Rs)	No.	Value (Rs)	No.	Value (Rs)
Text Books	31,132	12,578,225	140	2,72,230	31,272	1,28,50,455
Reference Books	6,167	24,91,646	277	3,65,896	6,444	28,57,542
e-Books	544	2,68,965	587	1,54,160	587	4,23,125
Journals	258	17,02,029	-	1,29,640	258	18,31,669
e-Journals	4143	36,37,768	4180	17,75,037	4180	54,12,805
Digital Database	1500+	63,470	1500+	72,160	1500+	1,35,630
CD & Video	4704	1,57,206	146	5,467	4,850	1,62,673
Others (Specify)	-	-	-	-	-	-

4.4 Technology up gradation (Overall):

Details	Total Computers	Computer Labs	Internet (MBps)	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1900	1427	100	136	76	47	107	107
Added	314	281	-	-	-	21	-	12
Total	2214	1708	100	136	76	68	107	119

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.).

Annexure viii

4.6 Amount spent on maintenance in lakhs:

i) ICT	:	39.40
ii) Campus Infrastructure and facilities	:	70.45
iii) Equipments	:	33.22
iv) Others	:	2926.60
Total	:	3069.67

CRITERION – V

5. Student Support and Progression

5.1. Contribution of IQAC in enhancing awareness about Student Support Services

Counseling and Mentoring:

- Students Guild of Services (SGS) headed and guided by a very senior faculty member as Director (Student Affairs), facilitated by faculty members and run by Student Representatives.
- Functioning of Students Grievance and Redressal Cell.
- Appointment of counselor for individual mentoring.
- Conducting remedial classes for the needy students.

Guidance:

- Functioning of Career Planning and Guidance (CPG cell) with personnel having industrial and student training experiences.
- Offering orientation programmes to orient students about industry expectations
- Training for Placements, preparation for higher studies, entrepreneurship training.

Training for communication:

- Centres for enhancing proficiency in national language/English language as skill development after the regular time.
- Motivating the students in taking up proficiency certificate courses in Business English Certificate- An International Certificate Course.
- “Crusade” an In-house monthly newsletter, with articles contributed by the students reflecting their skill in using English for communication, critiquing an article, imaginative capacity and portraying the activities of the college.

Facilities:

- Wi-Fi internet connectivity across the campus for information access and enhanced learning.
- Availability of Gymnasium and other sports provisions and a subject titled “Promotion of Students’ Wellness” and Sports for Wellness to develop students wellness.
- Established NSS and NCC wings to embolden students to be committed towards personal and community development.
- Cafeteria for students group interactions.
- Clubs and forum such as Gyan Quiz club, Science club, Robotics Club, RRC, YRC, Youth Parliament, Sports etc. to enable student to hone their skill of interest.

Motivation:

- Scholarship for academically good and financially poor student.
- Arutchelvar award to the proficient student in academic and other activities.
- Instituting “Best outgoing Student Award”.

5.2. Efforts made by the institution for tracking the progression

- Conducting continuous periodical tests and assessing their performance.
- Analysing their performance and counselling the poor performers with the proper intimation to the parents.
- Encouraging students for intercollege competitions and carrying out major and minor projects.
- Monitoring the attendance and academic discipline of the students by academic coordinators
- Appointed faculty advisors to track the performance of students and counsel them in case of poor performance in academic records.
- Students’ output in the form of worthwhile projects and conference publications.

5.3 (a) Total Number of students :

UG	PG	Ph. D.	Others
3703	306	-	-

(b) No. of students outside the state :

41

(c) No. of international students :

-

	No	%		No	%
Men :	2559	63.8%	Women :	1450	36.2%

Last Year (2013 - 2014)						This Year (2014 - 2015)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
178	419	9	3309	-	3915	197	400	6	3406	-	4009

Total Intake	990	Dropout %	2.1%
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5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- The Training and Placement cell facilitates students to undertake coaching classes for the competitive examinations conducted by external agencies.
- Student intelligence is tested in the area of aptitude during the regular examination and guidance is offered to crack it. Linguistic and Logical Ability test is conducted as a part of periodic tests along with academic subject tests.
- Training is offered to students to take up international certificate courses like BEC, IELTS and TOEFL.
- The Central Library is stacked with good numbers of books to prepare for competitive examinations.
- Career Planning and Guidance cell of the college conducts career orientation programmes which help the students to realize their potential and to focus on a career that matches the skills.

No. of student beneficiaries :

356

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	8	CAT	-
IAS/IPS etc	-	State PSC	-	UPSC	-	Others	10
(TANCET)							

5.6 Details of student counselling and career guidance

COUNSELLING:

- Mode - Personal Meeting with parents.
- Reporting - Monthly Report to the Head of Departments, Academic Performance and Attendance details are sent to the parents periodically.
- Area - Personal problem, Grievances and Motivation for better performance

Career guidance:

- Each department has appointed mentors among faculty members to different classes to provide academic, career and personal guidance and counseling to the needy students whenever required.
- Career and Placement Guidance Cell of the College offers placement training to the students in the areas of communication skills, aptitude, group discussion, interview skills, etc.
- Language Learning Centre offers training to take up Business English Certificate(BEC) an international certificate course, offered by Cambridge University, London
- Students are motivated to appear for competitive examinations and academic examinations like GATE, GRE, TOEFEL, CAT, MAT etc..
- Orientation on entrepreneurship development is done through lectures and talk by successful entrepreneurs and staff of developmental organizations like THIC, MSME.

No. of students benefitted : 1835

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
40	729	456	68

5.8 Details of gender sensitization programmes

- MCET has established a Students Affair Department, with a director at the helm. Recognizing the significance of counselling, the college hired a full time female counselling psychologist. She is entrusted with the gender sensitization programmes, interacting with the students of both the gender. In addition, the college has senior male and female counsellors who visit the campus as needed to interact with students and staff members. It is intended to expand the program by hiring a full time male psychologist. Besides, visiting lecturers will periodically address the faculty in an on-going basis regarding the issues related to gender equity and discrimination based on sex.
- Yuvasakthi-A Forum for women – The motto of constituting this forum is to enlighten the womanhood and to work for the welfare of the women in terms of individual enhancement which in turn leads to the societal development. To facilitate this, International Women's Day is being celebrated every year and funds are raised from generous donors and utilized for strengthening women's advocacy.
- Women Empowerment Cell: The Cell focuses on the security of the girl students and women staff members. This cell provides an opportunity for women to share experiences and explore mitigating measures to address their unique concerns.
- Anti-ragging Committee is formulated and led by the team of senior faculty members along with the personnel of the police department to keep a tight vigil so that students involving in any activity that amounts to ragging of co-student(s) is immediately brought to the surface for necessary legal action. Of course the college has on record few such ragging incidences.
- Grievances & Redressal committee is constituted to address the grievances raised by the students and staff.

5.9 Students Activities (**Annexure vii**)

5.9.1 No. of students participated in Sports, Games and other events:

State/ University level National level International level

No. of students participated in cultural events:

State/ University level National level International level

5.9.2 No. of medals/awards won by students in Sports, Games and other events

Sports: State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

Details	Number of students	Amount (Rs)
Financial support from institution	Campus Day Award - 44 Nos	5,77,500/-
	Annual Day Award – 13 Nos	1,20,000/-
Financial support from government	1. 1147 Nos (Scholarship - BC/MBC/CM Award)	67,70,310/-
	2. First Graduate 1167 Students	2,33,40,000/-
	3. Tuition Fess 127 SC / ST Students	53,22,500/-
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives (Conducted by SGS as common activities)

Fairs	: State/ University level	-	National level	☒	International level	-
Exhibition:	State/ University level	-	National level	☒	International level	-

Activities given in Annexure vii

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

1. Separate counters for NPT and MCET students were set up facilitating quick deposit and getting back mobile phones that are not permitted for use during working hours.
2. Installation of water doctor at the playground immediately after request.
3. Part time working opportunities for financially backward students.

CRITERION – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION: We develop globally competitive workforce and entrepreneurs.

MISSION: Dr. Mahalingam College of Engineering and Technology, Pollachi endeavors to impart high quality, competency based technical education in Engineering and Technology to the younger generation with the required skills and abilities to face the challenging needs of the industry around the globe. This institution is also striving hard to attain a unique status in the international level by means of infrastructure, state-of-the-art computer facilities and techniques.

6.2 Does the Institution has a management Information System: Yes

- Inspiro Plus software for maintaining students' attendance.
- FTP and individual mail facilities for every staff for effective communication.
- Department wise monthly progress report.
- Online Students feedback on faculty, consolidation and analysis.
- Online marks and attendance entry for every phase of continuous evaluation, consolidation, analysis and automatic calculation of internal assessment marks.
- Information of students performance to parents.
- Information Technology enabled Services (ITeS) department for provision of IT facilities.
- Students team as Software Work Group (SWG) working on development of customized software for academic and administrative information processing.
- Performance appraisal of faculty and staff members through self-evaluation and evaluation by HoD, Principal and the administrative team.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- Adopting Outcome based education methodology for all the programmes
- Obtaining feedback from multiple stakeholders, majorly the recruiters, alumni as to the expectations of the industry from a young graduate and the parents and students about the aspirations based on which the engineering programme is chosen.
- Setting department wise PEOs and POs that are in alignment with the mission and vision of the college
- Identifying knowledge and skill sets that the students should acquire to fulfil the attainment of the POs and PEOs
- Identifying the courses that have to be offered acquiring the above knowledge and skill (including technical and professional skills) and mapping the courses to enable curriculum development
- Developing the curriculum based on the course mapping and pre requisites for each course
- Formulating the Course Outcomes for each course and from those developing the syllabus for the course
- Breaking down the COs into finer Learning Objectives and developing the design Document that specifies the learning methodology, assessment and evaluation
- Fine tuning the curriculum and syllabus with suggestions from BoS members and SMEs from industry, academic institutions
- Following the Design Document for course delivery coupled with active learning techniques
- Assessment of achievement of COs based on assessment and evaluation
- Using ICT tools for better learning experience with web contents like from NPTEL, open courseware and instant assessment, evaluation.
- Designing and offering one-credit courses for acquiring skills on specific technical areas as part of regular curriculum
- Apportioning a unit of the syllabus of selected courses for self-study by students.

6.3.2 Teaching and Learning

- Implementing Outcome Based Education
- Provision of one credit courses and Value Added Courses
- Systematic deployment of course using design documents
- Teaching
 - ❖ Conventional lectures
 - ❖ Power point and Video presentations
 - ❖ Demonstrations and hands on training
 - ❖ Practical work
 - ❖ Special lectures by subject experts
- Discrete learning
 - ❖ Study of texts
 - ❖ Study of open-learning materials
 - ❖ Mediated self-instruction ;
- Group learning
 - ❖ Class discussions;
 - ❖ Seminars;
 - ❖ Group tutorials;
 - ❖ Simulations;
 - ❖ Peer teaching and learning;
 - ❖ Group projects; etc.
- Use of ICT
 - ❖ Learning through online resources like the contents of NPTEL, EdX and Courseera
 - ❖ Motivating formative assessments using moodles, InPods software
 - ❖ Language learning through interactive software and Smart facilities
- Feedback
 - ❖ Student feedback of faculty members for faculty improvement
- Pedagogic training
 - ❖ Training to faculty members on the aspects of OBE, higher order thinking skills, use of ICT tools, assessment and evaluation techniques, assessing and analysing student performance to understand the achievement of course objectives.

6.3.3 Examination and Evaluation

- Continuous evaluation through continuous comprehensive tests, assignments, tutorials and quiz and MCQ
- Co creation of question paper by internal and external faculty members so that questions are set at appropriate Bloom's level.
- Collecting feedback on question paper from subject experts and also faculty handling the course to improve the quality of questions.
- Online entry of marks, attendance with in stipulated time period and automated computation of internal assessment marks
- Evaluation of answer scripts by the external examiners from specifically identified reputed institutions
- QR code for coding and decoding of answer scripts to ensure handling of answer scripts with confidentiality.
- Publishing results on the internet through Institute website within stipulated time period.
- Provisions for the request of re-totaling / revaluation of theory examination answer scripts of semester end examinations within a stipulated period
- Conduct of continuous comprehensive tests and other exams as per the planned academic calendar.

6.3.4 Research and Development

- Anna University recognised Research Centres for Ph.D.
- 55 faculty members doing Ph.D.
- Industrial Design and Analysis projects carried out by C-DAT.
- Faculty are advised to submit proposal for various funding agencies.
- Internal funding provisions from the institute for research works by staff and students
- Sponsoring staff and students for presentation/participation in national and international conferences, seminars
- Subscribing for significant e-journals for motivating and facilitating research
- Weekly review of work progress of PhD scholars by senior faculty members, Principal and academic director.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Elaborate library with abundant piling of text and reference books.
- Multimedia Library for e-learning
- Software tracking of books transactions.
- E-Journals of major professional bodies and publishers.
- Readers Club to promote and motivate reading habit among students
- Study Centre that houses the books, speeches and videos of great leaders like Swami Vivekananda, Mahatma Gandhi and saints like Ramalinga Vallalar.
- Vast collection of books on varied subjects as gratis display
- A tranquil journal section for journal accessing and research

6.3.6 Human Resource Management

- To recruit the staff with the necessary skills and attributes to enable to the institution to full fills its aims and objectives.
- Providing employees with individual and family welfare measures.
- Thrift Society- a cooperative society - for helping the staff members with financial aids like arrangement of loan, fixed deposits etc.
- Assessing performance through annual self-appraisal for promotion and incentives
- Organising Faculty development programmes, pedagogical trainings and orientation activities for update of the faculty competence.
- Encouraging faculty members to undergo training for enhancing the quality of teaching.
- Creating infrastructural and monetary ambience for motivating research among faculty and students.
- Managing student affairs, student grievances and requirements through student guild of services.
- Counselling and mentoring of students by faculty and a qualified counsellor.

6.3.7 Faculty and Staff recruitment

- Faculty and staff recruitment is done as when needed in order to maintain the faculty student ratio as per norms
- Advertisements are posted in the leading newspapers and magazines informing the status of vacancy areas and prescribed norms for selection.
- Applications are shortlisted and screened candidates are called for interview with proper intimation.
- A constituted panel of interviewers comprising the administration team, senior faculty members of the college and external subject matter experts conduct interview for faculty/staff selection
- Applicants selected are appointed on probation and a permanent position is offered by the Management after assessment of their performance.
- Promotions are awarded to internal faculty and staff members by appearing the performance appraisal interview individually. Self-appraisal of performance is submitted by all faculty and staff annually for continuous evaluation.

6.3.8 Industry Interaction / Collaboration

- Fostering collaborations and signing MoUs with industries and universities to work together across departments for fruitful sharing of knowledge and facilities and to spawn productive interactions.
- Hosting mutually beneficial interactions with industry experts from the reputed firms as part of orientation to students to make them role-ready.
- Facilitating the students for industry visits, in-plant training, and internship in the industry.
- Centres of Excellence for learning via practical mode. One credit courses handled partly by industry experts.
- Periodical visits to the industry for update of technology and its adaptation and implementation to ensure the sheer development.
- Expert suggestions by industry personnel as BoS members in formulating curriculum and syllabus.
- Interaction with companies as part of consultancy through C-DAT, Siemens centre of excellence and training to industry personnel through centres of excellence.

6.3.9 Admission of Students

- Admission of students as per norms of University, UGC and government and through single window system.

6.4 Welfare schemes for (Annexure x, xi & xii)

Teaching	Available
Non-Teaching	Available
Students	Available

6.5 Total corpus fund generated: 6.6 Whether annual financial audit has been done: Yes ☒ No

6.7 Whether Academic and Administrative Audit (AAA) have been done?

Audit Type	External	Internal		
	Yes/No		Yes/No	Authority
Academic	No	Internal Academic Audit (IAA) conducted	Yes	Principal
Administrative	No		Yes	Principal

6.8 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes Yes ☒ No ☐For PG Programmes Yes ☒ No ☐

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- Revision in proportioning the Marks: Internal: 40 & External: 60 Marks.
- Encouraging co-creation of question papers for appropriate setting.
- Setting question papers as per Bloom's Taxonomy by co-creation
- Question papers set in tune with the course outcomes so that the achievement of course outcomes and hence programme outcomes can be measured.
- Preparation of question papers in multiple series.
- Entry of Continuous and Comprehensive Evaluation Test marks and attendance in intranet portal and automatic calculation of attendance and end semester marks.
- Provision for issuing the photocopy of the answer scripts for challenge re-valuation by students.
- External Audit of the processes of office of the Controller of Examinations by Senior Professors from reputed Engineering Colleges/Universities.
- Analysis of results for academic improvement
- Introducing use of InPods software for online assessment and evaluation

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

- The constructive changes that are brought in by the college in the form of curriculum, syllabus framing, revisions in the academic and examination processes are put forward to the university nominees who are members of the BoS and Academic council for consideration and approval. The college has taken up the mantle of introducing OBE with introduction of new courses and revisions in the existing courses.

6.11 Activities and support from the Alumni Association (**Annexure xiii**)

- Industrious interaction of alumni to nurture the young people with proper guidance, counsel and update with novel trends in technology and job market to have role readiness attitude.
- Alumni Association for steering the students to know the opening of job avenues abroad and for pursuing higher studies.
- Obtaining alumni suggestions during BoS meeting on industry expectations that help restructuring of curriculum and teaching -learning process.
- Endowment funds from Alumni Association for encouraging the best performing students with cash awards and prizes.

6.12 Activities and support from the Parent – Teacher Association

- Constructive suggestions from parents through parents meeting have enabled the administration to understand their aspirations and better functioning of the college

6.13 Development programmes for support staff

- Provision for part-time study for staff members
- In house staff development programmes (fluid power and applications)

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Installation of solar panels for in-house generation and utilization of power
- Use of modern vehicles and equipment to maintain the campus clean and tidy
- Awareness programme on environment upkeep.
- Planning for hosting an international conference on Renewable Energy and Sustainable Environment RESE - 2015.

CRITERION – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

The innovative measures are instituted primarily to elevate standard in quality of education:

- Redesigning the curriculum and syllabi of Automobile and Mechanical departments based on Outcome Based Education concepts mentored by Dr.Kovaichelvan, Senior Vice President, TVS Motor Company.
- Inclusion of courses on Students Wellness in regular curriculum to impart the healthy habits of choosing nutritious food, practising regular physical exercises and meditation.
- Offering specially designed courses on communication skills and special coaching to students in developing their communicative ability (LSRW practice sessions, and BEC using external resource persons)
- Introduction of active learning and mind mapping techniques in order to broaden the intellectual calibre of students.
- Offering one unit in syllabus for self-study to motivate students in self learning.
- Fast track semester for eligible students to enable them undertake industry internship during final semester
- Student talent pool development training to students of core and circuit branches by industry experts. This training develops analytical thinking and application of knowledge to industrial problem solving.
- Teaching-Learning Series workshop on effective assessment and evaluation techniques conducted for faculty members with Prof. John Rymer from Canada, an expert on Authentic Pedagogy, as resource person. This is the second workshop in the series.
- Adopting stream concept to manage activities of allied departments.
- Instituting MoU's and Collaborations with leading corporate companies. Use of centres of excellence for skill development and undergoing one credit courses.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Plan of Action	Achievements
To restructure the curriculum and syllabi of B.E ECE, EEE, E&I, Civil, CSE and B.Tech. IT programmes in tune with Outcome Based Education (OBE)	The curriculum and syllabi of all the programmes have been revised as per OBE methodology. However, this is an on going process and the college is working on this with renewed inputs for constant improvement.
To conduct stream-wise Career Orientation programme for the First year students.	The Career planning and guidance cell of the college has conducted the orientation programmes along with interactions with a wide cross section of personnel from industry, alumni and motivators for self development. A vibrant network with industry is ever on the anvil of the college for better interactions.
To cultivate quality yardsticks to enhance communication skills among students.	Innovative methods have been adopted to develop communicative skills of students. The Language learning centre is committed towards these accomplishments and special training to students are offered on the do-and-learn way for improving the LSRW skills.
To adopt quality teaching learning methods with the use of ICT	Online resources like NPTEL, MOOC, Coursera Spoken Tutorial have been put to use for enhancing the learning experience of students. However these NMEICT resources will have to be taken wider across all departments in the college. Students will be motivated to do Spoken Tutorial courses, and judicious use of NPTEL contents for teaching and learning will be encouraged in the all the departments.
To conduct Quality Audit	Internal Academic Audit has been conducted.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

Introduction of courses to develop professional skills of students

Empowering students to realize their fullest potential through holistic development by offering courses on professional skills. Courses titled *Promotion of Students Wellness, Sports for Wellness, Communication Skills* have been designed with inputs from domain experts and offered to the first year students as part of their academics. Similar programmes will be offered in the ensuing semesters.

Outcome Based Education

Incorporating outcome based education methodology in all programmes with intensive inputs from stakeholders. Revising the curriculum, syllabus and evaluation methodology is done to ensure realization of stakeholder expectations.

7.4 Contribution to environmental awareness / protection

- The college is striving within the limits of practical considerations to conserve energy and resources, reduce waste, use environmentally friendly products, and minimize the adverse impact on the surrounding environment.
- The campus has a green cover with many trees and neatly maintained lawns. Every effort is taken in maintaining the campus clean and green.
- A solar roof top power plant with around 55 kWp capacity has been installed in the campus in order to create awareness among students and youth about the need for green energy. The plant is able to meet around 6% of electrical consumption of the college.
- Moreover the college located at Pollachi, a land of natural wealth and prosperity receives monsoon rains constantly and it is always present with lush green, tranquil atmosphere and eco-friendly environment. The college is all set to host the International Conference on Renewable Energy and Sustainable Environment-2015 from 10 August 2015 to 13 August 2015. It is planned to roll out this conference once in every two years.

7.5 Whether environmental audit was conducted? Yes ☐ No ☒

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

- A progressive management that always aims to offer the state-of-the-art knowledge to students coupled with traditional values; A team of faculty and staff members who are committed to work in new directions, guided by senior and experienced administrative team.
- Good infrastructure conducive for enhanced learning and research; incorporating the latest of software to improvise teaching learning, evaluation and management information.
- Vibrant network with industries, enabled and consolidated by the management, who themselves are successful industrialists; Establishment of centres of excellence for skill development, consultancy and research.
- Using autonomous status for bringing in timely revisions in curriculum and syllabi in tune with OBE. Introduction of one credit courses handled by industry experts for skill development of students in relevant areas.
- Outreach activities by taking technology for rural development.

8. Plans of institution for next year

Academic:

- i) All the programmes will embrace outcome based education methodology. Introduction of professional skills courses that aim at developing the required soft skills in the students, will be done in a graded manner every semester.
- ii) The Choice Based Credit System (CBCS) will be implemented suitably blending it with OBE.
- iii) Use of ICT tools like Inpods will be widely introduced for making the assessment and evaluation of students performance timely and effective so that course corrections can be made then and there for better teaching and learning.
- iv) Objectivise the measurement of program outcomes.

Research:

- i) Foster research through external funding.
- ii) Encourage worthwhile student mini projects and major projects that can qualify for publication and/or fetch industry internship.
- iii) Collaborate with industries for executing suggested projects.

H.R. & Faculty Development:

- i) Common faculty development programmes on teaching and learning will be conducted.
- ii) At least two UGC sponsored faculty improvement programmes will be conducted based on the needs.

Industry relations:

- i) Every stream will strive to widen the database of industry network and enhance mutual interactions for enabling more of guest lectures, training, internship, projects.

Outreach activities:

- i) The activities of technology transfer and conducting awareness programmes will be continued. Students group will be formed and given charge of imparting awareness training on computer and internet.

Student Affairs:

- i) Active practice on listening, speaking, reading and writing in English will be imparted to students to enhance their communicative ability. A rigorous schedule will be devised and followed for this purpose.

Name: Mr. A. SRINIVASAN



Signature of the Coordinator, IQAC

Name: Dr. M. RAMAKRISHNAN



Signature of the Chairperson, IQAC

Annexure (i)

Academic Schedule

Dr. Mahalingam College of Engineering and Technology – Pollachi – 642 003
(An Autonomous Institution)

Academic / Internal Assessment Examinations Schedule 2014 – 15

UG/PG Programmes (ODD Semester)

Date : 04.08.2014

Description	V Year M. Sc. (9 th semester)	IV Year B.E. / B.Tech. / III Year MCA	III Year B.E. / B.Tech.	II Year B.E. / B.Tech. / MCA / M.E
Re-opening date	2 nd July 2014	10 th July 2014	10 th July 2014	10 th July 2014
CAT-I / CCET-I	11 th to 13 th Aug 2014	25 th Aug to 1 st Sep 2014	25 th Aug to 1 st Sep 2014	25 th Aug to 1 st Sep 2014
CAT-II / CCET-II	15 th to 17 th Sep 2014	24 th to 30 th Sep 2014	24 th to 30 th Sep 2014	24 th to 30 th Sep 2014
Mid Semester Exam	-	24 th to 30 th Sep 2014 (MCA)	-	24 th to 30 th Sep 2014 (MCA)
RETEST	-	28 th Oct to 5 th Nov 2014	28 th Oct to 5 th Nov 2014	28 th Oct to 5 th Nov 2014
CAT-III / MODEL	27 th to 29 th Oct 2014	19 th to 25 th Nov 2014	19 th to 25 th Nov 2014	19 th to 25 th Nov 2014
Last Lecture day	5 th Nov 2014	18 th Nov 2014	18 th Nov 2014	18 th Nov 2014
Commencement of End Semester Examinations (Practical/ Theory)	To be announced later	26 th Nov 2014	26 th Nov 2014	26 th Nov 2014

Note : Details extracted from Academic Calendar available online in MCET website.

To

All HoDs / HoSs

Dean – VAE

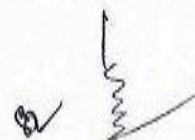
Copy to

The Director (Academic) / Director (Student Affairs)

The Vice – principal

The Secretary for kind information


PRINCIPAL



Dr. Mahalingam College of Engineering and Technology – Pollachi – 642 003
(An Autonomous Institution)

Academic / Internal Assessment Examinations Schedule 2014 – 15 (Even Semester)
UG/PG Programmes

Date: 07.01.2015

Description	IV Year B.E. / B.Tech.	Comments
Re-Opening date	26 th Dec 2014	
CCET-I	Last Date for submitting Marks to exam cell 16.02.2015	After 37 working days
CCET-II	Last Date for submitting Marks to exam cell 10.03.2015	After 55 working days
Retest	Last Date for submitting Marks to exam cell 20.03.2015	After 64 working days
Last Working day	24.03.2015	67 th Working day
MODEL	25 th to 27 th March 2015	
Project Final Viva-voce	30 th , 31 st March and 01 st April 2015	
End Semester Examinations - Theory	06 th , 08 th and 10 th April 2015	2 nd to 5 th April 2015 (Govt. Holidays)

Description	III Year B.E. / B.Tech.	II Year B.E. / B.Tech. / MCA	I Year B.E. / B.Tech. / MCA / M.E	Comments
Re-opening date	5 th Jan 2015	5 th Jan 2015	27 th Jan 2015	
CCET-I	14 th to 17 th Feb 2015	14 th to 17 th Feb 2015	3 rd to 5 th Mar 2015	After 30 working days
CCET-II	28 th to 31 st Mar 2015	28 th to 31 st Mar 2015	17 th to 20 th Apr 2015	After 60 working days
Mid Semester Exam	--	2 nd to 6 th Mar 2015 (II MCA)	23 rd to 28 th Mar 2015 (I ME)	After 40 working days
RETEST	15 th to 17 th Apr 2015	15 th to 17 th Apr 2015	28 th to 30 th Apr 2015	After 69 working days for II and III year After 66 working days for I year
Last Working day	22 nd Apr 2015	22 nd Apr 2015	09 th May 2015	After 75 working days
MODEL	23 rd to 29 th Apr 2015	23 rd to 29 th Apr 2015	11 th to 16 th May 2015	
Commencement of End Semester Examinations (Practical/ Theory)	30 th Apr 2015	30 th Apr 2015	18 th May 2015	
Last date of End Semester Exams (Regular)	23 rd May 2015	23 rd May 2015	6 th Jun 2015	
Re-opening Date (AY 2015 – 16)	15 th June 2015	15 th June 2015	17 th June 2015	

To: HoDs / HoSs
Copy to: Vice Principal, Deans, COE
Copy Submitted to: The Directors
The Secretary


PRINCIPAL

Annexure (ii)

Feedback Blank Forms

Dr. Mahalingam College of Engineering and Technology (Autonomous)
Pollachi - 642 003

டாக்டர் மகாலிங்கம் பொறியியல் மற்றும் தொழில்நுட்பக் கல்லூரி (தன்னாட்சி)
பொள்ளாச்சி 642003

FEEDBACK FORM - PARENTS (பெற்றோர் கருத்துகணிப்பு படிவம்)

Dear Parent(s),

The purpose of this form is to improve our services and overall performance. Please rate the parameters in the scale of 1 to 4 by encircling the ratings against the parameters and kindly return back this form. Feel free to give your valuable comments and observations.

அன்புள்ள பெற்றோர்,

எங்களின் கல்விச் சேவையை மேம்படுத்தும் பொருட்டு தங்களிடமிருந்து கருத்துக்களைப் பெற இப்படிவம் தங்களுக்கு தரப்பட்டுள்ளது. உங்கள் கருத்துக்களை 1 முதல் 4 அளவிற்குள் மதிப்பிட்டு இப்படிவத்தை திருப்பி ஒப்படைக்குமாறு கேட்டுக்கொள்கிறோம்.

Feedback about ICE department

S.No. வ.எண்	Description விபரம்	Needs Improvement மேம்படுத்த வேண்டும்	Average சராசரி	Good நன்று	Excellent மிகக் நன்று
1	Imparting Knowledge (as understood by you) கல்வி அளிக்கும் முறை	1	2	3	4
2	Communication with Parents பெற்றோர்களுடன் தொடர்பு கொள்ளும் முறை	1	2	3	4
3	Marks Reporting System மதிப்பெண்கள் அனுப்பும் முறை	1	2	3	4
4	Attendance Reporting System வருகைப்பதிவேடு அனுப்பும் முறை	1	2	3	4
5	Career Counseling and Training நலவாழ்வுவிற்கான வழிகாட்டுதலும் பயிற்சியும்	1	2	3	4
6	Placement Activities வேலைவாய்ப்பு குறித்த நடவடிக்கைகள்	1	2	3	4
7	Class Room Facilities வகுப்பறை வசதிகள்	1	2	3	4
8	Laboratory Facilities ஆய்வக வசதிகள்	1	2	3	4
9	Extra-Curricular Activities (Sports/NSS/NCC/Cultural activities etc.) கல்வி சாரா பயிற்சிகள்	1	2	3	4
10	Co-curricular Activities (Association / Clubs / Seminar / Conference etc.)	1	2	3	4

Please give your valuable suggestions to improve the overall performance of campus

+ கல்லூரி முன்னேற்றத்திற்கான தங்களின் ஆலோசனைகள்

1	
2	

(Optional)

Name of the Student: _____ Parent Name: _____

Address: _____

Phone Mobile No _____

Date : _____

Parent Signature : _____

டாக்டர் மகாலிங்கம் பொறியியல் தொழில்நுட்பக் கல்லூரி, பொள்ளாச்சி - 03
(தன்னாட்சி நிறுவனம்)

பெற்றோர் கருத்துப் படிவம்
(தர நிர்ணய மற்றும் மதிப்பீட்டின் ஓர் அங்கம்)

அன்புடையீர்,

நமது கல்லூரியின் சேவைகள் மற்றும் ஓட்டுமொத்த செயல்திறனை மேம்படுத்தும் பொருட்டு கீழே கொடுக்கப் பட்டுள்ள ஒவ்வொரு அளவுருவுக்கும் எதிராக (✓) குறியீடு செய்யுமாறு கேட்டுக் கொள்கிறோம். இப்படிவத்தில் நீங்கள் பூர்த்தி செய்யும் தகவல்கள், எங்கள் தொடர் சேவையை மேம்படுத்த உதவும் என நம்புகிறோம். இது குறித்த தங்கள் ஒத்துழைப்பிற்கு நன்றி.

வெபர் எண்	அறிவுரு	மிக நன்று	நன்று	சராசரி	திறப்திகரமாக உள்ளது	முன்னேற்றம் தேவை
1.	கல்வியறிவு வழங்குதல்					
2.	ஆங்கில உரையாடல் திறனை மேம்படுத்துதல்					
3.	மனித நேய மனப்பாங்கை வளர்த்தல்					
4.	தொடர்ந்து கற்பதற்கான ஆர்வத்தை உண்டாக்குதல்					
5.	போட்டித் தேர்வுகளில் திறம்பட செயல்படுவதற்கான ஆர்வத்தை உண்டாக்குதல்					
6.	பெற்றோர்களுடன் மாணவர்களைப் பற்றிய தகவல் பரிமாற்றம்					
7.	தேர்வு மதிப்பெண்கள் மற்றும் மாணவர் வருகை நிலவரம் பற்றிய தகவல் வழங்குதல்					
8.	செய்தொழில் குறித்த ஆலோசனை மற்றும் பயிற்சி					
9.	வேலைவாய்ப்பிற்கான ஏற்பாடுகள்					
10.	வகுப்பறை மற்றும் ஆய்வக வசதிகள்					
11.	விளையாட்டு / NSS / NCC போன்ற பாடத்திட்டம் சாராத செயல்பாடுகள்					
12.	பாடத் திட்டம் சார்ந்த செயல்பாடுகள் (கருத்தரங்கு, தொழில்நுட்ப மாநாடு, பயிற்சி வகுப்புகள் போன்றவை)					
13.	கல்லூரிப் பேருந்து வசதிகள்					
14.	சிறுநாடி, வங்கி, ஏ.டி.எம், மருத்துவ வசதி, புத்தக அங்காடி போன்ற வசதிகள்					
15.	மாணவர்கள் ஒழுக்கத்திற்கான நடவடிக்கைகள்					
16.	மாணவர் குறை களைதல்					
17.	நம் கல்லூரியின் கல்லூரிச் சேவையின் மூலம் தங்கள் மகன் / மகள் பெற்றுள்ள ஓட்டுமொத்த செயல்திறன் மேம்பாடு					

கல்லூரியின் செயல்பாட்டினை மேலும் மேம்படுத்துவதற்கான தங்களது கருத்துக்களை தயவு கூர்ந்து கீழே பதிவு செய்யவும்.

1.	
2.	
3.	

மாணவர் / மாணவி பெயர் : பெற்றோர் பெயர் :

துறையின் பெயர் : முழு விவரம் :

கைபேசி எண் :

Dr.Mahalingam College of Engineering and Technology, Pollachi 642 003
[An Autonomous institution]**STUDENT FEEDBACK FORM****[Theory Subject]**

Programme	_____	(*if you wish)	
Current Year /Semester:	_____	* Name of student	_____
Batch	_____	* Register number	_____
		* Signature	_____

Name of the staff evaluated :Dr/Mr/Ms. _____

Subject handled : _____

Dear Student:

We are constantly aiming to improve upon the class room delivery by the faculty members and we aspire to impart the best education to the students. Your honest and unbiased feedback will help us to improve our performance.

Give your feedback by writing the **Letter Grade** as

EXCELLENT : E, GOOD : G, AVERAGE : A, SATISFACTORY : S, NEEDS IMPROVEMENT : I

Please take time and register your feedback

Sl. No.	TEACHING EFFECTIVENESS	Letter Grade
1	The teacher... Is punctual to the class	
2	Follows a teaching plan and highlights the objectives of learning	
3	Is able to teach with good depth and applications	
4	Has good communicative ability	
5	Teaches the subject in a clear and logical manner	
6	Writes and draws clearly and legibly on the black board	
7	Stresses important points during teaching	
8	Gives examples, analogy and applications that are relevant to the content	
9	Uses teaching aids like charts, ppts, videos whenever appropriate.	
10	Gives additional inputs and references for further learning	
11	Teaches at an appropriate pace (neither very slow nor very fast)	
12	Uses case studies, group discussions, solved examples and exercise problems for better understanding	

Sl. No.	EVALUATION AND MOTIVATION	Letter Grade
13	The teacher... Encourages the students to ask questions and facilitates class room discussion	
14	Sets questions at the appropriate level of difficulty to answer	
15	Values answer papers impartially and returns promptly.	
16	Gives feedback about performance in the answer script and discusses the same in class	

Sl. No.	COMMITMENT AND CONCERN	Letter Grade
17	The teacher... Teaches beyond syllabus for career development	
18	Is honest, flexible and approachable and maintains class room discipline	
19	Appreciates good performance of students and offers guidance for improvement	
20	Helps in the overall development (character and personality) of student	

Thanking you

Dr. Mahalingam College of Engineering and Technology, Pollachi 642 003
[An Autonomous institution]**STUDENT FEEDBACK FORM**
[Practical Subject]

		(*if you wish)	
Programme	:	* Name of student	:
Current Year /Semester:	:	* Register number	:
Batch	:	* Signature	:

Name of the staff evaluated :Dr/Mr/Ms. _____
(give feedback for main staff member who handled the practical subject)

Practical Subject handled : _____

Dear Student:

We are constantly aiming to improve upon the class room delivery by the faculty members and we aspire to impart the best education to the students. Your honest and unbiased feedback will help us to improve our performance.

Give your feedback by writing the **Letter Grade** as

EXCELLENT : E, GOOD : G, AVERAGE : A, SATISFACTORY : S, NEEDS IMPROVEMENT : I

Please take time and register your feedback

Sl. No.	The teacher...	Letter Grade
1	Is punctual to the lab classes	
2	Issues handouts/lab manuals well in advance	
3	Gives the introduction of the exercises/experiments highlighting their aims	
4	Gives clear instructions for doing each experiment	
5	Helps students in relating the experiment with the relevant theory already learnt	
6	Goes around the lab and monitors students when they are doing the experiment	
7	Asks questions to check students understanding of the experiment and its purpose	
8	Insists on timely submission of observation/record note	
9	Takes sufficient time for correcting observation/record note and indicates the corrections clearly	
10	Appreciates innovative performance of students	

Thanking you

ALUMNI FEEDBACK FORM

[A Part of Quality Assurance cum Assessment]

Dear Alumnus,

Being a proud alumnus of this college we believe that you will be able to give an objective and unbiased feedback regarding the college and its functioning when you were a student here. We are sure that we will put your valuable feedback to the best use for improving the college status on various aspects and serve your junior students better. Kindly register your feedback as a written note or selecting the relevant box as you have observed. Thank you!

Very Good (VG); Good (G); Average (A); Satisfactory (S); Needs Improvement (I)

		VG	G	A	S	I
I	FACILITIES					
1	Class room facilities	☐	☐	☐	☐	☐
2	Laboratory facilities	☐	☐	☐	☐	☐
3	Multimedia facilities for learning (like LCD projectors, videos, etc)	☐	☐	☐	☐	☐
4	General amenities (Cafeteria, drinking water, wash room, medical, etc)	☐	☐	☐	☐	☐
5	Library facilities	☐	☐	☐	☐	☐
6	Research labs/facilities for doing project	☐	☐	☐	☐	☐
7	Sports and Gym facilities	☐	☐	☐	☐	☐
8	Hostel facilities (if you had been hosteller)	☐	☐	☐	☐	☐
II	FACULTY (Evaluation of all faculty put together)					
1	Academic standing	☐	☐	☐	☐	☐
2	Teaching and class room management	☐	☐	☐	☐	☐
3	Commitment to guide students for higher levels of learning (projects, presentations, publications, etc)	☐	☐	☐	☐	☐
4	Acquiring current knowledge	☐	☐	☐	☐	☐
5	Cordiality and accessibility	☐	☐	☐	☐	☐
III	CAREER PLANNING AND GUIDANCE					
1	Trainings for placement	☐	☐	☐	☐	☐
2	Personality development programmes	☐	☐	☐	☐	☐
3	Trainings in sports / games (if applicable to you)	☐	☐	☐	☐	☐
4	Coaching for admission to higher studies	☐	☐	☐	☐	☐
IV	GENERAL ADMINISTRATION					
1	Dissemination of relevant communications (from govt., univ., other colleges, companies, etc.)	☐	☐	☐	☐	☐
2	Redressal of legitimate grievances	☐	☐	☐	☐	☐
3	Encouragement to try novel ideas in college	☐	☐	☐	☐	☐
4	Flexibility in administration wherever possible and needed	☐	☐	☐	☐	☐

V. Kindly mention the strengths and areas for improvement of the college as you observed during your study in the college

Strengths	Areas for Improvement
Facilities	
Faculty	
Trainings	
General Administration	

Any other suggestion / feedback / innovative ideas to improve the overall performance of our college (if any):

(Please do not hesitate to attach one or more pages of written feedback elaborately if you wish.)

You are presently...

Employed	Employed with: _____	Under going any part time study: Yes / No If yes, mention name of programme _____
	Designation : _____	
	Key responsibilities: _____	
Doing higher studies	Program: _____	Having Previous industrial experience : Yes / No
	Institute/College: _____ (with place)	
An entrepreneur	Venture: _____	If yes, number of years: _____
	Since (year): _____	

Personal Information:

Name :	Phone :
Branch Studied :	Mobile:
Batch : 20__ to 20__	Mail id:
Communication address :	Signature with Date

Dr. Mahalingam College of Engineering and Technology, Pollachi – 642 003
(Autonomous Institution)

EMPLOYER FEEDBACK FORM
(A part of Quality Assurance cum Assessment)

Dear Sir/Madam,

XX XX XXXX

Warm Greetings.

We understand that a substantial number of alumni of our institution are working in your company/organization. We sincerely register our thanks for recruiting them and making them a part of your dynamic organization.

We are interested in understanding the performance of our alumni as employees of your organization. We are dedicated to the continuous improvement of the programmes that we offer. The information that you provide through this survey will be very helpful in this process.

We request you to kindly provide your feedback based on a collective observation about our alumni. We believe that your feedback will help us to serve the current students better.

Thanking you,

Yours sincerely,

Head of Department

Coordinator/ Academic Corporate Relations

Feedback

1. Name of the Organization: _____
2. Number of Alumni of our institute presently working with you: Number: _____; UG/PG: _____
3. Please give your observations by selecting the appropriate box:

		Very Good (VG); Good (G); Average (A); Satisfactory (S); Needs Improvement (I)				
S.No.	Criteria	VG	G	A	S	I
1	Knowledge in the Fundamentals of Science & Engg.	☐	☐	☐	☐	☐
2	Problem Solving Ability	☐	☐	☐	☐	☐
3	Ability to apply knowledge	☐	☐	☐	☐	☐
4	Demonstration of practical skills	☐	☐	☐	☐	☐
5	Communicative ability(written &spoken)	☐	☐	☐	☐	☐
6	Deriving benefits through trainings	☐	☐	☐	☐	☐
7	Interpersonal skills	☐	☐	☐	☐	☐
8	Skill in Handling Modern Tools and Software	☐	☐	☐	☐	☐
9	Ability to work in teams	☐	☐	☐	☐	☐
10	General commitment to profession and ethics	☐	☐	☐	☐	☐
11	Humanitarian Outlook (Concern for the society and the environment)	☐	☐	☐	☐	☐
12	Quest to Learn More	☐	☐	☐	☐	☐

Suggestions for further improvement in the functioning of the college

Annexure (iii)

Sample of feedback analysis

Department of Electronics and Communication Engineering

1. Parents Feedback Analysis (2014-2015)

S. No.	Criteria	Feedback
1	Imparting Knowledge (as understood by you)	84.00
2	Communication with Parents	74.00
3	Marks Reporting System	89.00
4	Attendance Reporting System	80.00
5	Career Counseling and Training	76.00
6	Placement Activities	87.00
7	Class Room Facilities	84.00
8	Laboratory Facilities	82.00
9	Extra-Curricular Activities (Sports/NSS/NCC/Cultural activities etc.)	89.00
10	Co-curricular Activities (Association / Clubs / Seminar / Conference etc.)	82.00

2. Employer Feedback**Consolidation from Questionnaire response collected from Industry**Name of the Companies given feedback

- 1.Centum Rakon India (P) Limited
- 2.Data patterns India Private Limited
- 3.E Control Devices
- 4.Robert Bosch Engineering and Private Limited (RBEI)
- 5.Smart auto Software Solutions
- 6.Wipro Technologies
- 7.Pricol Technologies

S.No.	Question	Feedback From Industry
1	Major business domains	Embedded development, Signal Processing, SCADA, Process Automation, Micro Electronics, solid state relays, power relay, Telecom and Power products.
2	Basic Qualification of fresh recruits	UG Engineering, PG Engineering
3	Roles assigned to fresh recruits	Interns, Design Engineers entry level, Testing Engineer, Technical support.
4	Major concerns with respect to freshers	❖ Sharp ramp up required ❖ Time management & planning ❖ Get results ❖ Good Communication Skills ❖ Fundamental Knowledge in electronics
5	Soft skills Essential for entry level recruits	❖ Communication (clarity in expression and grammatically error free statements) ❖ Presentation ❖ Creativity ❖ Intention to help the peers ❖ Flexibility to work as team ❖ Professional Ethics has to be improved ❖ Basic programming skills in the basic language have to be improved

6	Commitment to work observed in fresh recruits	Generally fair
7	Is the company interested in partnering with MCET	May be in future.
8	Regulatory dress code being followed?	Yes.
9	Issues related to Mental and Physical fitness of fresh recruits	Rare cases may encounter fitness problems.

3. Students Feedback (2014-2015)

A. Assessment of learning ambience and facilities at MCET

(Assessment on a Max. Score of 5)

S. No	Criteria	Feedback
1. Quality of instructions and support for learning by faculty & staff members		
1	Basic sciences (Mathematics, Physics, Chemistry)	4.17
2	Foundation courses in engineering	3.71
3	Applied and specialized courses in engineering	3.59
4	Computers (Programming and use of software)	3.56
5	Humanities and management courses	3.65
6	English	3.86
7	Support given by technical and supporting staff in Engg.	3.83
8	Mentoring by faculty with respect to academic planning	3.81
9	Treatment by Principal, HoD and other staff	3.60

...contd

2. Facilities for Academics		
10	Class rooms and tutorial rooms	3.93
11	Multimedia facilities in class (like LCD projectors, videos)	3.71
12	Basic Sciences lab	3.79
13	Engineering lab (and workshop)	3.82
14	Computer, internet and intranet facilities	3.57
15	Libraries with personalized study space	4.02
16	Value added programmes	3.66
17	Specialized centres for projects and research	3.42
18	Computer and CDs for self learning in library	3.31
3. Academic Services		
19	Exam cell	3.72
20	Training cell	3.65
21	Library staff service	3.76
22	Career planning and guidance	3.62
23	College Office for information	3.49
24	Students services through Students Guild	3.43
25	Grievances redressal	3.42
26	Books and stationeries depot & reprographics	3.88
3. General Facilities		
27	Sports & games, Gymnasia	3.89
28	Cafeteria	3.30
29	Clubs for personality development (like Fine Arts)	3.78
30	Medical	3.13
31	Transport	3.51
32	Bank, ATM, Post office and travel bookings	3.49
33	Parking	3.55
34	Locker facilities	3.45

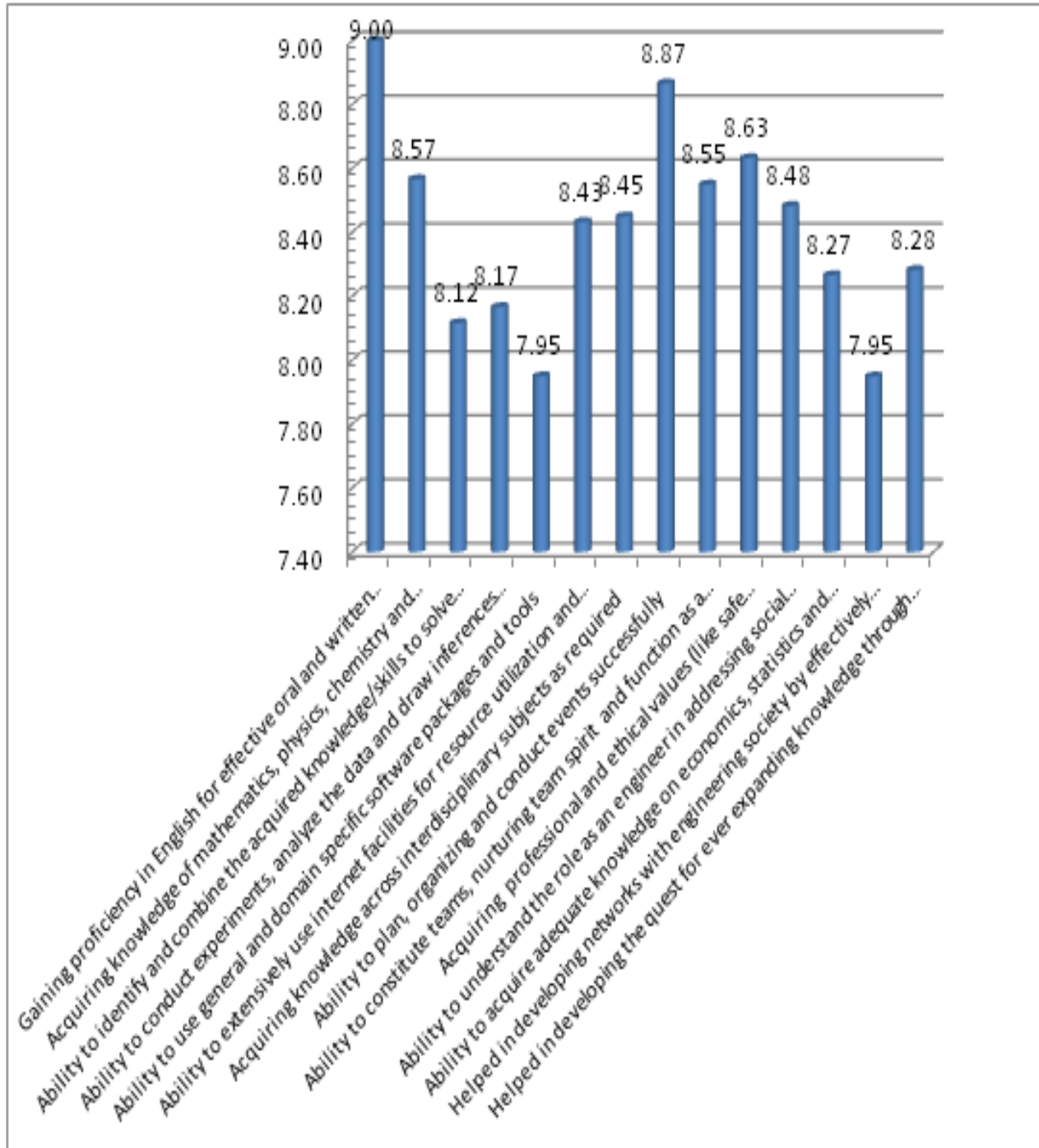
B. Assessment of Accomplishments

S. No	Criteria	Feedback
1	Gaining proficiency in English for effective oral and written communication	3.97
2	Acquiring knowledge of mathematics, physics, chemistry and engineering	3.88
3	Ability to identify and combine the acquired knowledge/skills to solve real world engineering problems	3.64
4	Ability to conduct experiments, analyze the data and draw inferences from the experiments	3.56
5	Ability to use general and domain specific software packages and tools	3.62
6	Ability to extensively use internet facilities for resource utilization and professional development	3.47
7	Acquiring knowledge across interdisciplinary subjects as required	3.59
8	Ability to plan, organize and conduct events successfully	3.73
9	Ability to constitute teams, nurturing team spirit and function as a team leader and member	3.62
10	Acquiring professional and ethical values (like safe practices, professional ethics, social conduct)	3.77
11	Ability to understand the role as an engineer in addressing social issues and contributing for social development	3.60
12	Ability to acquire adequate knowledge on economics, statistics and environment for developing effective engineering solutions	3.68
13	Helped in developing networks with engineering society by effectively utilizing the professional bodies	3.61
14	Helped in developing the quest for ever expanding knowledge through life-long learning	3.48

4. Alumni Feedback - Analysis

S.No.	FACILITIES	Feed Back
1	Class room facilities	Good
2	Laboratory facilities	Good
3	Multimedia facilities for learning (like LCD projectors, videos, etc)	Good
4	General amenities (Cafeteria, drinking water, wash room, medical, etc)	Good
5	Library facilities	Very Good
6	Research labs/ facilities for doing project	Average
7	Sports and Gym facilities	Good
8	Hostel facilities (if you had been hosteller)	Good
II	FACULTY (Evaluation of all faculty put together)	
1	Academic standing	Good
2	Teaching and class room management	Good
3	Commitment to guide students for higher levels of learning (projects, presentations, publications, etc)	Good
4	Acquiring current knowledge	Good
5	Cordiality and accessibility	Good
III	CAREER PLANNING AND GUIDANCE	
1	Trainings for placement	Good
2	Personality development programme	Good
3	Trainings in sports / games (if applicable to you)	Good
4	Coaching for admission to higher studies	Good
IV	GENERAL ADMINISTRATION	
1	Dissemination of relevant communications (from govt., univ., other colleges, companies, etc.)	Good
2	Redressal of legitimate grievances	Good
3	Encouragement to try novel ideas in college	Good
4	Flexibility in administration wherever possible and needed	Good

Assessment of Accomplishment of outcomes
Department of Electrical and Electronics Engineering



Students feedback on faculty

Dr. Mahalingam College of Engineering and Technology - Pollachi - 642 003

ANALYSIS OF STUDENTS FEEDBACK (Summary Sheet)

Programme : Mechanical Engineering

Current year/ Semester : II yr/4th

Batch : 2013

Name of faculty evaluated : Mr. S.Ayyappan

Course : Thermal Engineering

SINo	Group	Avg score	Group score
Teaching effectiveness (Max Score 60)			56.01515
1	Is punctual to the class	4.848485	
2	Follows a teaching plan and highlights the objectives of learning	4.787879	
3	Is able to teach with good depth and applications	4.787879	
4	Has good communicative ability	4.742424	
5	Teaches the subject in a clear and logical manner	4.742424	
6	Writes and draws clearly and legibly on the black board	4.80303	
7	Stresses important points during teaching	4.742424	
8	Gives examples, analogy and applications that are relevant to the content	4.666667	
9	Uses teaching aids like charts, ppts, videos whenever appropriate.	4.227273	
10	Gives additional inputs and references for further learning	4.515152	
11	Teaches at an appropriate pace (neither very slow nor very fast)	4.636364	
12	Uses case studies, group discussions, solved examples and exercise problems for better understanding	4.515152	
Evaluation & Motivation(Max Score 20)			18.16667
13	Encourages the students to ask questions and facilitates class room discussion	4.5	
14	Sets questions at the appropriate level of difficulty to answer	4.621212	
15	Values answer papers impartially and returns promptly.	4.636364	
16	Gives feedback about performance in the answer script and discusses the same in class	4.409091	
COMMITMENT AND CONCERN (Max Score 20)			18.4697
17	Teaches beyond syllabus for career development	4.560606	
18	Is honest, flexible and approachable and maintains class room discipline	4.712121	
19	Appreciates good performance of students and offers guidance for improvement	4.590909	
20	Helps in the overall development (character and personality) of student	4.606061	
Total Score (Max 100)			92.65152

Signature of faculty (after seeing the evaluation):

Date:

Dr. Mahalingam College of Engineering and Technology

Dr. Mahalingam College of Engineering and Technology - Pollachi - 642 003

ANALYSIS OF STUDENTS FEEDBACK [Practical subject]

Summary Sheet

Programme : Mech

Current year/ Semester : IIIyear A/6th

Batch : 2012

Name of faculty evaluated : Mr. S.Ayyappan

Course : Heat Power Laboratory

SINo	Parameter	Avg score(5)
1	Is punctual to the lab classes	4.78125
2	Issues handouts/lab manuals well in advance	4.625
3	Gives the introduction of the exercises/experiments highlighting their aims	4.875
4	Gives clear instructions for doing each experiment	4.84375
5	Helps students in relating the experiment with the relevant theory already learnt	4.84375
6	Goes around the lab and monitors students when they are doing the experiment	4.71875
7	Asks questions to check students understanding of the experiment and its purpose	4.8125
8	Insists on timely submission of observation/record note	4.8125
9	Takes sufficient time for correcting observation/record note and indicates the corrections	4.8125
10	Appreciates innovative performance of students	4.75
Score (50)		47.875
Total Score (Max 100)		95.75

Signature of faculty (after seeing the evaluation):

Date:

Annexure (iv)

Academic Calendar for IQAC Activities

S. No	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	IQAC Council Meeting			IQAC Council Meeting			IQAC Council Meeting			IQAC Council Meeting		
2												
3									Process of Restructuring the Curriculum and Syllabus for Civil, IT and circuit streams based on Outcome Based Education.			
4									Pedagogy works hop	Orientation for faculty on quality teaching		
5								Career orientation				
6												

Annexure (v)

Extension Activities

The following **Career Guidance programmes** were organized by Mr. S. Nagarajan, Project Officer, MCET - Extension Services Department & Sakthi - PURA jointly with the NSS, NCC YRC and RRC wing of the college.

- At Kanjampatti on 20 August 2014. 150 Students in 11th and 12thstd of Government Higher Secondary School, Kanjampatti participated and benefited.
- At Somanthuraichittur on 21 August 2014. Totally 120 students in 11th and 12thStd of Government Higher Secondary School, Somanthuraichittur attended the programme
- At Palanigounder Higher Secondary School on 22 August 2014. 10 NSS Volunteers conducted it and totally 400 students participated and benefited.
- At Rukmaniammal Higher Secondary School, Pollachi on September 09 2014. Totally 130 students in 11th and 12thStd received benefits.
- At Mariammal Girls Higher Secondary School, Pollachi on 10 September 2014. 150 students of the school participated in the programme.



- Eye Camp was conducted at Centenary Centre of Nachimuthu Polytechnic College on 15 September 2014. The programme was organized by Dr. Mahalingam College of Engineering and Technology, Extension Services Department – Sakthi PURA, YRC/

RRC, and Aravind Eye Hospital, Coimbatore. Dr. Preetha, Aravind Eye Hospital, Coimbatore examined the patients. Around 150 students and faculty members were benefited.

- Dengue Fever Awareness Programme was held on 30 October 2014 organised by Dr. Mahalingam College of Engineering & Technology. Dr. Manivannan, Nodal officer of the Dengue Fever Awareness Programme, Thiru. Vetrivel, Thiru. Mohanraj and Dr. Yoganathan participated in programme. Totally 450 students of Palanigounder Higher Secondary School, NSS & NCC Students, Community Development Consultant Students and Staff members participated in this programme.
- Inauguration of solar tunnel dryer at Cheripalayam and G. Kaliyapuram, Kappalankarai and Nallampalli, Palanigoundenpudur and Negamam on 20 – 21st November 2014. Tmt. Shobana Bhaskaran, Scientist ‘E’, Science for Equity, Empowerment & Development (SEED) Division, Department of Science & Technology, New Delhi was the Chief Guest. This programme was organized by DST Project Team of Dr. V. V. Sree Narayanan, Dean, Mechanical Engineering, and associated faculty and staff members of the college. About 60 Farmers were benefited through their active participation. Around 325 farmers were benefitted by the programme.
- Health Awareness programme on “Drugless Self Cure” was held on 26 November 2014. Thiru. Manosakthi Masilamani, Director, Mind Training Institute, Thiru. D. Balachandar, Director, Thiru. Anandam Arogyam and Thiru. S. Vedapuri, P.R.O. were chief guests. Totally 450 members of Community Development participated in this programme.
- Virgin Coconut Oil, Vinegar Preparation from Matured Coconut & Coconut Water and Solar Tunnel Dryer Demonstration programme was conducted at Negamam Extension Centre on 29 November 2014. Tmt. K. Sharmila Devi, Instructor, Cutting & Tailoring, Ms. T. Ramya, Instructor, DTP Operator, Tmt. M. Selvi, Instructor, Tmt. D. Rajeswari, Instructor, Cutting & Tailoring, Kondegoundenpalayam, Tmt. M. Maheswari, Instructor, Cutting & Tailoring, Mariammal Girls Higher Secondary School, Tmt. M. Leelavathi, Instructor, Cutting & Tailoring, Vadakkipalayam, Ms. N. Aruna Devi, Instructor, Computer Application. Totally 15 members benefited.
- Entrepreneur Awareness Programme was held on 23 January 2015. Thiru. R. H. S. Subramanian, Principal, Khadhi Gramodyog Vidyalaya, Tirupur and Thiru. S. Sastha, Senior Technical Instructor, Khadhi Gramodyog Vidyalaya, Tirupur were the Chief Guests. About 150 people attended and benefited.

- A Medical Camp was held on 22 February 2015. Dr. S. Murugaiyan, Director, KMC, Pollachi, Dr. Varatharaj, Director, Sindhiya Hospital, Pollachi, Dr. Fareeth, Director, Maharaja Dental Hospital, Pollachi examined the patients. Totally 150 patients were benefited in this camp.
- Tree Plantation programme was conducted at Kanjampatti Govt. Higher secondary school, Kanjampatti on 24 February 2015. About 50 saplings were planted (Neem, Pongan, Alangara and Kondrai).
- Awareness programme on Water Testing was held on 12th March 2015. Mr. P. Elango, Executive Engineer and Thiru. Sasidharan, Assistant Executive Engineer, TWAD were the chief guests. About 400 people participated in this function.
- Merging of Aathar Card No and Voter ID was done in Website through Computer from Tasildhar Office, Pollachi on 30th April, 2015.





Annexure (vi)

National Cadet Corps (NCC) and National Service Scheme (NSS) - Important Activities

(i) NCC – Activities Conducted

Photo	Events
	“Yoga Awareness Programme” for NCC cadets was conducted on 26 April 2015 in view of celebrating International Yoga Day- June 2015.
	Rally and cleaning work on “Conservation of Water bodies and waste management” was organised on 12 March 2015 under Swachh Bharath Abhiyan/Rural Sanitation scheme.
	Independence day parade was held in the presence of Mr. V. Kovaichelvan, Sr. Vice President (HRD), TVS Motor Company, Hosur, Tamilnadu.
	Republic day Parade was held in the presence of Mr. R. Manivannan, Principal, Nachimuthu Polytechnic College, Pollachi – 624 003.

	“Conservation of Water bodies and waste management” under Swachh Bharath Abhiyan/Rural Sanitation scheme was held on 12 March 2015.
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NSS – Activities Conducted

Photos	Events
 	Blood donation camp was held at the campus on 15 August 2014, and 110 units of blood were donated to Government Hospital, Pollachi.
	On account of NSS day celebration, NSS Day pledge was administered by our NSS volunteers at our college campus on 24 September 2014. 200 NSS volunteers of our college attended this program and taken the NSS day pledge.
	NSS volunteers of MCET visited an orphanage “SNEAHALAYAM” at Ayyampalayam village near Pollachi on 18 October 2014 and also provided the people with lunch, 3 bags of rice for 90 mentally challenged people at the orphanage.

	“Dengue Fever Awareness Program” was conducted at C.S hall in MCET Campus and Health Inspectors from Government Hospital, Pollachi provided awareness on the channels of Dengue fever and the precautionary measures to be observed. It was held on 30 October 2014 and 100 NSS students were the participants.
Ten NSS volunteers of First year B.E/B.Tech. classes attended the Motivational Programme titled “VetriVaasal” at Coimbatore Institute of Technology, Coimbatore on 21 December 2014.	
 	Tamil Nadu Tourism Board & Media box Pvt Ltd, Chennai, organized Hot Air Balloon Festival at the college campus from 28 to 31st Jan 2015. 74 NSS volunteers acted as cabin crews in this programme.
 	Motivational Programme on “Development of Leadership qualities” was conducted by NGM college, Pollachi on 5 February, 2015 and NSS coordinator Mr. J. Manivannan and 50 students of First year B.E/B.Tech Classes of MCET attended this programme.

	“Kayakalpa Yoga Programme” was conducted by “Arivu Thiru Kovil” at CS hall, MCET campus on 14 February 2015. NSS volunteers and First year B.E/B.Tech students attended this program. About 800 students got benefited.
	The College NSS Unit conducted NSS Special Camp at Kanjampatti & Nambiamuthur village Pollachi (TK) from 18 to 24 February 2015. 100 NSS volunteers from 2nd year B.E/B.Tech classes participated in the special camp.
 	The following programmes were conducted at Kanjampatti & Nambiamuthur village on 19 February 2015 in the NSS Special camp ➤Awareness programme on organic foods. . ➤Cleaning the school campus ➤Tree Plantation on the School campus

Annexure (vii)

Students Activities

	Events
 Lights Camera Action MCET Azure video, Broadcasting and Media Production Unit, Film and Television Studio in association with the Students' Guild of Service conducted a telephonic interview for the interested people in theatrical ad-film making on January 28, 2015.  Read A Book MCET Azure video, Broadcasting and Media Production Unit, Film and Television Studio in association with the Students' Guild of Service conducted a telephonic interview for the interested people in theatrical ad-film making on January 28, 2015.  Wear A Helmet MCET An awarness campaign on wearing helmets was conducted in the campus through out the month of September and October 2014.  #VanakkamMCET First impression is the best. To start the day on a positive note, inspirational quotes were shared to every MCET-ian in the odd semester. MCET TIMES 09	1.Efforts to motivate the student community to inculcate the habit of reading book was taken via the “book bucket challenge” on 19th August 2014 1.1 The importance of wearing helmet was emphasised with the programme on “wear a helmet campaign” 1.2 A provoking thought has been given each day by the students 1.3 “Illuminating ideas” - Personalities of varied expertise have been invited to interact with the students since August 2014
Moments  innovative ideas MCET TIMES 32	



#MCETVarnam
Social Causes



Happy is a man who makes living out of his hobby. We used his platform to expose the various hobbies that our friends can adopt, the benefits of killing the time in a productive way. To spread this initiative, we have started this campaign #DevelopAHobbyMCET which will run through out.

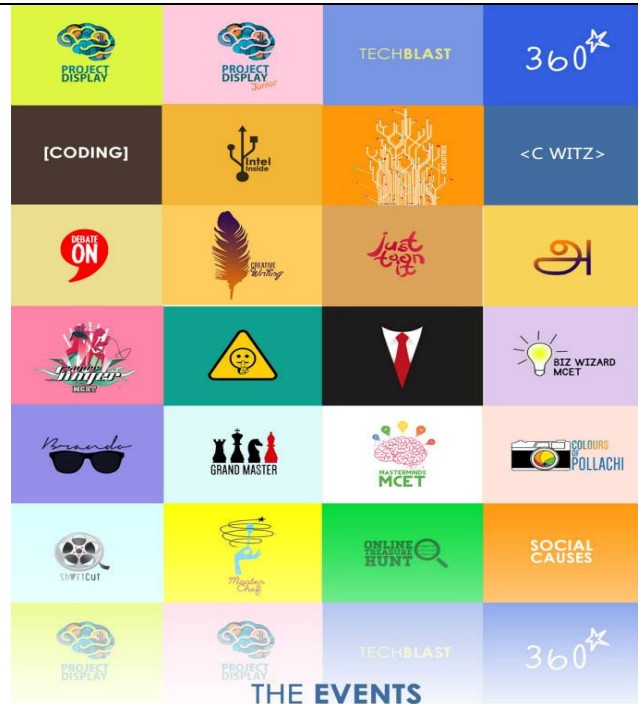
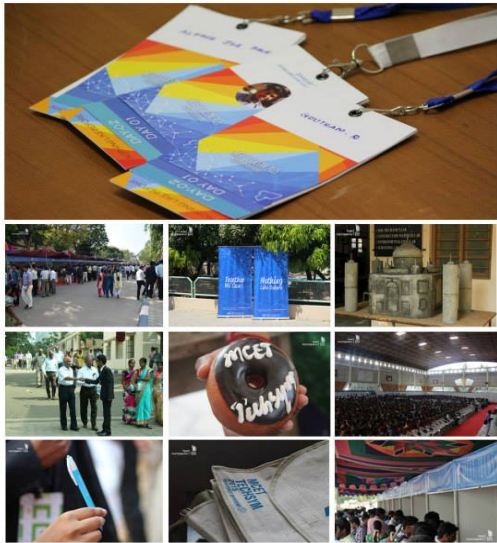


The love for your parents is the best thing in the world and there is nothing above their love. Start this campaign and see how they cherish this. They demand nothing from you. All you can give them is respect and love. Be a part of this beautiful campaign and make it a habit.

1.4 “*Shutterbugs*” - The students have been given a platform to exhibit their photographic skills every month on a unique theme since July 2014

2.”*Varnam an Intra collegiate symposium*” was conducted on 25th October 2014. It was an encase of

- 1.Respecting parent hood
- 2.Developing a hobby

 THE EVENTS	2.2 “<i>Varnam</i>” had different genres of events that brought out the talents in MCETians in a positive way.
Day 01  MCET TIMES 56	3 A national level technical symposium “<i>MCET TECHSYM</i> “ was organised on 14th March 2015 3.1 MCET TECHSYM showcased <i>vintage cars</i>

YOUTH PARLIAMENT

EPOCH-2015:

The month of September began with the remarkable event “**EPOCH-2k14**” for Youth Parliament (YP). The event is an important page in our book of history making and hence the name “Epoch”. It is not just about debating as a club but playing the role of the democratic rulers and then speaks out in their style via our trademark event “Parliamentary Debate”.

We had a preliminary debate on 3rd September to screen the Parliamentarians to hold seats as ministers in our Parliament that follows all the etiquettes which are a cliché in the real Parliament.



The event was judged by the experts from the English department Mrs. Karpagam and Mrs. Arunadevi and our faculty advisor Mr. Mohankumar, Deputy Placement Officer was the special jury for the day. With no speck of injustice the parliamentarians were crowned with the titles for their staged skills, based on their cumulative scores in the prelims and finals.

DHURYA-2K15:

An inter-college literary fest DHURYA-2K15 was organised and more than 100 students from various colleges participated. Dhurya was a cluster of five events which tested both communication skill and IQ of the students. The overall championship was won by IRTT College, Erode.

BHASHAN-2K15:



On 7th February 2015 a motivational workshop BHASHAN-2K15 was organised and students of our college were participants. The speakers were Mr. Balaji, the Correspondent of Shanthi Schools and Mr. Senthil Kumar, Coordinator - Vivekananda Kendra Kanyakumari. They spoke on the role of youth in modern India. The response from the audience was overwhelming and everyone felt that their words were very valuable.

FILM CLUB



Prime objective of the Club:

The activities carried out by the film club will encourage students to develop a different perception of life and practice their communication skills. The films can enhance the students' reading skills by watching the films with subtitles.

VARNAM 2014:

During the intra-college symposium, 'VARNAM' FILM CLUB along with Students Guild of Service organized a short film contest for students to bring out their skills in film making. More than 15 entries were received on various social issues such as eye donation, education to all and various other personal aspects such as friendship, betrayal etc. Among all the entries, the short film presented by 3rd year CSE students created awareness on eye donation and bagged the first prize. All participants were provided with certificates

READERSPARK

UNESCO statistics reveals that every individual should have read 2000 pages per year whereas in India, only 32 pages per year have been read by an individual.

In the view of encouraging our readers and inculcate new readers to our society in future and also in embarking the personality skills, the Central Library has started "**ReaderSpark**" in the year 2011. It is designed to encourage youth to read for pleasure, develop attitude and to promote library usage. We collected interested students name list from all the departments. Information regarding the Readers club activities will be communicated through the Office barriers and Notice board (SGS & Library). At the end of the semester, the prize and certificate will distributed to the active participations.

EVENTS:

- Book Review
- Debate
- Skit
- Motivational Speech

- Video Session
- Authors and their books
- Script Writing
- 1 minute talk
- Essay Writing
- Information Sharing



CRUSADE (Students' contribution to college e-magazine)

IN THE LAP OF THE MOTHER NATURE (S. NANDHINI – ECE - 3rd YEAR)

Five years ago, I with a team of ten members, were taken into a less dense forest. At that time I was doing my tenth standard. All the schools in Kotagiri (a town in Nilgiris) were asked to send certain group of students to the forest to learn the importance of preserving the nature and I was one among the people who were selected for that task. I would say at first it was nomination by the school but once I

entered the forest I thought I would volunteer any time for a trekking. I bet we had a great time there and it was like as if I'm lying in the lap of Mother Nature in great silence but the chirping birds, the whizzing air and the crawling insects, never ceased to go in silence.

We were guided by two members from environmental protection groups. They took us into an area of the forest, called "Long-Wood Solai" with initial instructions. Then we were informed that we were not supposed to create a new path but follow

only the one which already existed. If we were to see a different creature, we were asked to produce a sound as they do or just blow a whistle.

One of the boys from our group saw a five coloured parrot. He mimicked the parrot's sound and pointed his hand towards its direction. We all looked at it and enjoyed the beauty of the bird. Next was a thrilling experience because we saw the foot prints of a bear. On looking at the foot prints, the guide told us that it had been there a moment ago.

Then we were taken to a sloppy grassland region and asked to meditate there. The only sound that we could hear was the rustling of leaves and the roaring of winds. It was a great experience and I felt that I was so lucky to have Nilgiris as my native.

THE TRUE ENJOYMENT IS ONLY IN
THE LAP OF MOTHER NATURE.

GO GREEN THINK GREEN ACT GREEN

SKY IS NOT THE LIMIT (A.ZEBA
FARZEENA – IT FINAL YEAR)

The one way mission to mars proposes that the astronauts and common people who travel to Mars for the first time should stay. Stay in Mars missions are advocated both to

reduce cost and to ensure permanent settlement in Mars. Since returning from the surface of Mars is one of the most difficult parts of a Mars mission, the idea of a one-way trip to Mars has been proposed. Under Mars to stay mission architectures, the first humans to travel to Mars would be a six-member team. After the initial landing, subsequent missions would raise the number of people going to Mars to 30, thereby beginning a Martian settlement.

The plan is to send a communication satellite and pathfinder lander to the planet by 2016 and after several stages; four humans are about to land on Mars for permanent settlement in 2023. A new set of four astronauts would then will arrive every two years. There have been 200,000 applications, of which 1058 succeeded the first qualification round.

At the end of each 550 day period, if no adverse health effects were observed, settlers would continue research and construction through another 550 day period. In the meantime, additional crews and supplies would continue to arrive, starting their own 550 day evaluation periods. Health tests would be repeated during subsequent 550 day periods until the viability of human life on Mars was proven. Once settlers determine that humans can live on Mars without negative health effects,



emergency return vehicles would be recycled into permanent research bases.

Humans emigrating to Mars, under this paradigm, are presumed to build habitat construction, crop growth, generating global warming to create water cycle and finally have an industry. It is assumed that the planet will be a magnet for settlers as wage costs will be high. Because of the labour shortage on Mars and its subsequent high pay-scale, Martian civilization and the value placed upon each individual's productivity is proposed as a future engine of both technological and social advancement.

Thus the development of science and technology has reached beyond boundaries. Now it is in our hands to take it as an example that “sky is not the limit”. If an idea and desire to achieve is in our minds then surely there is a way to succeed. As young engineers, we should be confident, motivated and follow our dreams to see the fruit of success.



Annexure (viii)

Faculty Development, Guest Lectures and Seminars

Department of Mechanical Engineering				
S. No	Name of the Industry Resource Person	Designation	Company Address	Date of Lecture
1	Dr. P. Parameswaran	Program leader	Physical Metallurgy group, IGCAR, Kalpakkam	24/4/15
2	Mr. S. Venkatraman	Retd. Naval Officer	Indian Navy	19/02/15
3	Dr. S. JacobK.Annamalai	Principal Scientist and Head	Central Institute for Agricultural Engineering, Coimbatore.	16/10/14
4	Mr. A. Gomathinayagam	Manager, Design & Analysis	Product development centre, Larsen & Toubro Ltd, Coimbatore	21/08/14
Department of Automobile Engineering				
1	Dr. N. Kulasekaran	Assistant General Manager	Chrysler Automobiles India Pvt Ltd, Chennai	08-04-2015
2	Mr. H. Ramasubramaniam	Senior General Manager	Advanced Engg Brakes India Ltd, Chennai	08-11-2015

Department of Civil Engineering				
1	Mr. A. Saravanakumaran	Director	GATE Forum, Coimbatore.	11.02.2015
Department of EEE				
1	Mr. Saravanakumar	CDAC	Centre for Development of Advanced Computing (C-DAC), Tiruvanathapuram	22.11.2014
2	Mr. B. Somasundaram	Manager, Plant Engineering Dept	ZF Wind power, Coimbatore	22.11.2014
3	Mr. S. Karthik	Manager R&D	Ampere Vehicles Pvt Ltd, Sulur, Coimbatore.	12.05.2015
Department of ECE				
1.	Mr. V. Dasarathan	RF consultant	Linx Technologies, USA	08.08.2014
2.	Mr. P. Salil	Scientist - D	SAMEER- Centre for Electromagnetics. Vice-Chair, IEEE EMCS Madras Chapter.	10.02.2015
3.	Mr. P. Sivakumar	Scientist – B	SAMEER – Centre for EMC ² , IEEE EMCS Chapter.	10.02.2015
4.	Mr. Swaminathan Maran	CEO	Arobot, Chennai	24.02.2015
5.	Mr. John Kennedy	Executive Director	CIRCA Equipments Pvt Ltd, Chennai	18.04.2015

Department of ICE				
1	Mr. Y. Syed Ibrahim	M.D and CEO	Mecton training and technical services, Chennai	16.07.2014
2	Mr. S. Radhakrishnan	General manager	Mecton training and technical services, Chennai	16.07.2014
Department of EIE				
1	Er. T. Yogachandran	Assistant Plant Engineer Instrumentation (APE-I)	TNPL, Kagithapuram, Karur district, Tamil Nadu, 639 136	25.07.2014
2	Mr. L. Jagadeeshwaran	Proprietor	IMIK Technologies, Coimbatore	24.01.2015
Department of CSE				
1	Mrs. Indu Padmanaban	VP & HR	Impiger Technologies, Chennai	07.07.2014
2	Mr A.Ashok	Manager	Logic Genie Softwares, Coimbatore	04.08.2014
3	Sukriti Sharma	Technology Evangelist at Microsoft	Microsoft, Hyderabad	09.09.2014
4	Mr.Balachandar Nagarajan	IBM Mainframe Application Developer	L&T Info Tech, Chennai	20.09.2014
5	Mr Rakesh & Ms Hema	R&D Engineer	3*3 Connect, Hyderabad	09.01.2015 & 10.01.2015
6	Mr.Neeraj Kumar & Mr.AnkitAgarwal	Trainers	CISCO, Bangalore	05.03.2015 & 06.03.2015
Department of Information Technology				
1	Mr. BhuvanSundarHarnath	Software Engineer	Wipro, Bangalore.	06.01.2015 & 07.01.2015
2	Ms. M. Sowmiya	Software Engineer	Robert Bosch, Coimbatore.	21.02.2015
3	Mr. B. Raghuram	Co-Founder	Innoventees technology, Bangalore.	19.02.2015
4	Mr. R. Dinesh Kumar	Senior System Engineer	Infosys Limited, Mysore.	19.09.2014 & 20.09.2014
5	Mr. Balaji Venkateshwar	CEO	Secure Matrix India Pvt. Ltd, Mumbai.	22.09.2014
6	Mr. Arunbalaji Selvaraj	Senior Researcher,	Secure Matrix India Pvt. Ltd, Mumbai.	11.08.2014
7	Mr. K. Shanmuganathan	Test Engineer,	Thinksoft Global, Chennai.	12.08.2014
8.	Ms. B. Sindhuja	Software Engineer,	NTT Data, Bangalore.	08.08.2014

9	Mrs. Indu Padmanabhan	Vice President – Human Resources,	Impiger Technolgies, Chennai.	07.07.2014
11	Mr. M. Manojkumar	Software Engineer	Veryx Technologies, Chennai.	20.07.2014
Department of Computer Applications				
1	Sabarish Kumar	Security Consultant	Infosys Ltd, Chennai	26.07.14
2	Mrs. Vinothini Raju	Founder & CEO	TROV-Bangalore	27.08.14
3	Mr. N. Thangaraj	Team Lead	HCL, Chennai	20.09.14
4	Mr. S. Syed Arifullah	Badsha Manager - Development & RAFMS	Mobily infotech India Pvt Ltd , Bangalore.	01.11.14
5	Mr. E. Mouliswaran,	Specialist in System Development	Verizon - Chennai	24.01.15
6	Mr.A. enuganaKrishnan,	Team Lead,	CTS, Coimbatore.	19-02-15
7	Mr. D. Siva Kumar	Lead Tech Support,	ABT INFO.NET – Pollachi	27.02.15
8	Mr. Giragadurai Vallirajan	Chief Technology Officer	Bluemic Technologies Pvt Ltd, Bangalore.	19.03.15

Number of courses conducted by Faculty to Industry Employees

S. No	Name of the Faculty acting as Resource Person	Designation & Dept	Name of the Company whose employees got the training	Number of employees who got training	Period of Training	
					From	To
Mechanical Engineering						
1	Dr. D. Shanmugam	Associate Professor Mechanical Engineering	Krones India Pvt Ltd	1	10/11/2014	14/11/2014
2	C. Selva Senthil Prabhu	Assistant Professor Mechanical Engineering	Mastermind	2	15/12/2014	17/12/2014
3	Dr. D. Shanmugam	Associate Professor Mechanical Engineering	AKG India Pvt Ltd	4	23/6/2014	15/9/2015
4	C. Selva Senthil Prabhu	Assistant Professor Mechanical Engineering	Caresoft Global Inc	1	08/01/2015	09/01/2015
5	C. Selva Senthil Prabhu	Assistant Professor Mechanical Engineering	Manscofluidtek Pvt Ltd	15	15/12/2014	20/12/2014
6	C. Selva Senthil Prabhu	Assistant Professor Mechanical Engineering	Master Mind Solutions INC	1	09/06/2014	14/06/2014
Department of Automobile Engineering						
1	Dr. K. Selvakumar, Mr. M. Thirunavukkarasu S. Ramachandran (Solid Edge ST5)	Associate Prof. Assistant Prof. Tech. Associate	Caresoft Global Pvt Ltd	8	Jan 2015	Jan 2015
2	Dr. K. Selvakumar, Mr. Deepak Chandra Sekaran, S. Ramachandran (NX 8.0 CAD)	Associate Prof. Assistant Prof. Tech. Associate	Caresoft Global Pvt Ltd	8	Jan 2015	Jan 2015
3	Mr. M. Thirunavukkarasu S. Ramachandran (Solid Edge ST5)	Assistant Prof. Tech. Associate	Caresoft Global Pvt Ltd	5	Feb 2015	Mar 2015

4	Mr. Deepak Chandra Sekaran, S. Ramachandran (NX 8.0 CAD)	Assistant Prof. Tech. Associate Automobile Dept	Caresoft Global Pvt Ltd	9	Feb 2015	Mar 2015
5	Mr. M. Thirunavukkarasu & S. Ramachandran (Solid Edge ST5)	Assistant Prof. Tech. Associate Automobile Dept	Caresoft Global Pvt Ltd	5	Mar 2015	Mar 2015
6	Mr. Deepak Chandra Sekaran & S. Ramachandran (NX 8.0 CAD)	Assistant Prof. Tech. Associate Automobile Dept	Caresoft Global Pvt Ltd	12	Mar 2015	Mar 2015



Signing of MoU with Roots Industry, Coimbatore



Mr. R. Shankar Narayanan, Chief Operating Officer, HaritaTechserv Limited, Chennai and Dr. M. Manickam, Chairman, NIA exchanging copies of MoU on 5.9.14.



Mr.A.K.Pattabiraman Accreditation Head, TCS addressing faculty Members



Dr. Hema, Vice President, TCS felicitated on the occasion of her Orientation Lecture to faculty on 25th April 2015.



Prof. C. Ramaswamy, Secretary, NIA Educational Institutions distributes certificate to AKG employee who completed training at MCET-TUV Rheinland Welding Centre.



Training to Caresoft Faculty members by MCET-SIEMENS Centre of Excellence for Digital Manufacturing.



External participants after finishing a course in Welding Centre at MCET.

Programs Organized through IIT Remote Centre



Two Week ISTE Workshop on Computer Programming for Engineering, Diploma and Arts and Science College Faculty members organized by IIT Bombay, sponsored by National Mission on Education through ICT, MHRD, New Delhi held at MCET from 20-05-2014 to 21-05-2014.



Two Week ISTE Workshop on Computer Networking for Engineering, College Faculty members organized by IIT Bombay, sponsored by National Mission on Education through ICT, MHRD, and New Delhi held at MCET from 30-06-14 to 5-07-14.



Two weeks ISTE Short Term Training Programme (STTP) on Pedagogy for Effective use of ICT in Engineering Education. (MHRD IITB). This STTP is split into two parts.
[A] Face to Face interaction at Remote Centers: 5th - 7th January 2015 and 19th - 21st January 2015.
[B] Online activities at own place: 8th - 18th January 2015 and 22nd - 31st January 2015.



Two Week ISTE STTP (MHRD IITK) on Introduction to Design of Algorithms was conducted from 25th to 30th may 2015.

Annexure (ix)

Linkages

S. No	Name of the Department	Name of the industry/University	Details of MOU signed	Date of completion
1	Automobile - MCET – Harita Techserv Research Centre.	Harita Techserv, Chennai.	Setting up of the MCET – Harita Research Center on seating and wiring harness development and digital manufacturing technology.	3 Years
2	EEE	M/s Reliable Solutions, Madathukulam, Udumalpet	This MoU will jointly offer the following services to the industries such as Energy audit, Power Quality Audit, Harmonics Mitigation and Energy Management System.	2 Years
3	CSE	Oracle WDP	Oracle Workforce development agreement to certifying the students for Oracle 10g course.	Ongoing
4	CSE	Microsoft Dream spark Yatra	Organizing the workshop, seminars and webinars pertaining to Microsoft technologies	Ongoing
5	ICE (Circuit Stream)	Mecton Training and Technical Services (MTTS)	MTTS agrees to provide training on “Certified Industrial Instrument Engineer” & “Certified Industrial Electrical Engineer” •II, III & IV year students are eligible for course admission. •Training will be conducted at MTTS Training center at Chennai.	28.12.2017
6	R&D	Society for Educational and Entrepreneurship Development (SEED)	Strategic planning for development, training of students, training of faculty etc.,	5 Years
7	EEE	Voltech Engineers Pvt.Ltd, Chennai	Training the students, soft skills, establishment of a better Industry-Institution collaboration, organize guest Lectures / symposium, faculty development programs etc.,	-
8	Mech	ROOTS Group of Companies	Exchange their expertise for mutual benefit and growth, in the areas and the terms specified	3 Years

.....contd

Abstract as on 21.09.2015

S. No	Name of the Department	Total No of MoU signed with Industry/University (Year Wise)					
		2008-09	2011-12	2012-13	2013-14	2014-15	Total
1	Automobile Engg	-	-	-	2	1	3
2	Mechanical Engg	-	2	1	1	1	5
3	CSE	-	-	3	4	2	9
4	IT	1	-	-	1	-	2
5	EEE	-	-	-	-	2	2
6	ICE	-	-	-	-	1	1
7	R&D	-	-	-	-	1	1
	Total	1	2	4	8	8	23

Annexure (x)

Welfare Schemes for Teaching Faculty

➤ Superannuation benefits of EPF, Family Pension Scheme
➤ Medi Guard Policy
➤ Employees Group Insurance
➤ Staff Family Benefit Fund
➤ Blazer – 50% of cost will borne by the institution
➤ Providing overcoat to all female staff, 50% of cost borne by the institution
➤ Reimbursing 50% Tuition fees in respect of those who have been permitted to undergo Regular Higher studies
➤ Providing Bus Facilities to our Staff and student who commute from various places to our institution
➤ Hygienic canteens for Staff / Student
➤ Offering Medical facilities to our Staff / Student and doctor is available in our institution
➤ Faculty Deputation – Training provided within and outside the country / Industry
➤ FDP Program sponsorship provided to Teaching / Non-Teaching staff
➤ Leave: CL, EL, Medical Leave & maternity Leave
➤ Vacation Leave (Summer, Winter)
➤ EL Encashment 9 days per year
➤ On Duty 21 days per Year for Teaching Staff
➤ Ph.D OD 14 days per year
➤ Bank Loan facilities
➤ Travel Desk – Ticket arrangements
➤ Internet Browsing
➤ Gratuity Scheme

Annexure (xi)

Welfare Schemes for Non-Teaching and Supporting Staff

➤ Superannuation benefits of EPF, Family Pension Scheme
➤ Medi Guard Policy
➤ Employees Group Insurance
➤ Staff Family Benefit Fund
➤ Blazer – 50% of cost will borne by the institution
➤ Providing overcoat to all female staff, 50% of cost borne by the institution
➤ Providing shoe once in 2 years, 50% cost of shoe or maximum Rs.500/- whichever is less.
➤ Providing Bus Facilities to our Staff and student who commute from various places to our institution
➤ Hygienic canteens for Staff / Student
➤ Offering Medical facilities to our Staff / Student and doctor is available in our institution
➤ FDP Program sponsorship provided to Non-Teaching staff
➤ Leave: CL, EL, Medical Leave & maternity Leave
➤ Vacation Leave (Summer, Winter)
➤ EL Encashment 9 days per year
➤ Bank Loan facilities
➤ Travel Desk – Ticket arrangements
➤ Internet Browsing
➤ Gratuity Scheme

Annexure (xii)

Welfare Schemes for Student

➤ Tamil Nadu State Government Scholarship for BC / MBC Welfare
➤ Tamil Nadu State Government Scholarship for SC / ST Welfare
➤ Minority Scholarship (Merit Cum Means Based Scholarship) for Minority welfare
➤ United India insurance Students welfare Scheme

Annexure (xiii)**Alumni Activities**

S. No.	Nature of Activity / Support	Events in Date-Wise	Venue & Date
1	Workshop	Training in Arduino 1. Mr. L. Jagadeeshwaran, IMIK Technologies	CS Hall & EIE - 24.01.2015
2	Interaction with students	1.Mr. Arul /AUTO Aadhithya Accessories, Coimbatore 2.Mr. Mohanraj/AUTO- FEA Engineer, Caresoft, Pollachi 3.Mr.Karthick Raja/MECH HCL, Chennai. 4.Mr.K.Sathish kumar/MECH Design Engineer, Caresoft, Pollachi	CS Hall - 10.02.2015
3	Interaction with students	1. Mr. M. MatharBadusha/IT, Director, Assistanz Networks Pvt. Ltd. Coimbatore.	CS Hall -12.02.2015
4	Interaction with students	1.Mr. T. Karthikeyan/MECH L & T Industries, Coimbatore 2.Mr. M. Arjun/MECH Entrepreneur (Pumps and valves industries), Coimbatore 3.Mr. K. Ajaykanth/MECH TCS, Chennai 4.Mr. K. Mohan kumar/MECH Pursuing Ph.D in IITM, Chennai	CS Hall -16.02.2015
5	Interaction with students	1.Mr. Krishnaraj/EEE Robert Bosch Coimbatore 2.Mr. Kannan /ICE Cameroon Technologies, Coimbatore 3.Ms. Surya/ECE Veryx Technologies, Chennai.	CS Hall -17.02.2015
6	Interaction with students	1. Guest Lecture - ECE - Department Association Mr. V. Shriram/ECE	EEE Seminar Hall - 25.02.2015
7.	Mr. Pongopinath	Placement Awareness Session	Programming Lab I - 05.07.2014
8.	Mr. Pongopinath	Workshop on Angular JavaScript	Programming Lab I - 16.08.2014

9.	Mr. Hariharasudhan Ramakrishnan	Interaction session on placement	CS Hall - 06.08.2014
10.	Mr. M.Muthukumar	Session on Web Designing	CS Hall - 11.10.2014
11.	Mr. Hemanathan	Entrepreneurship motivation talk	
12.	Mr. Pongopinath	Awareness on higher studies and placement	Programming Lab I - 08.01.2015

Annexure (xiv)

Career Orientation Programmes

Career Planning and Guidance (CPG) Services & Academic-Corporate Relations Initiatives

The Career Planning and Guidance (CPG) Division comprising of Training Cell, Language Learning Centre, Placement Cell, Higher Studies Cell, Centre for innovation, Business Incubation and Entrepreneurship (CIBIE) functions as a student centric body to guide and prepare the students for their chosen career path.

Understanding of the current industry trends and their expectations from fresh graduates are paramount to achieving a gainful employment. Thus CPG organizes Student Talent Enhancement Program (STEP) to I& II Year students when they enter their II & IV semesters. Senior professionals and executives from various industries were invited to interact with the students from the respective streams. STEP served to elucidate the business dynamics, current industry practices and their expectations from the freshly graduated Engineers and how they could acquire the relevant skills during their four years of study in the college.

Accordingly STEP orientations were organized as under:

S.No	Stream	2 nd (4 th Semester)	1 st (2 nd Semester)
1	Core Stream (Mech/Auto/Civil)	10 Feb' 15 (Tuesday)	17 Feb' 15 (Tuesday)
2	Circuit Stream (EEE/ECE/E&I/ICE)	11 Feb' 15 (Wednesday)	18 Feb' 15 (Wed)
3	IT Stream (CSE/IT/MCA)	12 Feb' 15 (Thursday)	19 Feb' 15 (Thurs)

Some of the industry interactions during STEP programme in 2014- 15 are detailed below. Many of these industry-institute interactions were organized through the initiatives of Academic-Corporate Relation's efforts.



Mr. S. Kameswaran VP, Servion, & Mr. Mathar Badusha Director Assistanz Networks in teractiong with IT Stream Students.



Dr. R. Mahadevan, Director, India Pistons Ltd, addressing students of Mechanical and Automobile Engineering students (Core Stream).



Mr. K.S.V. Vijayan Vice President of Voltech Engineers Ltd interaction with Circuit Stream Students.



A Section of the IT Stream students keenly listening to the Industry Experts



Student Talent Pool Development Training (STPDT) by Karnesa Consulting Engineers

Annexure (xv)**List of companies contacted for inputs on Curriculum Redesign****Departments of Mechanical and Automobile Engineering**

S.No	Company and Place
1	Larsen and Toubro Limited, Coimbatore
2	Ford India Pvt. Ltd., Chennai
3	Mahindra research valley, Chennai
4	India Pistons, Chennai
5	Roots industries India Ltd., Coimbatore
6	IndoShell Mould, Coimbatore
7	PetroFac Engineering Services India P. Ltd, Chennai
8	Renault Nissan Auto India P. Ltd, Chennai
9	Madras Cements Ltd., Chennai
10	Essar Steels, Gujarat
11	Flow Serve India controls P. Ltd., Coimbatore
12	Sakthi Auto Components, Erode
13	Generic CNC Engineers, Coimbatore
14	Sri Ganesh Ram Enterprises, Chennai
15	ELGI Rubber Company Ltd. Coimbatore
16	Fritzmeier, Chennai
17	GedeeWeiler, Coimbatore
18	Bimetal Bearings, Coimbatore
19	JP research India P. Ltd., Coimbatore
20	Soliton Technologies, Coimbatore
21	Capgemini, Chennai
22	Hepatica Technologies P. Ltd. Bangalore
23	Caterpillar, Chennai
24	iLenSys, Coimbatore
25	Geometric Ltd., Chennai
26	CareSoft Global Pvt. Ltd, Coimbatore
27	Zulaikha Motors, Chennai
28	Phillips Kiln Services India P. Ltd., Chennai
29	Tata Motors, Chennai
30	Concorde Motors, Chennai
31	Volvo Cars, Chennai

Departments of Circuit stream

S.No	Company and Place
1	AMD Semiconductors, Bengaluru
2	Cavium Networks, Bengaluru
3	IBM India (P) Ltd, Bengaluru
4	Voltech Manufacturing Company Ltd, Chennai
5	Yokogawa India Ltd, Bengaluru
6	Datapatterns India Private Limited, Chennai
7	Robert Bosch Engineering and Private Limited (RBEI), Coimbatore

8	Smartauto Software Solutions, Bengaluru
9	Wipro Technologies, Chennai
10	Centum Rakon India (P) Limited, Bengaluru
11	Robert Bosch Engineering and Private Limited, Coimbatore.
12	Smartauto Software Solution, Bengaluru
13	3s Technologies, Bengaluru
14	IAPL, Bengaluru
15	BSNL, Wandoor

Departments of IT stream

S.No.	Company Name & Place
1.	EMC Corporation, Bangalore
2.	Infosys , Mysore
3.	Oracle, Bangalore
4.	TATA Consultancy Services, Chennai
5.	Robert Bosch Engineering and Business Solutions, Coimbatore
6.	NTT DATA Global Delivery Services, Chennai
7.	IBM India, Chennai
8.	Veryx Technologies, Chennai.
9.	Data Cede, Chennai
10.	Wipro, Bangalore
11.	Servion, Chennai
12.	Sensiple, Chennai
13.	Impiger Technolgies, Coimbatore.
14.	Assistanz Networks, Coimbatore
15.	Amphisoft Technologies, Coimbatore
16.	Innoventees Technology, Bangalore
17.	Amachu Info soft Services, Chennai
18.	Linux Xpert Systems, Chennai
19.	Thinksoft Global, Chennai
20.	JIC Technology Pvt. Ltd
21.	Ardhika Software Technologies, Chennai