



Autonomous | Affiliated to Anna University, Chennai
Accredited by NAAC with 'A' Grade | Accredited by NBA (ECE, EEE, CSE and IT)

ANNUAL QUALITY ASSURANCE REPORT (AQAR)

**Academic Year
2017 –18**

SUBMITTED TO



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

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Abbreviations

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

The Annual Quality Assurance Report (AQAR)

All NAAC accredited Institutions are to submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the Institutional IQAC at the beginning of the academic year. The AQAR details the results of the perspective plan worked out by the IQAC of the institution during the academic year 2017 – 2018.

Part – A

AQAR for the year

June 1, 2017 – May 31, 2018

1. Details of the Institution

1.1 Name of the Institution

KARPAGAM COLLEGE OF ENGINEERING

1.2 Address Line 1

Myleripalayam Village

Address Line 2

Othakkalmandapam

City/Town

Coimbatore

State

Tamilnadu

Pin Code

641032

Institution e-mail address

principal@kce.ac.in

Contact Nos.

0422-2619041
0422-2619042

Name of the Head of the Institution:

Dr. P. VIJAYAKUMAR

Tel. No. with STD Code:

0422-2619030

Mobile:

9894994643

Name of the IQAC Director:

P.Sundaram
Associate Professor / Mechanical Engineering

Mobile:

8056128236

IQAC e-mail address:

iqac@kce.ac.in

1.3 NAAC Track ID

TNCOGN25084

OR

**1.4 NAAC Executive Committee No. &
Date:**

EC (SC)/11/ A&A/57.1
dated 19.01.2016

1.5 Website address:

www.kce.ac.in

Web-link of the AQAR:

www.kce.ac.in/ KCE_AQAR_2017-18.doc

1.6 Accreditation Details

S. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.32	2016	5 Years
2	2 nd Cycle	-	-	-	-
3	3 rd Cycle	-	-	-	-
4	4 th Cycle	-	-	-	-

1.7 Date of Establishment of IQAC:

12/10/2015

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

The first cycle of accreditation was obtained on 19th January 2016; the first AQAR for the academic year 2015-16 was submitted to NAAC on 2nd November 2016. For the academic year 2016 – 17 the same was submitted to NAAC on 25th September 2017.

1.9 Institutional Status (Refer Annexure I and II)

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 ☐

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 ☒

1.10 Type of Faculty/Programme

Arts	<input type="checkbox"/>	Science	<input checked="" type="checkbox"/>	Commerce	<input type="checkbox"/>	Law	<input type="checkbox"/>	PEI (Phys Edu)	<input type="checkbox"/>
TEI (Edu)	<input type="checkbox"/>	Engineering	<input checked="" type="checkbox"/>	Health Science	<input type="checkbox"/>	Management	<input checked="" type="checkbox"/>		
Others (Specify)	<input type="text" value="---"/>								

1.11 Name of the Affiliating University (for the Colleges)

ANNA UNIVERSITY, CHENNAI

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

Autonomy by State/Central Govt. / University

UGC & ANNA UNIVERSITY

University with Potential for Excellence

NA

UGC-CPE

NA

DST Star Scheme

NA

UGC-CE

NA

UGC-Special Assistance Programme

NA

DST-FIST

NA

UGC-Innovative PG programmes

NA

Any other (Specify)

NIL

UGC-COP Programmes

NA

2. Composition of IQAC and its Activities

2.1 No. of Teachers

8

2.2 No. of Administrative/Technical staff

2

2.3 No. of Students

1

2.4 No. of Management Representatives

1

2.5 No. of Alumni

1

2.6 No. of any other Stakeholder and
Community Representatives

2

2.7 No. of Employers/ Industrialists

1

2.8 No. of other External Experts

2

2.9 Total No. of members

18

2.10 No. of IQAC meetings held

4

2.11 No. of meetings with various stakeholders: No.

6

Faculty

4

Non-Teaching Staff / Students

1

Alumni

1

Others

-

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.

4

International

-

National

-

State

-

Institution Level

4

(ii) Themes

IQAC being the catalyst in quality enhancement processes, pursuing the heads of various centres to accord importance for quality. So various centres are constantly trying to improve their performance with due regard for quality aspects. Thus IQAC directly or in association with other programme centres work for quality improvements. A few of such programmes are given below.

- i. Teaching Skills
- ii. Blooms Taxonomy



The chief guest Mr. Bharath Gopalan, General Manager, Ramco Cements, Chennai in the FDP on Teaching and facilitation skills organised by IQAC in association with CELT on 10th June 2017



The Principal addressing the participants in the workshop on Blooms Taxonomy on 15th June 2017

2.14 Significant Activities and contributions made by IQAC

Internal Quality Assurance Cell (IQAC) is formed to develop a system for conscious, consistent and catalytic improvement in the overall performance of the Institution. It is aimed to internalise and institutionalise the quality improvement procedure. Besides, it will be a facilitative and participative team for quality enhancement initiatives by working out planned interventionist strategies to remove deficiencies and enhance quality on a continual basis in the academic processes of the Institution.

With the above objectives in mind and to work towards II cycle of accreditation process, the following were organised by IQAC during the academic year.

S.No.	Activities	Date(s)
1	One day orientation programme for the newly joined faculty	06 – 06 – 2017
2	FDP on Teaching and facilitations skills	10 – 06 – 2017
3	Workshop on Blooms Taxonomy	15 – 06 – 2017 & 09 – 03 – 2018
4	Dissemination of Modified guidelines for accreditation by NAAC – Criterion wise (one day / week)	17 – 02 – 2018 to 10 – 03 – 2018

2.15 Plan of Action by IQAC/Outcome

The outcome of the workshop enabled the faculty to adopt Blooms taxonomy on the question paper setting to test students cognitive skill. The tenth (Periodic) IQAC meeting specially focussed to improve research and consultancy services as the Institution has been recognised under clause 2(f) and 12(b) of UGC. The Research Committee / board of the Institution periodically reviews the progress in research work and encourages applying for grants from reputed agencies.

It is always the endeavour of IQAC to monitor for improvement and take corrective measures in Teaching Learning and Evaluation (TLE) process. Further Outcome

Based Education (OBE) methods are implemented in the campus in letter and spirit. In order to disseminate the OBE features, workshops are periodically organised for the benefit of staff members. Rigorous scrutiny of the evaluation process is attempted in question paper setting, answer key preparation, evaluation of scripts and also mapping of course outcomes/ program outcomes towards the attainment of program educational objectives. This being an on-going exercise, Internal Academic Audit (IAA) (a team of experts) is continuously monitoring the TLE process in the institution.

The Centre for Excellence in Learning and Teaching (CELT) of the institution conducted a workshop on blooms taxonomy in association with IQAC. Further the students are grouped based on their performance in Continuous Internal Assessment (CIA) as slow/ normal/ fast learners. Various initiatives catering to the requirement of these groups are put in place in order to improve their learning skill sets. The impetus for such an exercise got a flip with the introduction of Choice Based Credit system (CBCS) since 2015. Thus the students get a fair treatment and freedom to select courses in their quest to acquire professional knowledge and skill set as per their choice/ pace of learning.

IQAC of the institution plays predominantly a catalytic role in the campus. As the term quality encompasses the entire spectrum of academic processes each and every activity is fine tuned towards reaching excellence. The major stakeholders in the process viz., students and faculty are kept as the focal point and many of these activities during the academics year are classified criterion wise and complied in the report.

Thus action for quality improvement is continuously undertaken in the campus. The management too is a source of inspiration and guidance with the required financial assistance for the Institution's growth.

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

Management ☒ Syndicate ☐ Any other body ☐

Significant Achievements of the Institution (under monitoring and guidance of IQAC)

The IQAC plays a vital role in quality improvements focussing over all the activities of the institution. Due to proactive role played and initiatives taken a number of awards/ achievements could be possible and the details are:

- A batch of our student formula team ‘GRIFFIN RIDERZ’ have participated in SUPRA SAEINDIA 2017 an event jointly organized by SAEINDIA and Maruti Suzuki India at Buddh International Circuit, Greater Noida during June 2017. The team cleared Technical inspection, Egress test, Tilt test and ranked 63rd out of 120 teams participated from all over the country.
- Mr. Arjun Arangil, student of I year M.E.(Communication Systems) bagged “Dr.Kalam Young Achiever Award” for the project developed on “women safety” organized by World Youth Federation
- Ten Patents are registered by students / faculty; two patents are granted for the products developed by Ms. S. Deepa, Assistant Professor / ECE
- The faculty have published 352 papers in Scopus indexed /WOS journal during the academic year
- The institution received the following awards from Infosys Technologies, (Chennai DC) for the year 2017
 1. Best SPoC Award
 2. Outstanding contribution in INFOSYS’s Campus Connect - Foundation Program
 3. Outstanding contribution in INFOSYS’s Campus Connect - Softskill Program
- Karpagam Innovation Centre (KIC) conducted skill development courses in association with NSDC (National Skill Development Centre) under the scheme of PMKVY (Pradhan Mantri Kaushal Vikas Yojana); the financial assistance obtained is Rs. 10 Lakhs
- The Women Ball Badminton team got the First Position in the Anna University Zone 10 Ball Badminton Tournament held at Hindustan College of Engineering and Technology, Coimbatore
- The Women Table Tennis team won First Position in the Anna University Zone 10 Table Tennis Tournament held at Karpagam institute of Technology, Coimbatore.
- The Men Table Tennis team won Third Position in the Anna University Zone 10 Table Tennis Tournament held at Rathinam Institute of Technology, Coimbatore

- The Men Badminton team won Second Position in the Anna University Zone 10 Badminton Tournament held at Karpagam College of Engineering, Coimbatore
- The Men Ball Badminton team won Second Position in the Anna University Zone 10 Ball Badminton Tournament held at Karpagam College of Engineering, Coimbatore.
- The Athletics team won 2 Gold & 1 Bronze Medals in the Anna University Zone 10 Athletics Meet held at Sri Krishna College of Engineering and Technology, Coimbatore

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	4	-	4	-
PG	5	-	5	-
UG	9	-	9	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	18	-	18	-

Interdisciplinary	1	-	-	-
Innovative	-	-	-	-

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	14
Trimester	-
Annual	-

Programmes offered by the Institute

Under Graduate Programme 4 Years	Post Graduate Programme 2 or 3 Years
B.E-Civil Engineering	
B.E- Electrical and Electronics Engineering	
B.E- Electronics and Communication Engineering	M.E- Communication Systems M.E- VLSI Design
B.E- Electronics and Tele-Communication Engineering	
B.E- Electronics and Instrumentation Engineering	
B.E-Computer Science and Engineering	
B.E-Mechanical Engineering	M.E- Mechatronics
B.E-Automobile Engineering	
B.Tech–Information Technology	
	M.B.A- Master of Business Administration
	M.C.A- Master of Computer Applications

1.3 Feedback from stakeholders*

Faculty ☒ Alumni ☒ Parents ☒ Employers ☒ Students ☒

Mode of feedback :

Online ☒ Manual ☒ Co-operating schools (for PEI) ☐ -

There are specified formats for getting the feedback from various stakeholders. Except the students feedback on faculty, rest are all gathered in manual mode only; while the former is in on-line mode. The questions are framed in such a way to get feedback a meaningful insight for quality improvements. The feedback is then consolidated, analysed, reported for deliberations at appropriate level for remedial action. The occasion such as graduation day, orientation programme for freshers', placement offer day etc... are diligently utilized for the purpose of obtaining feedback.

** Analysis of the feedback is provided in Annexure – III*

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

Yes, Regulations 2017 (R 2017) has been brought out and implemented during the academic year for the BE/ B.Tech Programmes. The curriculum and syllabi for all under graduate programmes have been revised based on the feedback obtained from the stakeholders especially inputs from employers and industries.

Choice Based Credit System (CBCS) and Outcome Based Education (OBE) are the thrust areas envisaged now. Further a number of Professional Electives, Employability Enhancement Courses, and Vacation Courses are included under R 2017. Also mini project during the III year of study has been included and the final year project has been split into two phases with three credits for Phase I (carried out during VII Semester) and 15 Credits for Phase II (carried out during VIII Semester).

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

- The Department of EEE established Center for Research Training and Development (CRTD) during the year.
- CRTD embarks upon value added programmes like workshops, seminar, design contest, faculty development training programme and organizing conferences.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty (Academic year 2017-18)

Total	Asst. Professors	Associate Professors	Professors	Others
364	298	24	34	8

2.2 No. of permanent faculty with Ph.D.

50

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others	
R	V	R	V	R	V	R	V
52	0	7	0	16	0	2	0

2.4 No. of Guest and Visiting faculty and Temporary faculty:

- Visiting Faculty : Nil
- Temporary Faculty : Nil

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	-	134	-
Presented papers	31	10	-
Resource Persons	-	10	-

Details of the Conference presentation (Samples)

S. No	Name, Designation & Department	Paper Title	Name of the Conference	Date	Level
1	Dr.S.Saravana Kumar, Prof/CSE, Dr.M. Prakash, Prof/ CSE	Evaluating distance functions for Hierarchical Clustering with future selection on lung cancer data set	International Multi-Conference on Information Technology, Electrical, Electronics, Agriculture, mechanical Medical and Management	14.01.2018 To 16.01.2018	International
2	Dr.S.Saravana Kumar, Prof/CSE	Smart phone sensing Technologies	International Multi-Conference on Information Technology, Electrical, Electronics, Agriculture, mechanical Medical and Management	14.01.2018 To 16.01.2018	International
3	Dr.S.Saravana Kumar, Prof/CSE	Smart Bus Applications	International Multi-Conference on Information Technology, Electrical, Electronics, Agriculture, mechanical Medical and Management	14.01.2018 To 16.01.2018	International
4	Dr.S.Saravana Kumar, Prof/CSE	An Analysis of Energy Efficient Routing Protocol in Mobile Ad-hoc Networks	International Multi-Conference on Information Technology, Electrical, Electronics, Agriculture, mechanical Medical and Management	14.01.2018 To 16.01.2018	International
5	Dr.S.Angel Latha Mary, Prof/CSE	Respiratory Organ Nodule Detection Using Machine Learning Algorithms	International Conference on Innovations in Science, engineering and Technology for Sustainable Development (ISETSD-2018)	30.03.2018, 31.3.2018	International
6	T. K. Sethuramalingam, Associate Professor / ECE	Design of Low power RSA processor	International Conference on Innovations and Research in Marine Electrical and Electronics Engineering (ICIRMEEE 2017)	6-10-2017	International
		Embedded Systems Based Modern Irrigation and Crops Cultivation Technique in Agriculture	13th International Conference on Desert Technology (DT-13)	12 – 3 – 18 to 16 – 3 – 18	International

S. No	Name, Designation & Department	Paper Title	Name of the Conference	Date	Level
7	M.Sivaram Krishnan, Assistant Professor / EEE	Impedance Source Inverter and permanent Magnet Synchronous Generator for variable Speed Wind Turbine	5th International Conference on New Frontiers of Engineering, Science, Management and Humanities	17 – 9 – 2017	International
		Resonant power Converter using GA for PV Applications			
8	Dr. C. R. Balamurugan, Professor / EEE	Remedial measures for the impact of deviation in natural resources	International conference on technological advances in mechanical engineering (ICTAME 2017)	22 - 9 -2017	International
		Technology now for science and humans	International conference on technological advances in mechanical engineering (ICTAME 2017)	22 - 9 -2017	International
		Z source fed H-type diode clamped multilevel inverter	International conference on technological advances in mechanical engineering (ICTAME 2017)	22 - 9 -2017	International
		A novel technique for solar power generating system using multilevel inverter	International conference on technological advances in mechanical engineering (ICTAME 2017)	22 - 9 -2017	International
		A Review On Various Renewable Energy Sources	6th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTE SM-2017)	6 – 8 - 2017	International
		Hologram Based Three Dimensional Projection	6th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTE SM-2017)	6 – 8 - 2017	International
9	Dr.K.Anuradha AP / MCA	Application of Fuzzy Cognitive Map in Voluntary Retirement Analysis	International Conference on the ‘Electrical, Electronics, Instrumentation and Computer communication (E2IC2)	19 – 1 – 18 to 20 – 1 –18	International

S. No	Name, Designation & Department	Paper Title	Name of the Conference	Date	Level
10	Mrs.R.Gokila AP / MCA	INTEGRATION OF CLOUD COMPUTING WITH INTERNET OF THINGS WITH SECURITY ISSUES	International Conference on the 'Electrical, Electronics, Instrumentation and Computer communication (E2IC2)	19 – 1 – 18 to 20 – 1 – 18	International
11	Ms.K.Uma Maheswari AP / MCA	Mining Educationl Data for Predicting Students Subject Knowledge Using Decision Support System	International Conference on the 'Electrical, Electronics, Instrumentation and Computer communication (E2IC2)	19 – 1 – 18 to 20 – 1 – 18	International
12	Dr.V.Narayani Director / MCA	Prediction of Dropout:Comparative Analysis on ID3 and C4.5	International Conference on the 'Electrical, Electronics, Instrumentation and Computer communication (E2IC2)	19 – 1 – 18 to 20 – 1 – 18	International
		Early Prediction of systemic lupus erythematosus using hybrid K-Means J48 decision tree algorithm	International Conference on the 'Electrical, Electronics, Instrumentation and Computer communication (E2IC2)	19 – 1 – 18 to 20 – 1 – 18	International

2.6 Innovative methods adopted by the Institution in Teaching and Learning:

INNOVATION IN TEACHING LEARNING PROCESS

SMART CLASS ROOM:

Select enriched courses are conducted through smart classrooms. A Minimum of two analytical courses for each programme is planned, where the students can get illustrations via photos, maps, graphs, regular and animated videos. Advanced technology enhances the learning experience for students and also gives an interesting platform to the teachers. For the students it is easy to grasp with visual effects and dynamic perspective. Through e-learning, students not only get dynamic information but also are stepping towards green learning. Here, everybody is compatible with notebooks, tablets and use of paper is almost negligible. Every individual's capacity to grow is different from the other, so the pace of growth is also different with regard to different students. E-learning gives separate profile to all the students so they can maintain their own pace of learning. The smart classrooms make it possible to give a live demo before attempting to introduce new concepts. Similarly after learning an

idea, real time example can be displayed via downloaded videos thereby make the classroom learning more meaningful and attractive to the learners.

e- LEARNING:

The Quality Improvement Cell of the Institution has created KCE- online resource centre for e-learning through online web and video courses in Engineering, Science and Humanities. All the faculty members and students can make use of this portal with the link <http://172.16.100.10:8084/KCENPTEL> in the campus. The KCE-Online Resource centre contains the following resources.

- NPTEL Video lectures jointly developed by the IITs and IISc
- Spoken tutorial consists of video tutorials for self learning of free and open source software developed by IIT Bombay
- Virtual Labs in various disciplines of Science and Engineering with additional web resources, video lectures and animated demonstrations developed by IITs
- Job seekers application package is available to students to improve their soft skills and prepare themselves for interviews and group discussions.

APPLICATION OF NETWORK:

The entire Campus is provided with internet facility and WIFI connectivity with 71 access points for students and faculty which enable them access e-journals and e-books to enrich their knowledge in their field of interests.

INFOSYS CAMPUS CONNECT AND WEBINAR

As an Institute Industry initiative, Infosys- Campus Connect and webinar are the major steps taken-up by the Institution.

Campus Connect: M/s. Infosys Limited extends their active co-operation for the development of IT skills of our students. Campus Connect Programme is an industry-academia partnership initiative launched by Infosys Technologies. Campus Connect helps KCE to groom industry ready graduates. KCE is an Advanced Partnering Institution since 2008. Through this programme, Industry Electives and Soft-Skills Course have been added to

the curriculum. Foundation Program (FP) is the training program designed for entry level students. The Soft Skill Program (SSP) represents the Intellectual Property and experience of Infosys. The purpose of SSP courseware is to provide a unique set of teaching aids, consolidated training material to the college faculty.

Year	Partnership Level			Total
	Gold	Silver	Bronze	
2017	4	14	21	39

Webinar: It is a Video lecture delivered by eminent professionals of Infosys. A resource person through video conferencing delivers lecture on the latest development in the IT field. These initiatives improve the students’ knowledge besides updating their skill level at par with the needs of Industry.

C Exhibit “C” – Exhibit is an Industry-Academia initiative launched by Karpagam College of Engineering. Students from various streams of Engineering develop applications in their respective streams using C Programming as a platform. This event is held during the fresher induction every year. It helps in motivating students to innovate. This exhibit on C Programming aims to enhance the knowledge of KCE students and increase the industrial credibility. Industries share their proven courseware and training methodology with Karpagam College of Engineering which helps to groom the Students as “Industry Ready” Engineers. The involvement of students in developing projects and participating in the exhibition boosts their confidence level and enhancing their placement prospects.

2.7 Total No. of actual teaching days during the academic year

198

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

Introduction of Dummy Numbers for the Answer Scripts.

The bundle of answer scripts of a particular course is opened in the presence of the Controller of Examinations (CoE) and shuffled. These are then arranged in small lots of twenty scripts each. The dummy numbers as per the guidelines is stamped on each script at two places; on the counterfoil and in the index page of the script. The counter foil is then

collected and preserved confidentially. The scripts in batches of twenty are kept in a sealed cover for evaluation. The dummy number and corresponding marks after evaluation are entered in the customised software to generate the mark sheet.

Scrutiny of question papers of the End Semester Examinations. (ESE)

The End Semester Examination (ESE) question papers are scrutinised for correctness of language, quality/ standard and adequacy of the syllabus coverage. Experts for each course is identified and invited by the COE to carry out the scrutiny of these in his presence. Any deviation is analysed and corrections made based on necessity.

Improvements in the Evaluation Process

- Outcome Based Education (OBE) is the watch word for imparting quality education. Here the attainment of (pre-defined) course outcomes are mapped with programme outcomes during the evaluation processes.
- In order to enhance the level of learners' skill sets, "Blooms Taxonomy" another buzz-word being meticulously practiced in the institution. Based on course outcomes, the questions in the examinations are set in such a way to test the prescribed 'cognitive level' desired for the courses of study.
- Further in order to encourage and inculcate continuous learning, the evaluation process is also made continuous and the weightage of marks among internal and semester examination is of equal weightage.
- Another reform of the examination process is including more number of internal exports in the evaluation of semester examination scripts.

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

University Representatives	08
Industry experts	16
Academic experts - (external member)	16
Academic experts - (internal member)	87
Alumni	12

2.10 Average percentage of attendance of students 85%

2.11 Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division			
		Distinction	I Class	II Class	Pass %
ME (VLSI)	1	-	-	-	-
ME (Communication Systems)	1	-	1	-	100
ME (Mechatronics)	1	-	1	-	100
MBA	43	-	24	6	69.7
MCA	31	-	30	-	96.7
BE (CSE)	120	19	88	2	91
BE (EEE)	179	35	118	3	87.2
BE (ECE)	159	46	96	2	91
BE (MECH)	201	28	157	-	92
B.TECH (IT)	101	13	80	2	94
BE (CIVIL)	98	19	71	2	94
BE (EIE)	77	11	64	-	97
BE (AUTO)	68	2	51	-	78
BE (ETE)	51	7	41	-	94

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching and Learning processes:**Monitoring the quality of teaching - learning process:**

The Internal Academic Audit (IAA) is functional since June 2014 in the Institution. The team has a team head and experts drawn from in-house academic disciplines as the auditors. The IAA is a continuous exercise undertaken to monitor the academic process and thereby improve the quality of teaching – learning process in the Institution. The team audits two vital records which reflect the quality of teaching - learning and evaluation process namely Course file and Attendance and Assessment

register (AAR) maintained by each faculty for each of the course handled during a semester.

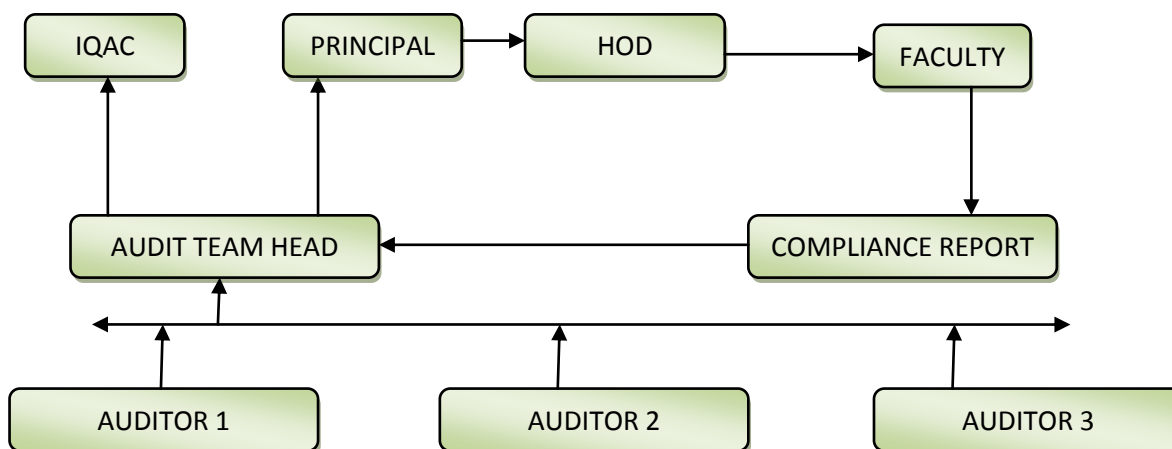


Fig. Flow diagram of Internal Academic Audit Process

The AAR consists of data on students' attendance, progress of course work and entry of marks for each of CIA, unit test and assignment / tutorial conducted. The course file consists of the syllabus prescribed for the course, course plan, previous end semester question papers, time table, list of students registered for the course, CIA question paper along with complete answer key, sample answer scripts and mark statements with result analysis. Audit is performed based on the above two records under the following criteria:

- a) Record maintenance
- b) Attendance and assessment register
- c) Syllabus coverage and question paper setting
- d) Answer keys
- e) Evaluation of answer scripts (Sample Audit)
- f) Result analysis and
- g) End Semester question paper and feedback forms both on End Semester question paper and the course handled by every faculty member.

(a) Record maintenance:

- Verified whether the records are filed as per the index in the course file
- The syllabus copy filed must be a true copy from the relevant regulations passed by academic council
- Question bank if previous End semester question paper(s) are not available and for the newly introduced course(s)

- The papers / documents filed in the course file approved by the concerned HoD/Dean
- The hours planned are in accordance with the credit weightage of each course etc., viz LTPC criterion.

(b) Attendance and Assessment Register (AAR):

- AAR will be checked for continuous updating of data such as Attendance and progress of the course
- Check for any deviation in the progress of course work
- See data consistency among attendance, progress of course work and fortnight reports filed
- CIA marks with ERP result compared for correctness
- Neatness of entries and record maintenance

(c) Syllabus coverage and question paper setting:

- Ensure coverage of syllabus prescribed for each CIA test
- Pattern of Questions asked must follow the guidelines issued and of uniform Spread and depth

(d) Answer keys:

- Complete answer key for all the questions in a CIA test (without choice)
- Provide split up of marks for long answers, stage wise
- The sketch / diagram should be drawn neatly with proper labelling

(e) Evaluation of answer - scripts:

- Evaluation is verified by drawing sample answer booklets for each of the courses
- The sample booklets shall include below average/ average/ above average percentage of marks
- Ensure fair valuation of the answer scripts without bias and broadly conforming with the answer key prepared

(f) Observation of delivery of courses (in the class):

- A recent exercise initiated is to assess the adequacy and follow-up of pedagogical practice.

2.13 Initiatives undertaken towards faculty development

Under the guidance of IQAC, the following programmes have been conducted to

enhance the quality of the teaching learning processes.

Faculty / Staff Development Programmes	Number of faculty benefited
Refresher courses	100
AICTE / UGC – Faculty Improvement Programme	50
HRD programmes	5
Orientation programmes	30
Faculty exchange programme	-
Staff training conducted by the university (FDP)	175
Staff training conducted by other Institutions	14
Non-teaching staff training programme	-
Others - Summer / Winter schools, Workshops, etc.	224

- National level seminar on “Deep learning models for cyber security and remote sensing” conducted by department of computer science and engineering during 13th and 14th July 2017
- ICT Sponsored FDP on introduction to big data analytics conducted by department of computer science and engineering during 2nd and 3rd August 2018
- AICTE Sponsored Seminar on "Biomaterials and its Applications in Biomedical Engineering conducted by department of mechanical engineering during on 26th & 27th September 2017
- Anna University sponsored seven days FDTP on EC6403 Electromagnetic fields conducted by the department of electronics and communication engineering during 4th - 10th December 2017.
- AICTE-ISTE Sponsored One Week Induction / Refresher Programme Titled “FDP on Fundamentals of Pedagogy in Engineering Education” conducted by department of mechanical engineering during 14th - 19th May, 2018

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	74	26	-
Technical Staff	63	29	-

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the Institution

Research is accorded top priority in the Institution. The Institution has formed a Research Committee in each of the programme centre and is lead by the head of the department and helped by a senior faculty member for coordination.

Research work forms the basis of creativity and innovation and is regarded as critical for the developments in Technology. Research also makes teaching and learning more effective and purposeful. The Institution attempts for promotion of research climate, undertake cutting edge research, give due recognition and priority to research, motivate faculty members and higher order thinking students to go for research, explore the possibility of getting aid/consultancy by institute industry research collaboration, disseminate and transfer the research findings from laboratory to the field through extension; apply for patent and commercialize the patented products and continue with improvements.

At the institution level there is a research board. The Principal is the chairperson and Heads of departments and research coordinators of the departments are the members of the Research Board. They meet periodically and discuss about the progress, steps required to attract talents, sorting out impediments in publication of articles etc. A policy document on “Research Policies, Guidelines and Data” is prepared to guide the scholars on the rules, regulation, processes which are in consonance with that of the affiliating university. This is one of the thrust areas for the institution.

Patents applied and registered:

S. No	Name	Patent Title	Patent No (or) Application No
1	S.Nithyanantham, AP/CSE	A Portable Heating Article	201741016846A
2	Arjun Arangil I ME (Comm. Sys) Department of ECE	Portable Security System	201741008870
3	Suhail M IV BE (EEE) Department of EEE	Smart Rubber Tapper	201841043534
4	Gowtham	Bread Omelets Vending Machine	201841044816

	IV BE (EIE) Department of EIE		
5	Dr.B.Nagaraj Professor / ECE	Smart Rubber Tapper	201841043534
6	Dr.C.Arvind, Associate Professor,ECE	An Energy Efficient Multi Channel Temperature monitoring and controlling PCB for Shell cast Foundry	201641028076A
7	Dr.C.Arvind, Associate Professor,ECE	Fixture for Hose Inserter and Puller in Bore wells	201641030312A
8	Ms. S.Deepa, AP/ECE	Water Tank Cleaning Device	59747
9	Ms. S. Deepa, AP/ECE	Hybrid Gripper unit for rescue operations in bore wells	52016
10	Dr.B.Nagaraj Professor / ECE	Audience Behaviour Rating(AB- Rating)	201641034413

3.2 Details of major projects undertaken

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	-	
Outlay in Rs. Lakhs	-	15.95	-	

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	54	-	-
Outlay in Rs. Lakhs	-	70.68	-	-

3.4 Details on research publications

	International	National	Others
Peer Reviewed Journals	355	-	-
Non-Peer Reviewed Journals	-	-	-
e-Journals	355	-	-
Conference proceedings	113	11	-

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
Department of Automobile Engineering				
1	Dr. J. Ganesh Murali, Professor	Optimization of injection molding mold flow analysis using taguchi method	International journal of Pure and Applied Mathematics	International Journal
2	P. Lakshmana kumar, Associate professor	A Study on Safety aspects in Steel Industries	Interciencia Journal	International Journal
		A review on enhancing the design and analysis of steering Wheel by reducing the ratio	International Journal of Pure and Applied Mathematics	
3	Dr. M. kumaresan, Professor	Experimental investigation on the charecteristics of diesel fuel in a DIDiesel engine using two stage cams split injection method	International journal of mechanical engineering and technology.	International Journal
		Design and analysis of a two seater electric car”	International journal of mechanical engineering and technology	
4	V. Kondusamy, Asst. Prof.	Optimization of Airbrake System of Heavy vehicles	International journal of Pure and Applied Mathematics	International Journal
		Conceptual approach in developing prototype model of the machining setup for globoid worm gear	International journal of Pure and Applied Mathematics	
Department of Civil Engineering				
1	Ms. S. Priyanka, Asst. Prof.	Experimental Investigation on Partial Replacment of Steel Slag as Coarse Aggregate	Pakistan Journal of Biotechnology	International Journal
2	Ms. K. Dhivya, Asst. Prof.	Experimental Study on the Effect of Partial Replacement of Cement by using Glass Powder and Fly Ash in Concrete	Pakistan Journal of Biotechnology	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
3	Mr. S. Veeradhithyan Asst. Prof.	Investigation on Behaviour of Exterior Beam-Column Joint Under Cyclic Loading	Pakistan Journal of Biotechnology	International Journal
4	Mr. E. Sakthivel, Asst. Prof.	Remote Sensing and GIS-Multicriteria Decision Analysis for Ground Water Resources Mapping of Thalavadi Block- Erode District in Tamilnadu	Pakistan Journal of Biotechnology	International Journal
5	Ms. S.K. Agalshri, Asst. Prof.	Corporate Water Stewardship: A Study on Water Footprint in Paper Industry	Pakistan Journal of Biotechnology	International Journal
Department of Computer Science Engineering				
1	R.Nandhini, Asst. Prof.	A cluster based load balancing in long term evaluation self optimization network	International Journal of Engineering & Technology UAE	International Journal
	R.Udaya Nirmala Mary, Asst. Prof.	A precise view of big data based analysis on various parameters under the field of gaming analytics	International Journal of Engineering & Technology UAE	International Journal
2	E.Rama kalaivani, Asst. Prof.	Prediction of diabetes with hybrid prediction model using big data in health care	International Journal of Engineering & Technology UAE	International Journal
3	R.Divya, Asst. Prof.	Recommender system for business development using POI	International Journal of Engineering & Technology UAE	International Journal
		Ontology based search result optimisation using singular matrix	International Journal of Engineering & Technology UAE	International Journal
		Potential item set mining by using utility pattern growth model in big data	International Journal of Engineering & Technology UAE	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
		Secure Effective Key Management In Dynamic Wireless Sensor Networks	International Journal of Pure and Applied Mathematics	International Journal
4	Dr.M.Prakash, Professor	Detection of dengue disease using artificial neural network based classification technique	International Journal of Engineering and Technology UAE	International Journal
		An effective method for preventing chain from snatching	International Journal of Engineering and Technology UAE	International Journal
		Honest Auction Based Spectrum Assignment and Exploiting Spectrum Sensing Data Falsification Attack Using Stochastic Game Theory in Wireless Cognitive Radio Network	Wireless Personal Communication	International Journal
		Polyhedron Model for Three Dimensional Node Deployment in Underwater Sensor Network	Journal of Computational and Theoretical Nanoscience	International Journal
5	S.Nithyanandam, Asst. Prof.	Comparison of twitter spam detection using various machine learning algorithms	International Journal of Engineering and Technology UAE	International Journal
6	S.Ramamani, Asst. Prof.	Scalable dynamic key management for location based services	International Journal of Engineering and Technology UAE	International Journal
7	J.Kiruba, Asst. Prof.	Enabling accurate range free localization for mo-bile sensor networks	International Journal of Engineering and	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
			Technology UAE	
8	Dr.S.Angel Latha Mary, Professor	Recommender system for business development using POI	International Journal of Engineering & Technology UAE	International Journal
		Ontology based search result optimisation using singular matrix	International Journal of Engineering & Technology UAE	International Journal
		Secure Effective Key Management In Dynamic Wireless Sensor Networks	International Journal of Pure and Applied Mathematics	International Journal
		Potential item set mining by using utility pattern growth model in big data	International Journal of Engineering & Technology UAE	International Journal
9	Dr.S.Kannimuthu, Professor	Comprehensive survey on context-aware computing	International Journal of Pure & Applied Mathematics	International Journal
		Certain investigation on cross domain data fusion	International Journal of Pure & Applied Mathematics	International Journal
		Stellar Mass Black Hole for Engineering Optimization	InRecent Developments in Intelligent Nature-Inspired Computing	International Journal
		Polyhedron Model for Three Dimensional Node Deployment in Underwater Sensor Network	Journal of Computational and Theoretical Nanoscience	International Journal
		KCEDAlab @ EventXtract-IL-FIRE2017: Event Extraction using Support Vector Machines	CEUR Workshop Proceedings	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
10	Dr.S.Saravana Kumar, Professor	A Review on Parallel Logic Simulation	International Journal of Pure & Applied Mathematics	International Journal
		Secure Visual Cryptography For Medical Image Using Modified Cuckoo Search	International Journal of Pure & Applied Mathematics	International Journal
		A Novel Proposal for Data Security in Mobile Cloud Computing by Mutual Cryptographic Schemes	International Journal of Pure & Applied Mathematics	International Journal
		Performance Evaluation of Security and Privacy Challenges in Cloud Computing Services	Jour of Adv Research in Dynamical & Control Systems	International Journal
		Data Sharing In Cloud Environment	International Journal of Pure & Applied Mathematics	International Journal
		Riskless Medical Services Using Android Smartphone Devices	International Journal of Pure & Applied Mathematics	International Journal
Department of Electronics and Communication Engineering				
1	Dr. P.Karthigai kumar, Professor	ECG signal pre-processing and SRNm amplifier based abnormality detection in remote health care application	IEEE access	International Journal
		An immersive learning model using evolutionary learning	Computers and Electrical Engineering (Elsevier)	International Journal
		FPGA Implementation of Modified error normalized LMS adaptive filter for ECG noise removal	Cluster Computing (Springer)	International Journal
		An Efficient Noise Removal Technique Using Modified Error Normalized LMS Algorithm	National Academy Science Letters (Springer)	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
		FPGA implementation of an optimized key expansion module of AES algorithm for secure transmission of ECG signal	Design automation for embedded systems (Springer)	International Journal
		A Novel LMS Algorithm for ECG Signal Preprocessing and KNN Classifier Based Abnormality Detection	Multimedia Tools and Applications (Springer)	International Journal
		Design Of Optimized High Frequency Antennas	International Journal Of Pure And Applied Mathematics	International Journal
		Micro Machined Silicon Accelerometer With Piezoresistive SCR Implementation For Glucolysis (Published)	Research Journal Of Biotechnology	International Journal
		An Review Of Antenna Parameters Of Rectangular Microstrip Patch Antenna AT9-15 CGHZ And 21-32 GHZ	International Journal Of Pure And Applied Mathematics	International Journal
	Dr. P.Karthigai kumar, Professor	Simulation Analysis of Non stationery Random Noise modeling in an automobile engine environment	International journal of control and Automation	International Journal
		Survey on Various Advanced Technique for Cache Optimization Methods for RISC Based System Architecture	International Journal of Pure and Applied Mathematics	International Journal
		AN Optimization of Modified Booth REcorder for the Design of Arthimetic Operator	International Journal of Pure and Applied Mathematics	International Journal
2	Dr.K.Geetha, Professor	Automatic Segmentation of lesion from preast DCE-MR image using Artificial Fish Swarm Optimization algorithm	Journal of Medical Physics and Engineering	International Journal
		A Novel Energy Efficient Surveillance System with Adaptive weighted fuzzy C-means Clusternig Based Routing for Healthcare	Research Journal of Bio-Technology	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
		Monitoring Applications		
3	Dr. C. Priya, Associate Professor	An Efficient Region Based Lossless Compression For Medical Images	International Journal Of Pure And Applied Mathematics	International Journal
		A Robust Encryption then Compression method for medical Images	International Journal Of Pure And Applied Mathematics	International Journal
		Medical Image Compression based on Fuzzy Segmentation	International Journal Of Pure And Applied Mathematics	International Journal
		A Robust Image Enhancement using Fuzzy based Filtering Method	International Journal Of Pure And Applied Mathematics	International Journal
4	Dr. C. Arvind, Associate Professor	MRI Brain Image Segmentation Using Enhanced Adaptive Fuzzy K-Means Algorithm	Intelligent Automation & Soft Computing	International Journal
		Simulation Analysis Of Binary Multipliers Used In The Mac Unit Of Digital Signal Processors	International Journal of Pure and Applied Mathematics	International Journal
		Bluetooth Enabled Braking System For Accident Prevention	International Journal of Pure and Applied Mathematics	International Journal
		Survey On The Design Methods Of Low Power Sram Cell	International Journal of Pure and Applied Mathematics	International Journal
		A phase modulation scheme for millimeter wave generation based on Frequency Octupling using LiNbO3 Mach-Zehnder Modulator	International Journal of Engineering and Technology	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
		Survey on Energy Efficient Hierarchical Routing Protocols	Journal of Advanced Research in Dynamical and Control systems	International Journal
		AN Survey on Low Power FFT Processor for Signal Processing Applications	Journal of Advanced Research in Dynamical and Control systems	International Journal
		A novel scheme for optical millimeter wave generation using MZM	ARNP Journal of Engineering and Applied Sciences	International Journal
		Facial expression recognition system "sentiment analysis"	Journal of Advanced Research in Dynamical and Control systems	International Journal
5	Dr. T.Arivoli, Professor	A novel M-ACA based Tumor segmentation and DAPP feature extraction with PPCSO-PKC based MRI classification	Arabian Journal of Science and Engineering	International Journal
		Mix model optimization of textual feature applied to multiple sclerosis lesion tumor segmentation	International Journal of biomedical engineering and technology	International Journal
6	T K Sethuramalingam, Associate Professor	FPGA Based Transceiver Employing Flow Routing with wavelength conversion in optical networks	journal of advanced research in dynamical and control systems	International Journal
7	V. Mithya, Asst. Prof.	Accident Alert With Automatic Dialler	International Journal Of Pure And Applied Mathematics	International Journal
		E-BABY CARE SYSTEM	International Journal Of Pure And Applied Mathematics	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
		Flexible 2-tree fuzzy C-means based image segmentation	Pakistan Journal of Biotechnology	International Journal
8	Joyce Selva Hephzibah.T, Asst. Prof.	A Novel Approach For Area -Power- Energy Reduction In Lms Adaptive Filter	International Journal of Pure & Applied Mathematics	International Journal
		Autonomous ZIGBEE based Vehicle for Agricultural Utilisation	International Journal of Pure & Applied Mathematics	International Journal
9	G.Arun Francis, Asst. Prof.	A Perspective Approach To Set Topological Definitions	International Journal of Pure and Applied Mathematics	International Journal
		Iot Based Accident Identification And Alerting System	International Journal Of Pure And Applied Mathematics	International Journal
		An Iot Based Monitoring And Control System For Environmental Conditions And Safety In Home	International Journal Of Pure And Applied Mathematics	International Journal
		Survey on Various Advanced Technique for Cache Optimization Methods for RISC Based System Architecture	International Journal of Pure and Applied Mathematics	International Journal
		AN Optimization of Modified Booth REcorder for the Design of Arthimetic Operator	International Journal of Pure and Applied Mathematics	International Journal
		Hybrid Solar Energy Harvesting System	International Journal of Pure and Applied Mathematics	International Journal
		Design Of Optimized High Frequency Antennas	International Journal Of Pure And Applied Mathematics	International Journal
10	S. Suja, Asst. Prof.	Impact on failure in an electro mechanical actuator based servo system using SEQUEL	International Journal of Systems Signal control and	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
			Engineering Application	
11	Dhanya N Asst. Prof.	Reconfigurable filter bank structures for hearing aid applications	International Journal Of Pure And Applied Mathematics	International Journal
12	S.Deepa Asst. Prof.	A Survey On Menstrual Health And Hygienic Sanitation	International Journal of Pure and Applied Mathematics	International Journal
		The Butterfly Effects On Indian Roads	International Journal of Pure and Applied Mathematics	International Journal
		Power Theft Identification System Using Iot	International Journal of Pure and Applied Mathematics	International Journal
		Comparative Study of design and analysis of gripper systems for bore well rescue operation	International Journal Computr aided Engineering and Technology	International Journal
		Development of MobildAdhoc Network using Leader Selection Algorithm	IJET	International Journal
13	C. Pranit Jeba Samuel Asst. Prof.	Hybrid Solar Energy Harvesting System	International Journal of Pure and Applied Mathematics	International Journal
		Automatic Fuel Restoration Assistance for Connected Vehicles	International Journal of Pure and Applied Mathematics	International Journal
		A Perspective Approach To Set Topological Definitions	International Journal of Pure and Applied Mathematics	International Journal
		Autonomous ZIGBEE based Vehicle for Agricultural Utilisation	International Journal of Pure and Applied Mathematics	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
14	D. Raja Godwin Asst. Prof.	Smart school bus monitoring system using IOT	International Journal Of Pure And Applied Mathematics	International Journal
		Compact Heart Rate Variability Recording Algorithm Using FPGA	International Journal Of Pure And Applied Mathematics	International Journal
15	L.Saranya Asst. Prof.	A Survey On Different Robotics Arms Used For Research	International Journal of Pure and Applied Mathematics	International Journal
		Mems Based Iot Interfaced Building And Bridge Safety Monitor For Smart City	International Journal Of Pure And Applied Mathematics	International Journal
		Garbage Management System For Smart City Using Iot	International Journal Of Pure And Applied Mathematics	International Journal
		A survey on Low power comparison in SRAM cell	International Journal Of Pure And Applied Mathematics	International Journal
		Survey On The Design Methods Of Low Power Sram Cell	International Journal of Pure and Applied Mathematics	International Journal
		A Survey On Menstrual Health And Hygienic Sanitation	International Journal of Pure and Applied Mathematics	International Journal
16	Shennes Mathew Asst. Prof.	Monitoring And Controlling Of Greenhouse Using Microcontroller	International Journal Of Pure And Applied Mathematics	International Journal
	Shennes Mathew Asst. Prof.	A Comparative Analysis Of Various Control Strategies On Heat Exchanger System	International Journal Of Pure And Applied Mathematics	International Journal
	T. Janani Asst. Prof.	Survey Of Fractal Image Compression Techniques	International Journal Of Pure And Applied Mathematics	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
17	M. Naveenraj Asst. Prof.	Traffic Analysis Using Manet In Wireless Sensor Network	International Journal of Pure and Applied Mathematics	International Journal
		Iot Based Smart Helmet For Unsafe Event Detection For Mining Industry	International Journal of Pure and Applied Mathematics	International Journal
18	R. Arun kumar Asst. Prof.	A Survey On Border Alert Systems For Fisherman	Pakistan journal of biotechnology	International Journal
19	A .Nivedita Asst. Prof.	Impact on failure in an electro mechanical actuator based servo system using SEQUEL	International Journal of Systems Signal Control and Engineering Application	International Journal
		Application of Hybrid PSO for Enhancing Feature Selection in Network Intrusion Detection Systems	International Journal Of Pure And Applied Mathematics	International Journal
Department of Electrical and Electronics Engineering				
1	Dr.P.Vijayakumar Professor	Modified Technique Gate Valve Control of Micro Hydro Power Plant Using Fuzzy Logic Controller	International Journal of Pure and Applied Mathematics	International Journal
2	Dr.K.Nithyanandhan Senior Professor	Virtual Instrumentation based simple economic load dispatch estimator model for 3-phase power system network	Journal of advanced research in dynamic & control systems	International Journal
		A Single stage LED Driver with IGBT for the LDR based street lighting system	International Journal of Pure and Applied Mathematics	International Journal
		Cloud computing based load flow monitoring for a three phase power system network	Journal of social, technology and environmental science	International Journal
		Development of prototype model for an automatic door closure for railway gates	Journal of social, technology and environmental	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
			science	
		Implementation and assessment of outcome based education in engineering education	International Journal of Pure and Applied Mathematics	International Journal
		Steady State thermal analysis of power Factor converters in switched reluctance drive	Journal of social, technology and environmental science	International Journal
	Dr.K.Nithyanandhan Senior Professor	Real Time Measurements of Transient Thermal Analysis for Power Factor Converters in Switched Reluctance Motor Drive	International Journal of Pure and Applied Mathematics	International Journal
		Neural Network based mathematical model for feed management technique in aquaculture	Journal of advanced research in dynamic & control systems	International Journal
		MATLAB simulations on object counting and density calculations for an image	International journal of pure and applied mathematics	International Journal
		Economic load dispatch estimation for a three phase power system network in cloud computing environment	International journal of pure and applied mathematics	International Journal
3	Dr.T.Rammohan Professor	Dwindling of harmonics in CML inverter using genetic algorithm optimization	International journal of pure and applied mathematics	International Journal
4	Dr.C.R.Balamurugan Professor	Hardware realization of self propelled safety monitoring system using can protocol	Journal of engineering science and technology (Web of Science)	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
		A Novel DC Link Coupled VL qZ Source Based Reduced Switch Multilevel Inverter	International journal of pure and applied mathematics	International Journal
		A Single Phase Boost Converter Based Five Level Inverter	International journal of pure and applied mathematics	International Journal
		Smart Glass with Voice Recognition and Visual Processing Facility for Visually Impaired People	International journal of pure and applied mathematics	International Journal
		Comparative analysis of various Z-Source based five level cascaded H-Bridge multilevel inverter	Bulletin of electrical and electronics informatics	International Journal
		Zero Voltage zero current switching dc/dc converter with high step up/ high efficiency	International journal of pure and applied mathematics	International Journal
		Investigations on z source based three level inverter	International journal of control and automation	International Journal
		Fuzzy logic controlled cascaded buck boost converter using multilevel inverter system.	Journal of computational and theoretical nanoscience	International Journal
		Development of raspberry pi and IOT based monitoring and controlling devices for agriculture	Journal of social, technical and environmental sciences	International Journal
5	Dr.G.Venkatesan Professor	Steady State thermal analysis of power Factor converters in switched reluctance drive	Journal of social, technology and environmental science	International Journal
		Real Time Measurements of Transient Thermal Analysis for Power Factor Converters in Switched Reluctance Motor Drive	International Journal of Pure and Applied Mathematics	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
6	K.Ravi Associate Professor	Dwindling of harmonics in CML inverter using genetic algorithm optimization	International journal of pure and applied mathematics	International Journal
7	Dr.K.Ramash kumar Professor	Wavelet Based power quality disturbances analysis of bldc motor drive	Journal of social, technical and environmental sciences	International Journal
		Implementation of photovoltaic mppt with regulated load power controller for positive output elementary output super lift Luo-converter	International journal of pure and applied mathematics	International Journal
		Real time implementation of modified hybrid based digital pulse width modulation usingilinx spatron 3A dsp FPGA	International journal of pure and applied mathematics	International Journal
		Variable frequency based sliding mode control for positive out elementary boost conveter	Journal of advanced research in dynamic & control systems	International Journal
8	P.Santhosh Associate Professor	Renewabl (E) nergy locomotive	International journal of pure and applied mathematics	International Journal
		n-detect test sets: A novel approach for LFSR fault simulation analysis using VLSI circuits	International journal of pure and applied mathematics	International Journal
9	G.Lourds Sajitha Asst. Prof.	Zero Voltage zero current switching dc/dc converter with high step up/ high efficiency	International journal of pure and applied mathematics	International Journal
		A Novel DC Link Coupled VL qZ Source Based Reduced Switch Multilevel Inverter	International journal of pure and applied mathematics	International Journal
10	T.Ranganathan Asst. Prof.	Virtual Instrumentation based simple economic load dispatch estimator model for	Journal of advanced research in	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
		3-phase power system network	dynamic & control systems	
11	Dr. A.Sanjeevi Gandhi Professor	Design of Mathematical Modelling and Control of Downdraft Biomass Gasifier	International Journal of Control and Automation	International Journal
		Industrial effluent water pH Neutralization controller design using LabVIEW & Matlab	International Journal of Pure and Applied Mathematics ,	International Journal
		Design for Modeling and Control of Temperature Process in Downdraft Gasifier System: Simulation Studies	International Journal of Pure and Applied Mathematics	International Journal
		Development of empirical model and controller for negative pressure wound therapy system	Bomedical Research	International Journal
		A Comprehensive study on protection, control and communication techniques: a key concept for microgrid intelligent operation	International journal of engineering and technology	International Journal
		Embedded design consideration for the implementation of food intake monitoring system: validated using LABVIEW software	International journal of engineering and technology	International Journal
		Vehicle parking management and reservation system using labVIEW	International journal of engineering and technology	International Journal
12	A.Charles Asst. Prof.	Iot Based Water Level Monitoring System Using Labview	International Journal of Pure and Applied Mathematics	International Journal
13	K.Sukanya Asst. Prof.	Modified Technique Gate Valve Control of Micro Hydro Power Plant Using Fuzzy Logic Controller	International Journal of Pure and Applied Mathematics	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
14	N.M.Ramya Asst. Prof.	Incorporating maximized solar power using centered differentiation and steepest descent in economic dispatch problem with thermal and wind generators	International journal of pure and applied mathematics	International Journal
15	A.Nagarajan Asst. Prof.	Smart Glass with Voice Recognition and Visual Processing Facility for Visually Impaired People	International journal of pure and applied mathematics	International Journal
		A Novel approach: interconnection of AC generator with DC bus using space vector modulation algorithm	International journal of pure and applied mathematics	International Journal
16	K.Sindhuja Asst. Prof.	Smart Glass with Voice Recognition and Visual Processing Facility for Visually Impaired People	International journal of pure and applied mathematics	International Journal
		Temperature Based Automation In Refrigeration Room Of Milk Processing Plant	International journal of pure and applied mathematics	International Journal
17	N.Niveditha Asst. Prof.	Dc Motor Modeling Based On Matlab Simscape Language	International journal of pure and applied mathematics	International Journal
18	R.Sundar Asst. Prof.	Virtual Instrumentation based simple economic load dispatch estimator model for 3-phase power system network	Journal of advanced research in dynamic & control systems	International Journal
19	R.Nisha Jenipher Asst. Prof.	Software And Hardware Implementation Of Smart Meter With Demand Response Using Proteus	International Journal of Pure and Applied Mathematics	International Journal
20	V.Govindaraj Asst. Prof.	Review of hybrid active power filter topologies and controllers for enhancement of power quality	International journal of pure and applied mathematics	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
		Renewable energy locomotive	International journal of pure and applied mathematics	International Journal
21	M.Sivaramakrishnan Asst. Prof.	Design and complementation of vertical Axis wind turbine conversion system for low wind speed areas.	International journal of pure and applied mathematics	International Journal
		Execution examination of a 3 phase AC matrix converter using distinctive transporter based exchanging algorithms.	International journal of pure and applied mathematics	International Journal
		Perturb and observe based photovoltaic Power Generation System for off Grid using SEPIC Converter.	International Journal of Pure and Applied Mathematics	International Journal
22	P.Jeyalakshmi Asst. Prof.	A Single Phase Boost Converter Based Five Level Inverter	International journal of pure and applied mathematics	International Journal
23	R.Smrithi, Asst. Prof.	Double synchronous reference frame PLL based solution for instability of wind turbine during unsymmetrical grid fault	International journal of pure and applied mathematics	International Journal
	K.P.Mathumitha Asst. Prof.	Implementation of single phase matrix converter for energy efficiency improvement in street lights	International journal of pure and applied mathematics	International Journal
Department of Electronics and Instrumentation Engineering				
1	Dr.S.Manoharan Professor	A New Control Strategy for Cascaded Multilevel Inverter with Reduced Number of Switches	Advances in Natural and Applied Sciences	International Journal
		Optimized Series Resonant Inverter for Induction Heating Application Using FPGA Based Implementation	Journal of Computational and Theoretical Nanoscience	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
		Utilization of Auxiliary Winding Power to Improve the Performance of a Single Phase Induction Motor—A Unique Approach	Journal of Computational and Theoretical Nanoscience	International Journal
		Performance improvement of ceiling fan motor using variable frequency drive with SEPIC converter	International Journal of Pure and Applied Mathematics	International Journal
		Servo and Regulatory Performance analysis in Conical Tank using different tuning strategies of PI Controller	International Journal of Pure and Applied Mathematics (IJPAM)	International Journal
		Adaptive fuzzy based UPFC controller for transient stability analysis in autonomous wind-diesel hybrid system	International Journal of Pure and Applied Mathematics	International Journal
		Analyzing solar PV system with interleaved DC-DC boost converter using fuzzy logic control	International Journal of Pure and Applied Mathematics	International Journal
		Improved design of harmonic filtering technique for ac and dc converters	International Journal of Pure and Applied Mathematics	International Journal
	Dr.S.Manoharan Professor	Performance comparisons of eleven level and fifteen level inverter with minimum number of switches	International Journal of Pure and Applied Mathematics	International Journal
		Optimal decision making of angle and location of the solar panels using HIG-DEF	International Journal of Pure and Applied Mathematics	International Journal
		A Novel Approach: Interconnection of AC Generator with DC bus using Space Vector Modulation Algorithm	International Journal of Pure and Applied Mathematics (IJPAM)	International Journal
		Improved Performance of First Order System with Dead Time Process using Modified Internal Model Controller.	International Journal of Pure and Applied Mathematics (IJPAM)	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
2	J.Indirapriyadharshini Asst. Prof.	A Novel Approach to Human Organ Preservation System using Virtual Instrumentation	International Journal of Earth Science and Engineering	International Journal
		Improved Performance of First Order System with Dead Time Process using Modified Internal Model Controller.	International Journal of Pure and Applied Mathematics (IJPAM)	International Journal
3	E. Govinda Kumar Asst. Prof.	Cascade PID-Lead Compensator Controller for Non-overshoot Time Responses of unstable system	Energy Procedia	International Journal
		Control of nonlinear two-tank hybrid system using sliding mode controller with fractional-order PI-D sliding surface	Computers & Electrical Engineering	International Journal
4	T.Sivaranjani Asst. Prof.	A Novel Approach to Human Organ Preservation System using Virtual Instrumentation	International Journal of Earth Science and Engineering	International Journal
		Improved Performance of First Order System with Dead Time Process using Modified Internal Model Controller.	International Journal of Pure and Applied Mathematics (IJPAM)	International Journal
5	G.Suresh Kumaar Asst. Prof.	Optimized Space vector Algorithm for seven level cascaded hybrid inverter using decomposition method	International journal of pure and applied mathematics	International Journal
		Cloud computing based load flow monitoring for a three phase power system network	Journal of social, technology and environmental science	International Journal
		Wireless Integrated Sensor Based shopping system	International Journal of Pure and Applied Mathematics	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
		Power Quality Improvement For A Grid Connected Pv System Using Power Converter	International Journal of Pure and Applied Mathematics	International Journal
		Development of prototype model for an automatic door closure for railway gates	Journal of social, technology and environmental science	International Journal
		MATLAB simulations on object counting and density calculations for an image	International journal of pure and applied mathematics	International Journal
6	R.Krishna Kumar Asst. Prof.	Power Quality Improvement For A Grid Connected Pv System Using Power Converter	International Journal of Pure and Applied Mathematics	International Journal
7	P.Palpandian Asst. Prof.	Servo and Regulatory Performance analysis in Conical Tank using different tuning strategies of PI Controller	International Journal of Pure and Applied Mathematics	International Journal
8	J.Arulvadvu Asst. Prof.	Servo and Regulatory Performance analysis in Conical Tank using different tuning strategies of PI Controller	International Journal of Pure and Applied Mathematics	International Journal
9	N.Gowthaman Asst. Prof.	A Novel Approach: Interconnection of AC Generator with DC bus using Space Vector Modulation Algorithm	International Journal of Pure and Applied Mathematics	International Journal
10	N.Divya Asst. Prof.	A Survey on Tuning of PID Controller for Industrial Process using Soft Computing Techniques	International Journal of Pure and Applied Mathematics	International Journal
Department of Electronics and Telecommunication Engineering				
1	Dr. B. Nagaraj Professor	A Survey On Border Alert Systems For Fisherman	Pakistan journal of biotechnology	International Journal
		Flexible 2-tree fuzzy C-means based image segmentation	Pakistan journal of biotechnology	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
2	P. Divyabharathi Asst. Prof.	Application of Hybrid PSO for Enhancing Feature Selection in Network Intrusion Detection Systems	International Journal Of Pure And Applied Mathematics	International Journal
3	S.Manikandan Asst. Prof.	Hybrid Solar Energy Harvesting System	International Journal of Pure and Applied Mathematics	International Journal
		A Perspective Approach To Set Topological Definitions	International Journal of Pure and Applied Mathematics	International Journal
Department of Information Technology				
1	Dr.S. Manoj Kumar Professor	Analysis and detection of adverse drug reactions of pharmacovigilance analytics in cloud (PAC)	Perspectives emciencia da informacao	International Journal
2	Dr. J. MannarMannan Professor	An Intelligent Optimization Scheduling on Smart Grid for Demand side Power Distribution Management Using Cloud Computing	Journal of Advanced research in Dynamic and Control Systems.	International Journal
		An Ontology based multimedia Information retrieval system for community question answering(CQA) on web using text based query	International Journal of Pure and Applied Mathematics	International Journal
3	Dr.P.Thinakaran Professor	Virtualization in Map reduce for efficient data Movements in Twitter data	Journal of Advanced research in Dynamic and Control Systems	International Journal
		Exploration of the authenticity and data integrity in cloudlet environment using security agent	International Journal of Pure and Applied Mathematics	International Journal
4	P.D.Mahendhiran Asst. Prof.	Comprehensive Survey on Context – A ware Computing	International Jounal of Pure Applied Mathematics	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
5	Dr. K. Mahalakshmi Professor	Dynamic Virtual Machines Building Utilization KBR Agent for Information Security in Hybrid Cloud.	Journal of Advanced research in Dynamic and Control Systems.	International Journal
		Agumented perspective mining methodology for controlled social media	Pakistan journal of biotechnology	International Journal
		Aggrandized Technique for Recognizing of Offensive Language in Online	Pakistan Journal Of Biotechnology	International Journal
		Exploration of the authenticity and data integrity in cloudlet environment using security agent	International Journal of Pure and Applied Mathematics	International Journal
		Implementation of ID3 Decision Tree Algorithm and Navie Bayes Classifier	Journal of Advanced research in Dynamic and Control Systems.	International Journal
		HEALTHCARE VISIBLE LIGHT COMMUNICATION	International Journal of Pure and Applied Mathematics	International Journal
		Comparision of classification techques on datamining	International Journal of Pure and Applied Mathematics	International Journal
		Virtualization in map reduce for efficinet data moven\ment in twitter data	Journal of Advanced research in Dynamic and Control Systems.	International Journal
		Offline Remote path Board Structure based on GPS /WiFi Location Access	IJCTA	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
6	Gopikrishnan.S Asst. Prof.	Hybird communication for energy – efficient data aggregatin in wireless sensor networks	Ad Hoc and Ubiquitous Computing	International Journal
		HAAC:Reinforching VANET Security Using Ant Colony OptimizAtion Through Heuristic Approach	International Jounal of vehicle structures & systems	International Journal
7	B.P.Sreeja Asst. Prof.	Wireless sensor network applications : A study	International Journal of Pure and Applied Mathematics	International Journal
		Realization of speech in design intent of geometric modelling	International journal of engineering and technology	International Journal
8	R. Keerthika Asst. Prof.	Implementation of ID3 Decision Tree Algorithm And Navie Bayes Classifier in Data Mining For Brain Diseases	Journal of Advanced Research in Dynamical and Control System	International Journal
		An Optimized Support Vector Machine for Classifying Opinions in M Learning Systems Applied To Biotechnology Domain	Research Journal of Biotechnology	International Journal
		Augmented Perspective Mining Methodology for Controlled Social Media	Pakistan Journal of Bio Technology	International Journal
		Aggrandized Technique for Recognising of Offensive Language in Online Network	Pakistan Journal of Bio Technology	International Journal
		An architectural approach to prevent code injection attacks on Data encryption	International Journal of Pure and Applied Mathematics	International Journal
	R. Keerthika Asst. Prof.	Road vehicle alerting and accident detection system using IOT	International Journal of Pure and Applied Mathematics	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
9	G.Saratha Devi Asst. Prof.	A survey on information centric networks for communication in internet of things	International Journal of Pure and Applied Mathematics	International Journal
		An enhanced voice based chat bot using artificial intelligence	International journal of engineering and technology	International Journal
10	P.Sherubha Asst. Prof.	Energy Efficient and Bandwidth aggregation techniques in Wireless Heterogeneous devices: A survey	International Journal of Pure and Applied Mathematics	International Journal
		Multi class Feature Selection Algorithm For Effective Breast Cancer Detection	International Journal of Pure and Applied Mathematics	International Journal
Department of Mechanical Engineering				
1	Dr. S. Nagaraja Professor	Effect of weight fraction and particle size of CRT class on the tribological behavior of Mg-CRT-BN hybrid composites	Tribology International	International Journal
		Validation of experimental test results with aid of artificial neural of palm oil methyl ester diesel blends as fuel in diesel engine	International Journal of Pure and Applied Mathematics	International Journal
2	Dr.M.Raja Sankar Professor	Experimental investigation on the characteristics of diesel fuel in a DI diesel engine using two stage cams split injection method.	International Journal of Mechanical Engineering and Technology (IJMET)	International Journal
3	Dr.C.Krishnaraj Professor	Aggregate Production Planning: Mixed Strategy	Pakistan Journal of Biotechnology	International Journal
		Comparison Analysis Of A6061-O And A6061-T6 Composites Produced By Using Friction Stir Process	International Journal Of Pure And Applied Mathematics	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
		Analysis Of Emission And Heat Transfer Of Catalytic Coated Copper Ic Engine	International Journal Of Pure And Applied Mathematics	International Journal
		Development And Comparison Of Tensile Strength, Surface Micro Hardness And Microstructure Of Aa6061/Zrb2 And Aa6061/Zrb2/Sic Aluminum Metal Matrix Composite	International Journal Of Pure And Applied Mathematics	International Journal
		A Review On Enhancing The Design And Analysis Of Steering Wheel By Reducing The Ratio	International Journal Of Pure And Applied Mathematics	International Journal
4	Dr. N.V Dhandapani Professor	An Investigation of linear analysis of on road vehicle chassis for the various special effects of stress and deformation by FEM.	International Journal of Mechanical Engineering and Technology (IJMET)	International Journal
		Stress analysis in automotive chassis using analytic hierarchy process	International Journal of Pure and Applied Mathematics	International Journal
		A study on reduction of cost in castings by the method of radiographic test	International Journal of Pure and Applied Mathematics	International Journal
		A Review on usage of carbon fiber reinforced plastics in automobiles	International Journal of Pure and Applied Mathematics	International Journal
		Design and Analysis of Automotive chassis frame using FEM	International Journal of Pure and Applied Mathematics	International Journal
5	Dr. P. Dhanapal Professor	Higher Temperature Corrosion Behavior of 304 Stainless Steel	International Journal of Pure and Applied Mathematics	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
		Design And Analysis Of Composite Helical Spring For Two Wheeler Shock Absorber	International Journal of Pure and Applied Mathematics	International Journal
6	Dr.R.Manimaran Professor	Multi-Objective Optimization Of Cadi Production Parameters Using Grey Relational Analysis	International Journal of Mechanical Engineering and Technology (IJMET)	International Journal
		Experimental investigation on heat transfer enhancement in a minichannel using CuO-water nanofluid	International Journal of Ambient Energy	International Journal
		Numerical Study Of Geometrical Parameter In Spring Back For Straight Flanging Aluminum Composite	International Journal of Pure and Applied Mathematics	International Journal
		Study Of Hardness At Different Locations Of Cast Al/Tib2 Mmc Cast Ingot Based On Microstructures	International Journal of Pure and Applied Mathematics	International Journal
7	Mr.V.V.Arun Sankar Asst. Prof.	Higher Temperature Corrosion Behavior of 304 SS	International Journal Of Pure And Applied Mathematics	International Journal
		Analysis and Design Optimization in the structural member of a double girder overhead crane	International Journal Of Pure And Applied Mathematics	International Journal
8	Mr.N.Subramani Asst. Prof.	Optimization of injection moulding mould flow analysis using Taguchi approach	International Journal Of Pure And Applied Mathematics	International Journal
		Analysis of emission and heat transfer of catalytic coated Copper IC engine	International Journal Of Pure And Applied Mathematics	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
		Comparison analysis of A6061- O and A6061 – T6 Composites produced by using Friction Stir Process	International Journal Of Pure And Applied Mathematics	International Journal
9	Mr.K.Ramesh Asst. Prof.	Multi Objective Optimization Of Cadi Production Parameters Using Grey Relational Analysis	International Journal Of Mechanical Engineering And Technology	International Journal
		Design And Analysis Of An Instrument For Measuring Radius Of Segment	International Journal Of Pure And Applied Mathematics	International Journal
		Clutch Plate Fabrication By Using Al-Sic Metal Matrix Composites	International Journal Of Pure And Applied Mathematics	International Journal
10	Mr.S.Ramesh Kumar Asst. Prof.	A Study on Performance Characteristics Analysis of Chassis Frame of the Vehicle-Review	International Journal of Pure and Applied Mathematics	International Journal
		A Review on Heat Transfer and Thermal Analysis of Disc Brake System	International Journal of Pure and Applied Mathematics	International Journal
		Design Evaluation and Analysis of Two Wheeler Suspension Helical Compression Spring	International Journal of Pure and Applied Mathematics	International Journal
		Design and Analysis of Automotive Chassis frame Using Finite Element Method	International Journal of Pure and Applied Mathematics	International Journal
11	Mr.R.Masilamani Asst. Prof.	A Review On Usage Of Carbon Fiber Reinforced Plastics In Automobiles	International Journal Of Pure And Applied Mathematics	International Journal
		A Review On Enhancing The Design And Analysis Of Steering Wheel By Reducing The Ratio	International Journal Of Pure And Applied Mathematics	International Journal
12	Mr.R.Haridass Asst. Prof.	Design and Fabrication of Bladeless Windmill	International Journal of Pure and Applied Mathematics	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
		Determination Of Corrosion Behavior Of Al6063-Sic-Rha Metal Matrix Composites	International Journal of Pure and Applied Mathematics	International Journal
13	Mr.T.Rajesh kumar Asst. Prof.	Design and Analysis of DRAG Reduction in Truck prototype	International Journal of Pure and Applied Mathematics	International Journal
14	Mr.D.Manikandan Asst. Prof.	Conceptual Approach In Developing Prototype Model Of The Machining Set-Up For Globoid Worm Gear	International Journal Of Pure And Applied Mathematics	International Journal
		Optimization Of Air Brake System Of Heavy Vehicles	International Journal Of Pure And Applied Mathematics	International Journal
15	Mr.E.Vignesh Asst. Prof.	Enactment Enlargement Of Welding Process By Menas of Passivation Systems	International Journal Of Pure And Applied Mathematics	International Journal
		A Numerical Analysis effect of vent hole parameters on the mechanical properties in sand casting process	International Journal Of Pure And Applied Mathematics	International Journal
16	Mr.M.Rajesh Asst. Prof.	Analyzing The Mechanical Properties Of Alm4 Reinforced With Micro Sic & Red Mud By Stir Casting	International Journal Of Pure And Applied Mathematics	International Journal
		Design Evaluation And Analysis Of Two Wheeler Suspension Helical Compression Spring.	International Journal Of Pure And Applied Mathematics	International Journal
17	Mr.S.Sathishkumar Asst. Prof.	A Study on Performance Characteristics Analysis of Chassis Frame of the Vehicle-Review	International Journal of Pure and Applied Mathematics	International Journal
		A Review on Heat Transfer and Thermal Analysis of Disc Brake System	International Journal of Pure and Applied Mathematics	International Journal
		Thermal Conductivity Of Natural Fiber Reinforced Plastics	International Journal of Pure and Applied Mathematics	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
		Temperature Dissipation And Thermal Expansion Of Automotive Vehicle Brake Disc	International Journal of Pure and Applied Mathematics	International Journal
18	Mr.V.Aravinthasamy Asst. Prof.	Tyre Pressure Monitoring System Using Wireless Communication	International Journal Of Pure And Applied Mathematics	International Journal
		Temperature Dissipation And Thermal Expansion Of Automotive Vehicle Brake	International Journal Of Pure And Applied Mathematics	International Journal
19	Ms.T. Soundharya Asst. Prof.	Stress analysis in automotive chassis using analytic hierarchy process.	International Journal Of Pure And Applied Mathematics	International Journal
20	Mr.K.R. Mathevanan Asst. Prof.	Design And Analysis Of Composite Helical Spring For Two Wheeler Shock Absorber	International Journal Of Pure And Applied Mathematics	International Journal
		Optimization Of Machining Parameters Of WCEDM For Titanium Alloy 6242 Using Multi Objective Techniques	International Journal Of Pure And Applied Mathematics	International Journal
21	Mr.Ilyas Hussain Asst. Prof.	Effect Of Variation In Zinc Content And Ageing Treatment On Tribological Properties Of Cast Aluminum-Zinc Alloys	International Journal Of Pure And Applied Mathematics	International Journal
22	Mr.R.Krishnan Asst. Prof.	Validation of Experimental test results with aid of Artificial Neural Network of Palm Oil Methyl Ester-Diesel Blends as Fuel in Diesel Engine	International Journal Of Pure And Applied Mathematics	International Journal
Department of MCA				
1	Dr. V. Narayani Professor	Prediction of Dropout: Comparative Analysis on ID3 and C4.5	International Journal of Pure and Applied Mathematics	International Journal
		Analysis of student dropout forecasting using data mining	International Journal of Advanced Technology in Engineering	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
			and Science	
		Early prediction of systemic lupus erythematosus using hybrid K-Means J48 decision tree algorithm	International Journal of Engineering & Technology	International Journal
		Design and Implementation of Optimal Chain Based classification algorithm (OCBCA) for early prediction of Systemic Lupus Erythematosus	International Journal of Pure and Applied Mathematics	International Journal
2	Dr.K.Anuradha Associate Professor	A Study on the Academic Performance of College Teachers based ed on Key Performance Indicators	International Journal of Trend in Scientific Research and Development	International Journal
		Histological grading of Oral tumors using Fuzzy Cognitive Maps	Biomedical and Pharmacology Journal	International Journal
		Application of Fuzzy Cognitive Map in Voluntary Retirement Analysis	International Journal of Pure and Applied Mathematics	International Journal
		Efficient Oral Cancer Classification using GLCM Feature Extraction and Fuzzy Cognitive Map from Dental Radiographs	International Journal of Pure and Applied Mathematics	International Journal
3	R. Gokila Asst. Prof.	Integration of cloud computing with Internet of Things with security issues	International Journal of Pure and Applied Mathematics	International Journal
		Mining Educational Data for Predicting Students Subject Knowledge using Decision Support System	International Journal of Pure and Applied Mathematics	International Journal

S. No	Name & Designation	Topic / Title	Name Of The Journal	Whether National / International
4	K. Uma Maheswari Asst. Prof.	Mining Educational Data for Predicting Students Subject Knowledge using Decision Support System	International Journal of Pure and Applied Mathematics	International Journal
		Integration of cloud computing with Internet of Things with security issues	International Journal of Pure and Applied Mathematics	International Journal
		Secure Effective key management in dynamic wireless sensor networks	International Journal of Pure and Applied Mathematics	International Journal
Department of Science and Humanities				
1	Dr.V.Eswara Moorthi Associate Professor	Reduced graphene oxide embedded titanium dioxide nanocomposite as novel photoanode material in natural dye-sensitized solar cells	Journal of Materials Science: Materials in Electronics	International Journal
2	Dr. C.K.Siva Shankari Associate Professor	Production Inventory Models For Deteiorative Items With Three Levels Of Production And Shortages	Yugoslavian Journal of Operations Research	International Journal
3	Dr.V.Eswaramoorthi, Associate Professor N.Preetha Asst. Prof. S.Padmavathi Asst. Prof.	Large Negative Magnetoresistance of $\text{Ni}_{50-x}\text{Mn}_{37+x}\text{Sn}_{13}$ Heusler Alloys	International Journal of Pure and Applied Mathematics	International Journal
4	Dr.M.Premalatha, Associate Professor S.Padmavathi Asst. Prof. N.Preetha Asst. Prof.	Ultrasonic Study on the Molecular Interactions of Hydroxyl)oh) Functionalized MWCNT-DOWTHERM a Nanofluids	International Journal of Pure and Applied Mathematics	International Journal
5	Dr. S. Alarmal Mangai Associate Professor	Pharmacological efficacy of trichodesma indicum (Linn) R. Br., in folk medicine – An updated review	Asian Journal of Pharamceutical and Clinical Research	International Journal

3.5 Details on Impact factor of publications:

Citations 1917

h-index 18

i10 Index 52

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	Outlay in Lakhs	Received in Lakhs
Major projects	-	-	-	-
Minor Projects	2017-18	Private	70.68	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Any other(Specify) <i>Students research projects</i>	-	Trust	0.19	0.19
Total	-	-	70.87	0.19

3.7 No. of books published

i) With ISBN No.

12

Chapters in Edited Books

-

ii) Without ISBN No.

3

Lab Manuals

90

S.No	Name of the Faculty	Title of the Book	Publisher	ISBN
1	Dr.C.Arvind, HoD/ETE	Optical Millimeter Wave Generation-A Research Perspective	Lambert Academic publishing	ISBN-13: 978-3-330- 34992-6
2	Dr. K. Anuradha, Prof / MCA	Introduction to Python	Laser Park Publishing House	ISBN:978938423414 0
3	Dr. K.Nithiyananthan Senior Professor / EEE	A chapter on “Energy Efficient Digital Serial Interfaces”	Lambert Academic Publishing, EUROPE	978-620-2-02167-8

S.No	Name of the Faculty	Title of the Book	Publisher	ISBN
4	Dr. C. R. Balamurugan, Professor / EEE	A chapter on “Basic Electrical and Instrumentation Engineering”	Magnus Publishers, Chennai.	ISBN: 978-81-934208-2-9
		Power Quality	Sri Krishna Publications, Chennai.	ISBN: 978-93-86590-15-2
		Control Systems	Sri Krishna Publications, Chennai.	ISBN: 978-93-86590-08-4
		Basic Electrical, Electronics and Instrumentation Engineering	Sruthi Publishers, Chennai	ISBN: 978-81-933710-8-4
		Micro Electro Mechanical Systems	Sruthi Publishers, Chennai	-
		High Voltage Direct Current Transmission	Krishna Publications, Chennai.	ISBN: 978-93-86590-31-2
5	Dr.C.R.Balamurugan, Professor / EEE Dr.P.Vijayakumar, Principal	Modulation strategies of Multilevel Inverter	Lambert Academic Publishing, EUROPE	978-613-9-83919-3
6	Dr.K.Ramash Kumar Professor / EEE	Electronics and Electrical New Findings	Meta Research Press	ISBN: 978-93-87388-14-7
7	Dr.C.R.Balamurugan, Professor / EEE Dr.P.Vijayakumar, Principal Dr.T.Rammohan , Professor / EEE	Z-source Multilevel Inverter Based on Embedded Controller	Lambert Academic Publishing, EUROPE	978-613-9-84292-6
8	S.Nithyanantham, AP/CSE	Software quality assurance	ARS Publication Chennai	ISBN-978-93-84608-96-5

3.8 No. of University Departments receiving funds from

UGC-SAP

-

CAS

-

DST-FIST

-

DPE

-

3.9 For Colleges

Autonomy	<input checked="" type="checkbox"/>	CPE	<input type="checkbox"/>	DBT Star Scheme	<input type="checkbox"/>
INSPIRE	<input type="checkbox"/>	CE	<input type="checkbox"/>	Any Other (specify)	<input type="checkbox"/>

3.10 Revenue generated through consultancy during the year

S. No	Name	Nature Of Job/ Projects	Sponsor Details	Outlay (Rs in Lakhs)
1	Mrs.Udya Nirmala Mary Mrs.G.Suganya	Rental Home Management System	Purva blue mount	1.3
2	Dr.M.Prakash Dr.S.Saravana kumar	Efficient grade to prevent from chain snatching	S&G Innovators	1.5
3	Ms.R.Nandhini Mrs.Udya Nirmala Mary	Novice Management System	Hexosoft	1.2
4	Mrs.J.Kiruba, Mrs.E.Ramakalaivani	Secure Data Sharing in Cloud Computing Using Revocable-Storage Identity-Based Encryption	YWAM Trust	1.2
5	Mr.S.Nithiyanantham Dr.K.BalaSaravanan	Online Travels Booking	Car and Car travels	0.8
6	Mrs.G.Suganya Mrs.E.Ramakalaivani	Smart harvesting farming app	Indo Fertilizer pvt co.	1.5
7	Mrs.R.Divya Dr S.Angel Latha Mary	Mining the data for Super Market	DA Supermarket	1.5
8	Mrs.S.Karthiga	Automation billing using smart phone	SK garment Industry	1.1

S. No	Name	Nature Of Job/ Projects	Sponsor Details	Outlay (Rs in Lakhs)
9	Dr.S.Manoharan, Mr.E.Govindakumar	Estimation of Nonlinearity in process control loop by using time delay identification	Emerick Automation Coimbatore	1.48
10	Ms.J.Indira priyadharshini, Ms.T.Sivaranjani,	Design of hybrid controller for Higher order Industrial process	Fyrsta Innovations (India) Private Limited, Bangalore	1.52
11	Ms.N.Divya Ms.J.Arulvadvu	GSM based remote monitoring system for Industrial Process	Elger controls India private limited Coimbatore	1.53
12	Mr.P.Palpandian, Mr.N.Gowthaman	Remote Monitoring and control of sewage water in process industry	Milltronics Ematiks Coimbatore	1.53
13	Mr.A.Charles Mr.T.Ranganathan	Design & Development of Intelligent Electronic Transformer.	Edison Transformers	1.75
14	Dr.C.R.Balamurugan Ms..R.Nisha jenifer	Design and Development of control and protection for hybrid renewable Integration.	Mass power India company	1.25
15	Mr.P.Santhosh Mr.V.Govindaraj	High reliability DC-DC Converter for Integrating Battery with low voltage DC System.	Electro power company Pvt Ltd.	1.5
16	Mr.R.Chandrasekaran Mr.G.Suresh kumaar	Harmonic compensation using distributed Solar PV Inverters.	Bharath Solar Energy company.	1.35
17	Dr.T.Ram mohan Ms.N.Niveditha	Facial expressions analysis and Emotions Recognition.	Inertias image control Pvt ltd.	1.65

S. No	Name	Nature Of Job/ Projects	Sponsor Details	Outlay (Rs in Lakhs)
18	Dr.K.Nithiyananthan Ms.K.Sukanya	Intelligent fault diagnosis of high performance Electric drives.	Varsa drives pvt ltd	1.75
19	Dr.K.Ramash kumar Mr.M.Sivramkrishnan	Design and feedback controller for DC-DC converters.	Delta VFD Delars company	1.25
20	Ms.K.Sindhuja Mrs.N.M.Ramya	Study and rating verification electrical systems in savage water plant.	K Amirtha sewage water plant company.	2.0
21	G.Lourds Sajitha Mrs.P.Jeya lakshmi	A Study on tuned variable harmonic filter for harmonics in power system	S.K.Sugars company	2.0
22	Dr.G.Venkatesan Mr.A.Nagarajan	Switched mode reluctance drive for wind energy conversion system.	Indo hybrid company energy limited	1.75
23	Dr. K. Ramash Kumar	Solar Tree	Karpagam Charity Trust, Coimbatore	0.19
24	Dr. B. Nagaraj Dr. C. Arvind Mr. C. Manikandan Ms. A. Vimala Ms. M. Abirami Mr. C. Arulmurugan Ms. P. Divyabharathi	PCB Design for temperature Monitoring and Controlling in Plastic Moulding System	R. K. Power Systems	1.42
25	Mr. D. Raja Godwin Ms. L. Saranya Ms. R. Prashanthi Ms. R. Selvakumar	Home Automation System	Gururaj Engineers	1.63

S. No	Name	Nature Of Job/ Projects	Sponsor Details	Outlay (Rs in Lakhs)
26	Mr. C. Pranit Jeba Samuel Ms. S. Suja Mr. Ebin Ephrem Elavathingal	Incubator Controller	Comienz Technologies Pvt.Ltd.,	1.24
27	Mr. R. Harish Kumar Ms. Shennes Mathew Ms. R. Suganya Mr. G. Arun Francis	IoT Based Real-Time Monitoring System for Multiple Lead-Acid Batteries	Spectrum Embedded Solutions	1.57
28	Ms. T. Janani Ms. Munmun Sardar Dr. C. Priya Mr. C. Mukuntharaj	Mobile Robotic webcam	EmQoS Embedded Engineering Pvt. Ltd.	1.28
29	Dr. R. Vimalathithan Mr. K. Lakshmi Narayanan Ms. L. Saranya Ms. Adeline Daisy	Automation of Multi-Bore Well Pumpsets for Agriculture	Thumba Agro Technologies	1.09
30	Ms. S. Malini Mr. D. Raja Godwin Mr. G. Premananthan Mr. T. K. Sethuramalingam	An Embedded Automotive Monitoring Device	Simgrosys Ltd.,	1.5
31	Ms. A. Nivedita Mr. J. Dharman Ms. Shennes Mathew Dr. T. Arivoli	Automatic Power Supply Control Based on Embedded System	Accord Software and Systems pvt. Ltd.,	1.68
32	Dr.C.Krishnaraj Dr.P.Dhanapal	Design and Fabrication of Centrifugal Casting Machine for Bronze Gears	Latha Non Ferrous Castings, Palladam, Coimbatore	1.2

S. No	Name	Nature Of Job/ Projects	Sponsor Details	Outlay (Rs in Lakhs)
33	Dr.N.V.Dhandapani Mr.R.Masilamani	Design and analysis of Patterns for Textile Machine Component.	Sangeetha Pattern Works Kalapatti, Coimbatore	0.85
34	Dr.R.Manimaran Dr.M.Rajasankar	Development of Gas fired burners for LPG gas fired stress relieving furnace	Vijay oil and Gas Combustion System	2.35
35	Dr.E.Baburaj Dr.P.Dhanapal	Development of CAD for special attachment for Heavy Duty Lathe	Tech Flow Engineers, Coimbatore.	1.85
36	Dr.C.Krishnaraj Dr.P.Dhanapal	Modification of existing LPG fired salt bath furnace	Vijay oil and Gas Combustion System	2.15
37	Dr.C.Krishnaraj Dr.S.Nagaraja	Development of Machining of fan housing cover	Tech Flow Engineers, Coimbatore.	1.65
38	Ms.U Gayathri Mr. C.Balakrishnan	Hands on Training for Practising Engineers using Total Station	Practising Engineers, Coimbatore	1.2
39	Ms.E.ArundhavaPriya Ms.K.Dhivya Ms.S.Sukanya	Planning of a G+5 Apartment Building	Mr.Barathkumar Swasam Constructions	1.5
40	Mr S S Pravin	Planning of a residential building	Mr P Balamurugan, Sulur, Coimbatore	0.18
41	Ms S Rajeswari Mr N Mohanraj	Soil Test for a Residential Building	Mr P Balamurugan, Sulur, Coimbatore	0.36
42	Mr D Prasannan Ms S Priyanka	Structural Design and Detailing for Residential Building	Mr P Balamurugan, Sulur, Coimbatore	0.54
43	Mr R Manojsburam Mr M Deepak	Compressive strength Test for Cube specimen	Mr P Balamurugan, Sulur, Coimbatore	0.09

S. No	Name	Nature Of Job/ Projects	Sponsor Details	Outlay (Rs in Lakhs)
44	Ms S K Agalshri Mr E Sakthivel	Water Quality assesment of a Bore for a residential building	Mr P Balamurugan, Suler, Coimbatore	0.18
45	Ms.S.Rajeswari Ms.S.Priyanka	Soil Test for a Residential Building	Mr.S.Saravana kumar Nakshathra	0.5
46	Mr.N.Mohanraj Mr.D.Prasannan	Structural Design and Detailing for a Residential Building	Mr.S.Saravana kumar Nakshathra Builders, Coimbatore	1
47	Ms.S.K.Agal Shri Mr.E.Sakthivel Mr.P.Jeganmurugan Ms.U Gayathri	Water Quality Assesment of a Bore for a Residential Building	Mr.S.Saravana kumar Nakshathra Builders, Coimbatore	0.13
48	Mr.R.Manojsuburam Mr.M.Deepak Ms.E.ArundhavaPriya	Compressive Strength Test For Cube specimen	Mr.S.Saravana kumar Nakshathra Builders, Coimbatore	0.1
49	Mr.N.Mohanraj Mr.S.Veeradhithyan Mr.M.Deepak	Soil Test for a Residential Building	RK Constructions SITRA, Coimbatore	0.25
50	Dr. Mahalakshmi K	On-line Customer Feedback System	Applied Controls	1.5
51	Dr. Mahalakshmi K	Android Mobile Application for Integrated Customer Feedback System	KM mobiles	1.58

S. No	Name	Nature Of Job/ Projects	Sponsor Details	Outlay (Rs in Lakhs)
52	Dr. J. Mannar Mannan	Critical traffic Control Using IOT	Mindnotix	1.27
53	Dr. Thinakaran P	An Intelligent Disease Prediction System	Thulir Medicals and Lab	2.10
54	Dr. J. Mannar Mannan	On-line Appointment and Patient Details Management System	Athiyaman	2.3
55	Dr. J. Mannar Mannan	On-line Appointment System	Nitha Hospital	2
Grand Total				70.87

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	7	1	-	-	-
Sponsoring agencies	IEEE / Institution	Institution	-	-	-

Conferences organized by the Institution:

- ❖ IEEE Sponsored International Conference on Intelligent Computing and Control (I2C2) organized by Karpagam Innovation Centre, held on 23rd & 24th June, 2017.
- ❖ Fourth International Conference on Electrical, Electronics, Instrumentation and Computer Communication (EEICC'17) organised by Department of Electronics and Instrumentation Engineering on 19th and 20th January 2018.

- ❖ International Conference on Electronics and Telecommunication Systems 2018 (ICETS' 18) organised by Department of Electronics and Telecommunication Engineering on 22nd March 2018.
- ❖ International Conference on Innovation in Signal Processing Communication & Information Systems (I2SCI'18) organised by Department of Information Technology on 8th and 9th March 2018
- ❖ 12th International Conference on Intelligent Systems and Control (ISCO-2018) held on 5th & 6th January 2018.
- ❖ International Conference on Advanced Information and Communication Technology (ICAIC'18) organized by the Department of Computer Science and Engineering on 8th March 2018 and 9th March 2018.
- ❖ International Conference on “Contemporary Topics in Electrical and Electronics Engineering” (ICCTEEE'2018) organised by Department of Electrical and Electronics Engineering on 27th & 28th February, 2018.
- ❖ 7th National Conference on “Emerging Trends in Electronics, Instrumentation Automation and Control (ETEIAC)” organised by Department of Electronics and Instrumentation Engineering on 16th March 2018.

3.12 The faculty members served as experts, chairpersons or resource persons

8

S. No	Name & Designation	Position/ Assignment	Name of the Program/ Meeting	Name of the University/ College	Whether National / International
1	Dr.K.Nithiyananthan Senior Professor / EEE	Resource Person	Anna University sponsored seven days Faculty Development Programme	Government College Of Engineering, Srirangam	National
2	Dr.K.Ramash Kumar Professor / EEE	Resource Person	Faculty Development Program on Application of Matlab/Simulink to Electrical Systems	Bapatla Engineering College, Bapatla, AP	National
		Resource Person	CSIR sponsored workshop on Control techniques and Soft computing Methodologies in Power electronics-A Recent	Sri Ramakrishna Institute of Technology, Coimbatore	National

S. No	Name & Designation	Position/ Assignment	Name of the Program/ Meeting	Name of the University/ College	Whether National / International
			Perspective		
3	Dr.C.R.Balamurugan Professor / EEE	Resource Person	One day technical seminar on Power Electronics for Renewable Energy Systems	Sri Balaji Chockalingam Engineering College, Arni, Thiruvannamalai Dt.	National
4	Dr. N V Dhandapani, Professor / Mech	Resource Person	Guest Lecture on Fundamentals of Engineering Mechanics	TIPS Global Institute of Technology, Coimbatore.	National
		Resource Person	FDP on Fatigue and Fracture Mechanics	Nehru Institute of Engineering and Technology, Coimbatore	National
		Resource Person	FDP on Automated Guided Vehicle System	Nehru Institute of Engineering and Technology, Coimbatore	National
		Resource Person	Guest Lecture on Recent Trends in power train design of HCV's	Coimbatore Institute of Technology Coimbatore	National
5	Dr.S.Manoharan, Prof and Head/ EIE	Editorial Board Member	International Journal of Electrical Energy	-	International
6	Dr.S.Saravana Kumar, Prof/CSE	Principal Investigator	Research Board Meeting	Vel Tech Engg. Works, Chennai	National
7	Dr.M.Prakash, Prof/CSE	Co-investigator	Research Board Meeting	Vel Tech Engg. Works, Chennai	National
8	Dr.S.S.Shanthakumari, Director / MBA	Resource Person	Guest Lecture - Business Analytics	PSG College of Arts and Science, Coimbatore	National

3.13 No. of collaborations

International National Any other

3.14 No. of linkages created during this year 6

S.No	Department	Name of the Company
1.	Automobile Engineering	M/s. Mangla Smart Energy Solutions
2.	Civil Engineering	M/s. C CUBE Technologies, Coimbatore.
3	Information Technology	M/s. Google Developers Group, Coimbatore
4	Computer Science Engineering	M/s. AWS (Amazon Web Service)
5	Electronics and Communication Engineering	M/s. CANGO Networks Pvt Ltd, Chennai
6	Mechanical Engineering	M/s. Techflow Engineers, Coimbatore

3.15 Total budget for research for current year: (Rs in Lakhs)

From funding agency	70.68	From Management of University/College	0.19
Total	70.87		

3.16 No. of patents received during 2017 - 18

Type of Patent		Number
National	Applied	10
	Granted	2
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

S. No	Name	Patent Title	Patent No (or) Application No
1	S.Nithyanantham, AP/CSE	A Portable Heating Article	201741016846A
2	Arjun Arangil I ME (Comm. Sys) Department of ECE	Portable Security System	201741008870
3	Suhail M IV BE (EEE) Department of EEE	Smart Rubber Tapper	201841043534

S. No	Name	Patent Title	Patent No (or) Application No
4	Gowtham IV BE (EIE) Department of EIE	Bread Omelets Vending Machine	201841044816
5	Dr.B.Nagaraj Professor / ECE	Smart Rubber Tapper	201841043534
6	Dr.C.Arvind, Associate Professor,ECE	An Energy Efficient Multi Channel Temperature monitoring and controlling PCB for Shell cast Foundry	201641028076A
7	Dr.C.Arvind, Associate Professor,ECE	Fixture for Hose Inserter and Puller in Bore wells	201641030312A
8	Ms. S.Deepa, AP/ECE	Water Tank Cleaning Device	59747
9	Ms. S. Deepa, AP/ECE	Hybrid Gripper unit for rescue operations in bore wells	52016
10	Dr.B.Nagaraj Professor / ECE	Audience Behaviour Rating(AB-Rating)	201641034413

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

Total	International	National	State	University	Dist	College
12	-	12	-	-	-	-

S.No	Name with Designation	Nature of work for which awarded	Felicitating body	Details of award, cash prize, certificate...	Date
1	Dr.M. Prakash, Prof/ CSE	Outstanding Faculty	Venus International Foundation	Memento and Certificate	08.07.2017
2	Dr.S.Angel Latha Mary, Prof/CSE	Distinguished Faculty	Venus International Foundation	Memento and Certificate	08.07.2017
3	Dr.S.Angel Latha Mary, Prof/CSE	Excellence in Teaching and Research Award-2017	IASTE	Memento and Certificate	10.09.2017
4	Dr.S.Saravana Kumar, Prof/CSE	Excellence in Teaching and Research Award-2017	IASTE	Memento and Certificate	10.09.2017
5	Dr.M. Prakash, Prof/ CSE	Computer Society of India-Paper Presenter Award at International Conference for AY 2016-17	Computer Society of India-	Memento and Certificate	21.01.2018
6	Dr.S.Angel Latha Mary, Prof/CSE	Computer Society of India-Paper Presenter Award at International Conference for AY 2016-17	Computer Society of India-	Memento and Certificate	21.01.2018
7	S.Karthika, AP/CSE	Young Researcher-Computer Sceince and Engineering	Integrated Intelligent Research	Memento and Certificate	18.01.2018
8	Dr.S.Angel Latha Mary, Prof/CSE	Outstanding best practices and contribution in the field of Education and Research	Integrated Intelligent Research	Memento and Certificate	18.01.2018
9	Dr.C.Krishnaraj Professor / Mech	Young Faculty	Venus International Foundation	Memento and Certificate	08.07.2017

10	Dr. V. Rajeswari	Best Educationist Award	National Mahila Rattan Gold Medal Award - IIEEM	Gold Medal	05.08.2017
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3.18 No. of faculty from the Institution who are Ph. D. Guides

22

and students registered under them

125

3.19 No. of Scholars obtained Ph.D. from the Institution

Nil

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

100

State level

1

National level

1

International level

-

The Institution has an active National Service Scheme (NSS) unit with Prof.P.Lakshmana Kumar, ASP/Auto as the Programme Officer. Mr. S. Suthagar , IV year Mech is the Secretary and Ms. Anne Veronica III Year ETE is the Joint Secretary for this unit

LIST OF NSS ACTIVITIES

S. No	Date & Venue	Name of the Activity	Organized by	Remarks
1	21.06.2017 KCE campus	International Yoga Day Celebrations	NSS volunteers	Yoga and Meditation practice was done by Sandhiya, IV year
2	02.07.2017 Perur	Cleaning of Noyyal River	NSS volunteers	In association with <i>Kovai Kulangal Paadhugaappu Amaippu (Coimbatore Tank Protection Committee)</i>

S. No	Date & Venue	Name of the Activity	Organized by	Remarks
3	07.07.2017 Coimbatore	Awareness Programme on Nalamdhaanaa	Kikani Higher Secondary School, Coimbatore	12 volunteers participated
4	13.07.2017 KCE campus	Awareness Programme on <i>Udalin Mozhi (Body Language)</i>	Mr. W. Durairaj, Social Service Activist	Lecture on “Healthy Food for Organ Clock” delivered
5	15.07.2017 29.07.2017 Ooty	Traffic Regulation Work	NSS Volunteers	NSS volunteers involved in Traffic regulation work at Ooty
6	20.07.2017 KCE Campus	Awareness Programme on Save our water bodies	Mr. N.Prathap, PRO, Kovai Kulangal Paadhugaapu Amaippu	Lecture on “how to save our water bodies”
7	27.07.2017 KCE Campus	Orientation Programme for NSS Volunteers	Dr.K.Ramesh, NSS Prorgamme CoOrdinator, Anna University, Chennai and Dr. M.Yuvaraj, NSS	Orientation along with an interactive session was handled by Dr.K.Ramesh and Dr.M.Yuvaraj
8	05.08.2017 Kundah Kothagiri	Inauguration of a Public Library	NSS Volunteers	A library with 500 books was inaugurated for the benefit of tribal children at Kundah Kothagiri, The Nilgiris
9	06.09.2017 KCE Campus	Awareness Prorgamme on Crowd Funding and its benefits	Mr. Shyam, Edudharma, Coimbatore	Lecture on “the benefits of crowd funding”
10	09.09.2017 Bharathiyar University	A Seminar on Save our Motherland	Anti Corruption Movement, Coimbatore district unit	9 NSS volunteers participated
11	23.09.2017 SRCAS, Coimbatore	<i>Thadai Athai Udai(Break the Barrier)</i> 2017 (Forum for UPSC Aspirants)	Sri Ramakrishna College of Arts and Science, Coimbatore	5 NSS volunteers participated

S. No	Date & Venue	Name of the Activity	Organized by	Remarks
12	06.10.2017 Anna University Regional Centre,	Tree Plantation Programme	NSS Programme Co Ordinator, Anna University Regional Centre, Coimbatore	10 NSS volunteers participated
13	07.10.2017 AU Regional Centre, Coimbatore	Pre Republic Day Selection Camp	NSS Programme Co Ordinator, AU Regional Centre, Coimbatore	Mr.R.Dineshkumar, II year Civil participated.
14	10.10.2017 & 11.10.2017 KCE Campus	Orientation Programme on NSS	NSS Programme Officer	For I year B.E/B.Tech students
15	06.01.2018 Porulur, Dharapuram	Swachh Bharat Abhiyan	In Association with Thoorigai Charitable Trust	5 NSS volunteers participated in White washing of School building, Cleaning of school premises
16	20.01.2018, 03.03.2018, 10.03.2018 & 24.03.2018 Coonoor	Traffic regulation work at Coonoor	NSS Volunteers	Traffic regulation work at Coonoor.
17	08.02.2018 and 09.02.2018, Anna University,	Two days State Level Confederacy	Anna University Chennai	7 NSS Volunteers participated

3.22 No. of students participated in NCC events:

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

3.23 No. of Awards won in NSS:

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

- ✓ Won Second prize in the poster presentation in the Two days State Level Confederation organized by Anna University, Chennai

Special Camp:



A team of NSS volunteers in a Special Camp at Peedampalli village for a week during 15.09.2017 to 21.09.2017. The activities undertaken includes

- Cleaning of water tanks.
- Cleaning of Temple premises.
- 50 Tree saplings planted in the village in association with *Nizhal Maiyam*, NGO, Coimbatore.
- Free Medical Camp for school children in association with Karpagam Hospital, Coimbatore.
- Awareness Rally on “Dengue and its prevention”.
- Awareness programme on Tree Plantation by Mr.Murugan, *Nizhal Maiyam*, NGO, Coimbatore. .
- Awareness programme on Communication Skills for the NSS volunteers.

3.24 No. of Awards won in NCC:

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

3.25 No. of Extension activities organized

University forum	-	College forum	10
NCC	-	NSS	22
		YRC	8

Student Clubs

KCE has four student clubs to connect, engage and explore the talents of the students.

Sl. No	Name of the Club	Club Advisor	Name of the Event
1	Drawing, Painting and Crafts Club	R. Indupoornima, AP/IT	Pencil Drawing (Eyes, Hair Styling, Face), Painting, Chalk Carving, Erase the Shading, Oil Painting, Soap Carving, Face Painting and Session for 3 D Drawing
2	Photography Club	S. Nithiyanantham, AP/CSE	“Incredible KCE”, “Save Water” themes
3	Nature Club	S. Manikandan, AP/ETE	Elevator and Fun Games
4	Music and Dance Club	Dr. P. Sathiyathan, AP/S&H	Introduction Week (Music and Dance) Western Round + Evergreen 80's KCE's Super Singer

Club Incharge: Dr. B. Nagaraj, Head/ Karpagam Innovation Centre

Club Co-ordinators: Mr. P. Santhosh, AP/EEE

Ms. V. Mithya, AP/ECE

Tamil Mandram Activities

The following activities were organized by Tamil Mandram during the academic year 2017-2018.

Sl.No	Type of Event	Name of the Speaker/Judge/Students	Date
1.	State Level Tamil Essay Writing, Tamil Poem Writing, and Tamil Speech	Kurinji Kabilar Kalai Tamil Sangam, Paramathivelur, Namakkal. In this state level event: 10 students participated from our college.	26-01-2018 (Republic Day Celebration)

Youth Red Cross

The Youth Red Cross (YRC) is lead by Prof. P.Lakshmana Kumar, ASP/Auto as Programme Officer. Youth Red Cross unit mainly focuses on Blood Donation, creation of awareness about it among students and lend helping hand for Orphanages.

LIST OF ACTIVITIES

S. No	Date & Venue	Name of the Activity	Organized by	Remarks
1.	14.06.2017 KCE Coimbatore	Blood Donation and its Awareness	Karpagam Faculty of Medical Sciences and Research, Coimbatore	To celebrate World Blood Donors Day
2.	29.08.2017 Karpagam Hospital, Coimbatore	Blood Donation	Karpagam Faculty of Medical Sciences and Research, Coimbatore	Volunteers donated Blood
3.	25.11.2017 Pollachi	Medical Camp	Karpagam Faculty of Medical Sciences and Research, Coimbatore	4 volunteers participated
4.	26.11.2017 Kuniamuthur Coimbatore	Medical Camp	Karpagam Faculty of Medical Sciences and Research, Coimbatore	4 volunteers participated
5.	30.11.2017 Karpagam Hospital Coimbatore	Blood Donation Camp	Karpagam Faculty of Medical Sciences and Research, Coimbatore	11 volunteers donated Blood
6.	23.12.2017 Pambalakombai village, near Coonoor, Nilgiris	Donation of Water bottles, Sweaters, Stationery items for tribal children	Karpagam College of Engineering, Coimbatore	23 volunteers participated
7.	10.01.2018 KMCH Hospital Coimbatore	Blood Donation	Kovai Medical College Hospital, Coimbatore	13 volunteers donated Blood
8.	13.01.2018 Government Primary School at Yellanalli, Nilgiris	Pongal Celebrations	YRC Volunteers	‘Harvest festival’ of Tamilnadu celebrated in a tribal village during January 2018

3.26 Major Extension and Institutional Social Responsibility Activities

- Blood Donation being a life saver activity, camps are routinely organised by the NSS/YRC volunteers with patronage from Karpagam Faculty of Medical Sciences and Research, Coimbatore
- NSS Volunteers of the institution assists the Traffic wing at Coonoor



Blood Donation by the NSS/YRC volunteers at Karpagam Faculty of Medical Sciences and Research, Coimbatore



A programme in the pongal festival on 13th January 2018, at Government primary school, Yellanalli, a tribal area in Nilgiris



Donation of Water bottles, Sweaters, Stationery for tribal children at Coonoor, Nilgiris on 23rd December 2017



Volunteer felicitated by the District Superintendent of Police for the Traffic regulation work at Coonoor on 24th March 2018

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	11.43 Ha	-	Trust	11.43 Ha
Class rooms	83	-	Trust	83
Laboratories	72	-	Trust	72
Seminar Halls	6	-	Trust	6
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	-	-	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	59.86	Trust	-
Others – Food Court and Hostel Block	-	-	Trust	-

4.2 Computerization of administration and library

The total number of computers in central library is 33 with two printers and enabled internet access for the students.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value Rs. Lakhs	No.	Value Rs. Lakhs	No.	Value Rs. Lakhs
Text Books	44,304	111.24	1612	6.32	45916	117.56
Reference Books	1814	7.05	120	0.42	1934	7.47
e-Books	-	-	-	-	-	-
Journals	287	3.35	14	0.47	301	3.82
e-Journals	223	7.72	-	-	196*	4.69
Digital Database	-	-	-	-	-	-
CD and Video	2404	-	64	-	2468	-
Others (specify)	5823		744	-	6567	-
Back volumes						
Project reports	2265		725	-	2990	-
Question papers	698	-	72	-	770	-

***Present subscription**

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Dept	Others
Existing Upto May 2017	1982	29	155 Mbps	6	-	12	202	-
Added June2017-May 2018	-	-	45 Mbps	2	-	1	35	60 (Scrap)
Total	1922	29	200 Mbps	8	-	11	237	60 (Scrap)

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

- Seminar on **“Power of networking”** organized by department of computer science and engineering on 11th July 2017
- Seminar on **“PHP Programming”** organized by department of computer science and engineering on 13th July 2017
- National level seminar on **“Deep learning models for cyber security and remote sensing”** organized by department of computer science and engineering on 13th and 14th July 2017
- National level workshop on **“Next generation cyber weapons”** organized by department of information technology on 8th August 2017
- One day seminar on **“Artificial Intelligence”** organized by department of information technology on 10th August 2017
- One day seminar on **“Exposure to secure web applications using spring hyphenate and angular Js”** organized by department of information technology on 19th August 2017
- One day workshop on **“IOT Designing end user applications”** organized by department of information technology on 22nd September 2017
- One day seminar on **“Basic Computer Skills”** organized by department of computer science and engineering on 13th and 15th November 2017
- One day Workshop on **“Big Data analytics and sentimental analysis”** organized by department of information technology on 18th & 19th December 2017

- One day Workshop on **“Python Programming”** organized by department of computer science and engineering on 22nd December 2017
- One day seminar on **“Executive overview to AGILE Scrum and KANBAN Method”** organized by department of information technology on 5th January 2018
- Seminar on **“Mining educational data for predicting student subject knowledge using decision support system”** held at 19th and 20th January 2018
- Seminar on **“Integration at cloud computing with IOT with security issues”** held at 19th and 20th January 2018
- Seminar on **“Secure effective key management in dynamic wireless sensor networks** held at 19th and 20th January 2018
- One day Workshop on **“Cyber Security”** organized by department of computer science and engineering on 20th January 2018
- One day workshop on **“Wireless Sensor Networks and IOT”** organized by department of information technology on 1st February 2018
- One day workshop on **“IOT in health care applications”** organized by department of information technology on 1st February 2018
- One day workshop on **“Cloud and Big data”** organized by department of information technology on 1st February 2018
- One day workshop on **“Internet of Things”** organized by department of information technology on 3rd March 2018

4.6 Amount spent on maintenance: (Rs. in Lakhs)

i) ICT	65.43
ii) Campus Infrastructure and facilities	490.15
iii) Equipments	59.86
iv) Others	2.50
Total :	617.94

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The student support services offered are:

➤ Tutor Ward Meeting

For a batch of 20 – 25 students, a Tutor from the department concerned is nominated. Every week one hour is allotted for the Tutor Ward Meeting. Tutors will have one-to-one contact with the students to identify the need of the students. Students can also meet their Tutors in their cabins after the class. Any issues related to academic, co-curricular and extra-curricular activities or others are brought to the knowledge of the Head of the Department and the issues sorted out. Accordingly the Advisors and Tutors counsel the students to remove their hardship.

➤ Class committee meeting

Every class has a Class Committee consisting of teachers of the class concerned, student representatives and with chairperson who is not the teacher for the class. It is like “Quality Circle” (more commonly used in industries) with the overall goal of improving the teaching-learning process. The class committee for a class under a particular branch is normally constituted by the Head of the Department. The functions of the class committee include the following:

- Addressing the difficulties experienced by students in Class room and Laboratories
- Clarifying the regulations of the Degree programme and the rules relevant is displayed on Institution Notice Board
- Informing the students representatives, the academic schedule including the dates of assessment and the syllabus coverage for each assessment test
- Informing the student representatives about the details of Regulations regarding weightage used for each assessment. In the case of practical courses (laboratory / drawing / project work / seminar etc.) the breakup of marks for each experiment / exercise / module of work, is discussed in the class committee meeting and the representatives inform the other students
- Analyzing the performance of the students of the class after each test and finding the ways and means of solving hardships, if any to make the learning process easier.

- Identifying the slow learners and requesting the teachers concerned to provide some academic help or guidance or coaching to such weak students so as to improve their academic performance.

➤ Physically challenged/differently abled students:

These students are provided with barrier free environment or provided with class rooms in the ground floor for their easy mobility.

➤ SC/ST, MBC, BC and economically weaker sections:

Students belonging to such of the above are given scholarships by the management in deserving cases. The Institution also facilitates students of the above category to get scholarships from Government of Tamilnadu during the course of their study.

➤ Students to participate in various competitions/conferences:

Students are encouraged to participate in various Seminars, Symposiums, Workshops, Conferences and Internship programmes. Students are given on-duty leave for participation. Special classes are conducted during Saturdays and evenings for the students as compensation.

➤ Health centre, health insurance etc.:

A health centre functions inside the campus which has a part time Doctor and an attendant Nurse. Students can make use of the service for any minor ailments. A full-fledged MCI approved Hospital run by the Trust “Karpagam Faculty of Medical Sciences and Research” is situated just a Kilometre away from the Institution. An ambulance is available in the Institution 24×7 for any emergency needs. Group health insurance facility is available for all the students along with faculty and Non-Teaching staff of the Institution.

➤ Skill development:

The computer literacy courses like C Programming and Laboratory are also offered to all the students. Students are divided into Batches as per skill sets and need based coaching classes are conducted starting from second year of their study (such as Aptitude, Reasoning / Problem Solving, etc.)

The detail of such programmes organised during 2017-18:

S.No	Skill Development Programs	Duration
1	Internet of Things	6 Months
2	Web Designing	6 Months
3	Mobile Servicing	6 Months
4	Advanced Networking	6 Months
5	CAD / CAM	6 Months

- Performance enhancement for slow learners/ students who are at risk of failure and dropouts:

The slow learners are identified through Result Analysis of CIA tests and class tests. Remedial classes are conducted to improve their performance. Question banks consisting of last five years Question papers of the End Semester Examinations along with answers are compiled and provided to those students. The e-content of the same is uploaded in the Institution Intranet which can be downloaded via Wi-Fi facility by the students.

- Exposure of students to other Institutions of higher learning/corporate /business houses, etc.:

Awareness programmes are conducted to provide the details about the higher studies in India and abroad. Orientation programmes are also conducted for the students on various competitive civil service examinations regularly by engaging outside experts. Each department releases a magazine every year, where in students of the department can contribute their Technical articles, Paintings, Themes, Poems. Students are encouraged to contribute for publications. Thus bringing out their innate quality.

5.2 Efforts made by the Institution for tracking the progression of the students:

- Based on the feedback from Class Committee Meeting, Tutor Ward Meeting and Result Analysis of the Continuous Internal Assessment Tests, slow learners are identified and coaching classes are conducted during evening hours and holidays
- For the slow learners the teachers concerned to provide additional help or guidance for improving academic performance.

- The teaching faculty prepare course materials for the courses offered before commencement of each semester. Such course materials are given to the slow learners to improve their performance in the CIA tests.
- Question bank with objective type questions with keys are provided to the students to enable them score better in the examinations. The e-content of the same is also uploaded in the Institution's intranet which the students can access anywhere inside the campus through Wi-Fi facility.

5.3 (a) Total Number of students

UG	PG	Research	Others
4042	116	131	-

(b) No. of students from outside the state

53

(c) No. of international students

NIL

Men

No	%
3256	75.91

Women

No	%
1004	24.09

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
223	377	16	3605	2	4223	214	316	10	3618	1	4159

Demand ratio: 77.5% Dropout : 0.96 %

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

In a competitive and scientific world planning and decision making become a hard-hitting task for students in picking up the right carrier path. In order to help each student realize his/her ultimate dream by making their career decision in a rational manner and to become responsible citizens, the institution has established the Higher Education Cell (HEC). HEC providing the students a guidance to enhance their knowledge in their area of study. It provides students counselling on the various courses available and encourages them to pursue a field of study in line with their skill sets, aptitude and career aspirations. The Cell also

prepares students for a lifelong commitment to learning to excel in their chosen area. Higher education cell also provides the services for those students who are willing to pursue higher education abroad. The cell provides the details of universities based on the student choice of course, country and budget. Even application processing and recommendations are done by the cell. HEC identifies the Aptitudes of the Students for Higher Studies; accordingly, the Department arranges 'Guidance' through Lectures by eminent personalities so as to assist the students in making their right choice regarding the Subjects, Courses and Universities, both in India and abroad. This is a well-structured Support System for students pursuing Higher Studies.

HEC - Action Plan

1. The students will be grouped based on their career aspirations.
2. The cell will guide the students in taking up various Competitive Examinations like CAT, GATE, SAT, GRE etc.
3. Induction and training classes will be conducted for the students in preparing them to face competitive exams.
4. Also counselling and webinars shall be conducted through the consultants and Alumni of the institution.

HEC conducts the following activities in the evening for the benefit of the aspirants

- Seminar about GATE/TANCET
- Awareness Programme on GRE & TOEFL
- Awareness programme on CAT/C-MAT
- Seminar on Overseas Education aids
- Seminar on “How to study in Abroad”
- GATE Coaching
- TANCET Coaching

The classes are pre planned and conducted regularly.

No. of student beneficiaries

300

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	04	CAT	-
IAS/IPS etc	-	State PSC	-	UPSC	-	Others	04

5.6 Details of student counselling and career guidance

Tutor Ward system with Class Tutor and Advisor is being followed.

- For a batch of 20 – 25 students, a Tutor from the department is assigned. Every week one hour is allotted for conducting the Tutor Ward Meeting. Each tutor will have one-to-one contact with the students to identify the needs of the students. Any issues related to academic, co-curricular and extra-curricular, health communication, family, etc are brought to the knowledge of the Head of the Department and decisions are taken; accordingly the Advisors/Tutors counsel the students.
- Every class shall have a Class Committee consisting of teachers of the class concerned, student representatives and a chairperson who is not teaching the class. It is like the “Quality Circle” (more commonly used in industries) with the overall goal of improving the teaching-learning process. Special care is taken to improve the personality and Soft Skills of the students. Soft skills is one of the Practical Courses for all UG students in which they are trained in areas/taught the topics like Effective English, Art of Communication, Group discussion and Interview Skills and also on Business Etiquettes and Ethics
- Students are also given orientation on personality development through “Infosys Campus Connect” Programmes
- The “Training and Placement Cell” handles classes on various topics related to career guidance for all the students
- Awareness programmes are conducted by HEC to provide the details about higher studies in India and abroad
- Orientation programmes are conducted for the students on various competitive exams by HEC
- In order to make the Mentoring system effective, an one day workshop on mentoring was conducted for the faculty on 6th June 2017 by Dr.B.Nagaraj, Head/ KIC as the resource person attended by all the tutors.

Training and Placement Cell

A full-fledged Training and Placement Cell, headed by the Dean (Training and placement) with the assistance of Manager (Corporate Relations) and Manager (Extension Activities) is functioning in the Institution effectively since 2003-04. Some major activities of the cell are:

- Starting from II year of study, the students are given hands-on training on Aptitude, Problem Solving Skills, Test of Reasoning, Oral and Written Communication Skills
- Providing Tailor made training on certain modules like software testing, cloud computing etc to a select set of interested students
- Such modules are identified based on the feedback from the previous employers and institution Alumni
- Helping the students in preparing their Resume in such a way that their potentials are aptly exhibited
- Identifying the companies based on the students profile for campus recruitment
- Arranging the HR interactions meet, wherein the students can meet the HRs, and get to know about the companies / prospective employers
- Mapping the profile of the companies with the skill sets of the students and arranging campus drive for such matching candidates
- Getting post-employment feedback from the employers and disseminate the information to final year students so that any lacunae in the learning process is overcome
- Getting feedback from the immediate graduates after they join the companies and provide valuable information, if any to the junior students for improving placement prospects

No. of student benefited

755

5.7 Details of campus placement

Organizations Visited		Students Participated	Offers received		Total Offers Received
<i>On campus</i>	<i>Off Campus</i>		<i>On Campus</i>	<i>Off Campus</i>	
80	54	755	640	152	792

5.8 Details of gender sensitization programmes

Women Development Centre is functioning in the Institution and all the girl students are its members. 85 girl students and 12 female faculty members from all the departments participated in the Gender Sensitization Program organised by the Women Development Centre during the academic year 2017-18.

S. No	Name of the Programme	Resource person	Date
1.	Awareness program on women sensitization	Dr. Prema, Karpagam Medical College, Coimbatore	01.09.2017
2.	Awareness program on Social Media and Harassment	Mrs. Geetha, Advocate, Judicial Magistrate Court, Coimbatore	12.07.2017

5.9 Students Activities

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

State/ University level

189

National level

-

International level

-

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

Sports:

State/ University level

23

National level

-

International level

-

Sports and Games Achievements 2017-18

S.No	Name of the event	Category	Achieved	Organised by	Level
1	Ball Badminton	Women	First	Hindustan College of Engineering and Technology, Coimbatore	Anna University Zone 10
2	Table Tennis	Women	First	Karpagam Institute of Technology Coimbatore	Anna University Zone 10

S.No	Name of the event	Category	Achieved	Organised by	Level
3	Athletics	Men	2 Gold & 1 Bronze Medals	Sri Krishna College of Engineering and Technology, Coimbatore	Anna University Zone 10
4	Athletics	Men	1 silver & 1 Bronze Medals	Sri Sakthi Institute of technology, Coimbatore	9 th Centies Athletics meet
5	Badminton	Women	Second	Sri Krishna College of Technology Coimbatore	Anna University Zone 10
6	Badminton	Men	Second	Karpagam College of Engineering, Coimbatore	Anna University Zone 10
7	Ball Badminton	Men	Second	Karpagam College of Engineering, Coimbatore	Anna University Zone 10
8	Ball Badminton	Women	Third	Sri Krishna College of Engineering and Technology, Coimbatore	Covai Ties Ball Badminton Tournament
9	Table Tennis	Women	Third	Sri Krishna College of Engineering and Technology, Coimbatore	Covai Ties table Tennis Tournament
10	Badminton	Men	Third	Sri Krishna College of Engineering and Technology, Coimbatore	Covai Ties Badminton Tournament
11	Table Tennis	Men	Third	Rathinam Institute of Technology, Coimbatore	Anna University Zone 10
12	Ball Badminton	Men	Third	KPR Institute of Engineering and Technology, Coimbatore.	KPR Ball Badminton Trophy
13	Ball Badminton	Men	Third	Bannariamman institute of Technology sathiyamangalam	Centies Ball Badminton Tournament
14	Ball Badminton	Men	Third	Government College of Technology, Coimbatore	GCT Ball Badminton Tournament
15	Athletics	Men	1 Bronze	Sri Krishna College of Engineering and Technology, Coimbatore	Covai Ties Athletics

Events organized

The Department of Physical Education organized the **Ball Badminton** and **Badminton (men)** Tournaments for Zone 10 of Anna University Chennai in the year 2017-18.



Women Ball Badminton team secured First Position in the Anna University Zone 10 Ball Badminton Tournament held at Hindustan College of Engineering and Technology, Coimbatore



Women Table Tennis team won First Position in the Anna University Zone 10 held at Karpagam institute of Technology Coimbatore.



Women Throw Ball team won Fourth Position in the Covai Ties Throw Ball Tournament held at Sri Krishna College of Engineering and Technology, Coimbatore.



Men Table Tennis team won Third Position in the Anna University Zone 10 Table Tennis Tournament held at Rathinam Institute of Technology, Coimbatore



Men Badminton team won Second Position in the Anna University Zone 10 Badminton Tournament held at Karpagam College of Engineering, Coimbatore



Men Ball Badminton team won Second Position in the Anna University Zone 10 Ball Badminton Tournament held at Karpagam College of Engineering, Coimbatore.



Athletics team won 2 Gold & 1 Bronze Medals in the Anna University Zone 10 Athletics Meet held at Sri Krishna College of Engineering and Technology, Coimbatore.



Men faculty Ball Badminton team secured Runners up Position in the State Level Ball Badminton Staff Tournament for S.N.R. Trophy held at Sri Ramakrishna College of Engineering and Technology, Coimbatore.



Prize winners are felicitated in the Karpagam super league junior 2018 held on 24th March 2018



Prize winners are felicitated in Karpagam Premier league 2017 held on 3rd July 2017

Cultural Events

- ‘Dhruva Fest’ is one of the biggest vibrant techno management cultural fest organized by the institution held on 1st, 2nd and 3rd of February 2018. It is initiated with an aim of providing opportunities to the students in bringing out their talents technical acumen, programming skills, flair for business management, dancing and other cultural abilities. Special events like DJ nights, colour splash, reality game show are conducted.



Dhurva 2018- Dance performance by our students on 3rd February 2018

- KALAM 2017 an inter-collegiate cultural fest celebrated on 17th & 18th November 2017. In Search of Talents! For the freshmen events like Cricket Tournament, Kabadi, Carving, Drawing and painting, rangoli, Facial painting, mehandhi, solo, group dance, rockband, fun games are conducted.



A group of Prize winners felicitated in Kalam 2017 held on 17th November 2017

- Engineers' Day is celebrated on 15th September 2017 in memory of Dr. M. Visvesvaraya on his birthday, an opportunity to ignite the curious / creative minds of the engineers. On this day large number of students participating in many technical events in a single venue - World Record Attempt

5.10 Scholarships and Financial Support

	No. of students	Amount Rs. Lakhs
Financial support from Institution	8	1.64
Financial support from government	2761	510.61
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs :

State/ University level National level International level

Exhibition:

State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

VIDIYALAI NOOKI (March Towards Dawn)

Vidiyalai Nooki (March towards dawn), focuses on society welfare activities. It consists of 100 active student members of the institution with a mind set to serve the society. Every week the team focuses on disadvantaged and needed viz., visit to orphanage, old age home and spend time with children and the senior citizens not only providing economic support but also provide moral support to them. Vidiyalai Nooki also participates in the mission towards Swachh Bharat by giving a hand to the efforts of local community. Blood donation in association with "UYIR" is also done.



Vidiyalai Nokki team in action with the pledge saying no to plastics on 4th July 2017.



Vidiyalai Nokki team in the children's home and gifted stationaries on 22nd June 2017.



Vidiyalai Nokki team conducted A Blood donation camp on 24th September 2017 in association with UYIR

5.13 Major grievances of students (if any) redressed:

NIL

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the Institution

Vision

To become one of the best Institutions at the National and International level by incorporating innovative teaching learning methods to enable the students to secure a high-value career, motivate to pursue higher education and research to serve the society

Mission

- To bring out knowledgeable engineers and professionals in their field of specialization by having qualified and trained faculty members and staff besides necessary infrastructure and to create highly conducive teaching and learning environment
- To work in close association with stakeholders by way of enhanced industry – institute interaction, to take up need based research and industry specific programmes
- To organize co-curricular and extracurricular activities for character and personality development to produce highly competent and motivated engineers and professionals to serve and lead the society

6.2 Does the Institution has a management Information System

Yes. The Institution maintains centralised ERP software for the following.

- To capture students data
- To maintain their attendance and to track their record
- Data maintenance on continuous assessment process
- Enable automated result analysis
- To identify the type of learners by data analysis
- Enable students to know their attendance status and marks online
- Enable the parents to know the attendance status and academic performance of their wards online

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

6.3.1 Curriculum Development

- The inputs for curriculum and syllabi revision originates from the stakeholders such as faculty members, employer, industry, alumni etc. by way of feedback; there inputs and that from the Curriculum Development Cell are then placed to Board of Studies (BoS)
- The BoS is the primary decision making body for the curriculum development and further processes with representatives from important stakeholders besides academic experts, university nominees etc.
- The Academic Council is the apex body that decides (based on the recommendations of the BoS) and approve the curriculum and regulations.
- Thus one of the strategies of quality enhancement emanates from the end users such as industries, employers etc.
- Inputs from graduates, parents, faculty are also included to enhance the quality aspects.

6.3.2 Teaching and Learning

- Fine tuning of the existing by updating the course contents by BoS in line with industry needs
- Introducing innovation in the existing programmes
- Introduction of new programme, Inter disciplinary programmes
- Introduction of additional electives based on the feedback from Industry, employers.
- Complete digitalization of the Central Library
- Greater focus on ICT based learning Eg., Enriched courses through smart classrooms
- Special coaching facilities for the students to appear in competitive and entrance examinations
- Conducting industry focussed Training and Placement classes
- CBCS provides the students greater flexibility in the choice of choosing courses of study viz, multi-disciplinary, basic/advanced levels, inter-disciplinary, online etc., to acquire job oriented skills.
- Class Committee meeting enables for fine tuning the learning exercises

6.3.3 Examination and Evaluation

- CIA test date and End Semester Examination schedule are planned in advance and made known by providing academic calendar
- The students are appraised on the above in Tutor ward meetings and also in the Class Committee Meetings followed by issue of periodic circulars
- The complete evaluation procedure and the rules and regulations for various programmes are printed in the Academic Calendar which is distributed to the students. Any changes/ amendments made in the regulations are conveyed to the students through their Tutors.
- The End Semester Examination results once declared will be hosted in the Institution's website (www.karpagam.edu.in)
- The academic and evaluation processes are also explained to the parents during the "Orientation programme for First year students" held in the beginning of academic year.
- Two Tier Research review meeting conducted every month that deals in research paper writing and journal publication, Consultancy activities

6.3.4 Research and Development

- Improvement and Modernisation of Laboratories relevant for research
- Encourage the faculty for Journal publications, attending workshops and guest lectures by giving incentives
- Apply and seek funds from various Government agencies for research activities
- Establishing formal and informal linkages with research Institutions of repute
- Inculcating the spirit of research among students by introducing projects and Skill based assignments
- Undertaking consultancy works from Industries with active participation of the faculty / students

6.3.5 Library, ICT and physical infrastructure / instrumentation

Contents	Details / Description
Total area of the Cafeteria (in Sq. Mts.)	1680 Sq. mts
Outlay of Rs. (Approximately)	1.5Crore

Contents	Details / Description
Total area of the Library (in Sq. Mts.)	1479 Sq. mts
Total seating Capacity	242
Working hours (on working days, on holidays, Before Examination days, during examination days, during vacation)	8.00 am to 8.00 pm (on working days) 9.00 am to 5.00 pm (on holidays)
Access to the premises through prominent display of clearly laid out floor plan; adequate signage; fire alarm; access to differently abled users and mode of access to collection.	All are available

DETAILS ON THE LIBRARY HOLDINGS

Details of Library Holdings	Total No.
A. Print	
i. Books	74,561
ii. Special collection : Text Books	6391
iii. Special collection : Reference Books	2733
iv. Thesis	4937
B. Journals	
i. e-Journals	13,000
ii. Back Volumes	9830
C. Non Print (Microfiche, AV)	3565

The library deploy to provide access to the collection

- OPAC - Available (with 5 PCs)
- Electronic Resource Management package for e-journals: Yes
- Federated searching tools to search articles in multiple databases: DELNET
- Library Website (intranet) : <http://172.16.100.11/Library>
- In-house/remote access to e-publications: Available

The Central Library has subscription to the following e-journals:

- All IEEE Journals – 196 Nos
- J Gate

ICT deployed in the library

Library Automation	Yes
Total number of Computers for public access	39
Total numbers of Printers for public access	1
Internet bandwidth speed	155Mbps
Institutional Repository	Yes
Content Management system for e-learning	Yes
Participation in Resource sharing networks/consortia (like INFLIBNET)	DELNET

Details of utilisation of Library facilities:

Average number of walk-ins	400 (per day)
Average number of books issued/returned	200 (per day)
Ratio of library books to students enrolled	1:16
Average number of books added during last four years	6345
Average number of login to OPAC	400 per day
Average number of login to e-resources	45
Average number of e-resources downloaded/printed	20
Number of information literacy trainings organized	Twice in a semester

Infrastructural development of the library over the last four years.

- Additional area of 930 Sq.metres has been added for digital library
- Twenty Computers were added for referring on-line resources
- Furniture worth Rupees Five Lakhs were added in reading room

6.3.6 Human Resource Management

- Faculty members are permitted to attend orientation programmes and refresher courses organized by the affiliated Institutions of the University
- The faculty are encouraged to attend Seminars, Workshops etc. organized by other Institutions, to have more contacts with the outside Institutions
- Organizing Seminars and FDPs in the Institution for supporting the faculty in improvising their academic skills
- Encouragement and assistance to in submitting research proposals
- Encouraging the faculty by providing on duty leaves to pursue their Ph.D
- Regular up gradation of ICT learning infrastructure and familiarizing it to the faculty
- Orientation programmes are conducted for non-teaching staff for their skill upgradation
- The faculty members are encouraged to attend as resource person, doctoral committee member, expert members for viva voce etc. and they are suitably rewarded for such activities.

6.3.7 Faculty and Staff recruitment

Teaching Staff Recruitment

The notice of vacancy calling for various posts will be published in newspapers and also in Institution website. As the Institution is an equal opportunity employer, invites prospects to join hands to build a platform of excellence in teaching and learning. The professionals who are interested in a Career with the Institution will submit their profile online to Institutional website.

For teaching positions, proven research expertise/demonstrated interest in research, by way of quality publications/sponsored projects/patents are preferred. Candidates with industry

experience will be given preference. The Institution follows two tier staff recruitment process for teaching positions. The selected applicants will be called for a written examination. The examination will be conducted in core subject and subject based on their specialization. Based on the performances the meritorious candidates will be called for an interview. The expert panel members analyses the candidate, his/her subject knowledge, communication skills and attitude towards teaching. The candidate exhibiting good skills will be selected.

Non-Teaching Staff Recruitment

The notice of vacancy calling for various posts will be published in newspapers and also in the Institution's website. Candidates who are Interested in a Career will submit their profiles online the Institutional website. Or they can also submit their profile to administrative office. Suitable educational qualification and sufficient experience in the respective field is preferred. The selected applicants will be called for interview. Interview will be conducted by the section heads to test their skills and candidate with sufficient skill level will be selected.

6.3.8 Industry Interaction / Collaboration

Industry interaction makes a good platform to bridge the gap between industry and the academic Institutions. This encourages the faculty and students to interact with industry with the spirit of deriving mutual benefits. The following were the linkages created during the academic year 2017-18

S.No	Department	Name of the Company
1.	Automobile Engineering	M/s. Mangla Smart Energy Solutions
2.	Civil Engineering	M/s. C CUBE Technologies, Coimbatore.
3	Information Technology	M/s. Google Developers Group, Coimbatore
4	Computer Science Engineering	M/s. AWS (Amazon Web Service)
5	Electronics and Communication Engineering	M/s. CANGO Networks Pvt Ltd, Chennai
6	Mechanical Engineering	M/s. Techflow Engineers, Coimbatore

The following faculty members were awarded for their contribution in the Infosys campus connect programme.

S.No	Name with Designation	Nature of work for which awarded	Felicitating body	Details of award, cash prize, certificate...	Date
1	Dr.M. Prakash, Prof/ CSE	Education, Training and Assessment, Infosys Campus Connect	Infosys Limited	Bronze Partner	24.03.2018
2	Dr.S.Saravana Kumar, Prof/CSE	Education, Training and Assessment, Infosys Campus Connect	Infosys Limited	Bronze Partner	24.03.2018
3	S.Karthika, AP/CSE	Education, Training and Assessment, Infosys Campus Connect	Infosys Limited	Bronze Partner	24.03.2018
4	G.Suganya, AP/CSE	Education, Training and Assessment, Infosys Campus Connect	Infosys Limited	Silver Partner	24.03.2018
5	G.Gurusamy, AP/CSE	Education, Training and Assessment, Infosys Campus Connect	Infosys Limited	Bronze Partner	24.03.2018
6	S.Nithyanantham, AP/CSE	Education, Training and Assessment, Infosys Campus Connect	Infosys Limited	Bronze Partner	24.03.2018
7	K.Sukanya, AP/ EEE	Education, Training and Assessment, Infosys Campus Connect	Infosys Limited	Bronze Partner	24.03.2018

S.No	Name with Designation	Nature of work for which awarded	Felicitating body	Details of award, cash prize, certificate...	Date
8	R. Indu Poornima AP / IT	Education, Training and Assessment, Infosys Campus Connect	Infosys Limited	Gold Partner	24.03.2018
9	B.P.Sreeja AP / IT	Education, Training and Assessment, Infosys Campus Connect	Infosys Limited	Bronze Partner	24.03.2018
10	G.Saratha devi AP / IT	Education, Training and Assessment, Infosys Campus Connect	Infosys Limited	Bronze Partner	24.03.2018

6.3.9 Admission of Students for the academic year 2017-18

Under Graduate Programmes

S. No	Programmes	Sanctioned Intake	Admitted
1	Automobile Engineering	60	60
2	Civil Engineering	90	83
3	Computer Science and Engineering	120	107
4	Electronics and Communication Engineering	180	161
5	Electrical and Electronics Engineering	180	147
6	Electronics and Instrumentation Engineering	90	77
7	Electronics and Telecommunication Engineering	60	43
8	Information Technology	120	93
9	Mechanical Engineering	180	164
	UG Total	1080	935

Post Graduate Programmes

S. No	Programmes	Sanctioned Intake	Admitted
1	MBA- Master of Business Administration	180	19
2	MCA- Master of Computer Applications (Lateral Entry)	120	16
3	M.E- Communication Systems	18	3
4	M.E- Mechatronics	18	2
5	M.E- VLSI Design	18	1
	PG Total	354	41

6.4 Number of Welfare schemes provided

Teaching	7
Non teaching	7
Students	1

Details of welfare schemes:

S.No	Welfare Scheme	% of Faculty and Staff Beneficiaries
1	Group insurance scheme for both Faculty and Students	100
2	Employee Provident Fund	13.73
3	Maternity Leave for Lady Faculty	9.5
4	Subsidized transport Facility	4.3
5	On-duty leave for staff pursuing higher studies	15.8
6	Sponsorship for attending Seminars/ workshops/ conferences	4.6
7	Gratuity	0.6

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) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	-	-	Yes	IAA
Administrative	-	-	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?

Anna University plays a vital role in management of academic and administrative matters by nominating representatives on various bodies like Board of Studies, Academic Council and Result Passing Board of the Institution.

The adequacy of Human resources and infrastructure to the sanctioned intake is monitored by the University. The inspection team from the University carries out a detailed inspection for starting any programme and also for the extension of affiliation. The reports provide meaningful inputs for establishment of the facilities in the Institution.

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

- The role of Centre for Academic Courses of the Anna University is to administer all academic matters of Affiliated Engineering colleges coming under it.
- Centre for Academic Courses is responsible for organizing meetings of all Academic bodies such as Academic Council, Board of Studies, Standing Committees and Syllabus Committees.
- Centre for Academic Courses provide permanent affiliation of various programmes of the institution which helps to go for autonomy. The applications for autonomy from the institution are forward to UGC after proper scrutiny and necessary support in respect of older institution which completes atleast ten years of service. Upon receiving the University's recommendation, UGC appoints an "expert committee" that takes inspection of the affiliated institution for verification of relevant facilities and academic excellence for grant of autonomy.

6.11 Activities and support from the Alumni Association

Karpagam College of Engineering has a registered Alumni Association under the Tamil Nadu Societies Registration Act, 1975 (Tamil Nadu Act 27 of 1975) which is functioning since 31st December 2015.

The Management, Principal, Deans, Directors, all HoDs and office bearers of the KCE Alumni association feel very grateful for the grant of Rs. 30 Lakhs offered by the alumni for the association. The amount is kept in fixed deposit with Lakshmi Vilas Bank (Eachanari Extension Counter). The income by way of interest earned is used in the following manner:

- A cash prize of Rs. 2500/- is granted for the best project in every programme on the 'graduation day'
- Assistance of Rs. 25,000 per student is provided for six students chosen from all the departments who are meritorious and pursuing higher studies in the Institution every year.
- Rs. 25,000 each is given for Product Development Cell and Entrepreneurship Development Cell (EDC) every year for improvement of the facilities.

6.12 Activities and support from the Parent – Teacher Association

Not Applicable

6.13 Development programmes for support staff:

Non-teaching staff are one of the stakeholders in the Institution. Realising the importance for up-gradation of their skill levels, a number of initiatives/ concessions are extended for improvement.

- Workshops conducted with in-house experts every year
- Sponsorship given for attending training / other programmes outside the campus.
- Encourage them for acquiring additional qualification towards their career development by issue of no objection certificate.

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

a) Energy conservation:

- Awareness created by sign boards to switch off fans and lights whenever students/faculty leave the Class Room, Bathroom, Laboratories, hostel rooms, etc. Hoarding and Sign Boards are kept in prominent places of the campus
- Copper chokes in tube lights are converted to electronic chokes and LED fittings which consume less energy
- Ceiling fans were fitted with Electronic regulators which are used in the class rooms and hostels
- Capacitor bank is employed in the Power House to improve the power factor

- Water usage has been regulated in the campus in taps by spring loaded stoppers thereby saving energy in pumping

b) Use of renewable energy:

- Solar powered street lamps were installed in the Institution premises. These lights function independently with their own photo-voltaic panels

c) Water harvesting:

- Rain water harvesting facilities are provided at multiple locations in the academic campus

d) Efforts for Carbon neutrality:

- The campus is situated in a serene atmosphere away from the main road/ human habitats and it is pollution free
- Majority of the labs are non AC except for few (Computer Labs, and Seminar Hall). Hence, leakage of green house gases produced by the air conditioners is kept at low level
- The greenery and large coconut trees in the campus help to neutralize carbon by products that are generated in the campus
- Plying of Automobiles is restricted inside the campus and the parking area is earmarked separately outside the institution premises.

e) Plantation:

- All the construction of lab and classroom buildings are well planned to have liberal lung space in the campus
- To keep the campus green, the gardens are properly watered and maintained by the maintenance staff
- Lot of coconut trees, shadow giving trees are grown inside the campus
- The Estate maintenance division of the Institution by planting different varieties of plants keep the Institution free from pollution and at the same time provide aesthetics
- Tree planting programmes outside the campus, programme for plantation of saplings in the campus and Awareness Camps on prevention of pollution are regularly arranged by NSS wing of the institution.
- On the “World Environmental Day” saplings are planted at different locations to improve vegetation in the campus.

f) Hazardous waste management:

- Students are educated to minimize waste and avoid using plastic products. To avoid litter spoil the glitter dust bins have been placed at various points inside the campus
- The wastes generated from the campus are segregated as biodegradable and non degradable. The bio-degradable wastes are used to prepare manure and non degradable wastes are disposed safely / Incinerated
- The waste water from the Institution and hostel collected is treated with a 5 LPD Sewage Treatment Plant (STP) and is used for Gardening purposes.
- Soak pits are built separately for discharging waste water
- Usage of Polythene bag/Plastics is banned inside the campus completely.

g) e-waste management:

- The e-wastes like empty toners, cartridges, outmoded computers and electronic items, outdated items related to other ICT equipments are sold as scrap for recycling to outside agencies.

h) Any other:

- The Institution has Eco Care Club. The club is conducting awareness programmes, arranging seminars and workshops etc stressing the need for protection conservation of the environment.

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.

Karpagam Innovation Centre (KIC) and Karpagam skill Development Centre (KSDC)

Innovation and skill development are twin-engines for the nation's prosperity, competitiveness, and knowledge-based development. Karpagam Innovation Centre (KIC) and Karpagam Skill Development Centre (KSDC) have been established by the Institution to develop leading-edge innovation and skill development for related sectors of Indian industry and society.

The Karpagam Innovation Centre nurtures innovation, and encourages entrepreneurial talents among students, faculty and people of the region. It facilitates inter-disciplinary research and provides incubation facilities to start ups and budding entrepreneurs.

Karpagam Skill Development Centre is to prepare students ready for the industry. It realized that there is a big gap between academic knowledge and technical skills required by the industry. Therefore at KSDC with the excellence set of academic teaching, various technical skills required by the industry/corporate world are also taught to the students. Students here are trained to be practically oriented than just academically proficient.

The Karpagam Innovation Centre stands for openness, collaboration, creativity, and transparency. It makes the innovative ideas to blossom. The centre is designed to inspire the visitors and awaken their creativity.

List of events organized by Karpagam Innovation Centre in the Academic Year 2017-18

Sl. No	Date	Event description
1.	27.07.2017	Soulful Tribute to Dr.APJ Abdul Kalam
2.	28.07.2017	DET TALKS on Emotional Intelligence
3.	01.08.2017	KSL(Karpagam Super League)
4.	01.08.2017	Throw ball for Women Championship
5.	04.08.2017	Musical Evening

Sl. No	Date	Event description
6.	10.08.2017	My India My people(KCE batch day celebrations)
7.	11.08.2017-13.08.2017	Startup Weekend Coimbatore
8.	23.08..2017-29.08.2017	YUVA'17
9.	30.08.2017	Ponnonam'17
10.	02.09.2017	Musical Evening
11.	05.09.2017	Teachers day
12.	07.09.2017	Freshmen induction-MBA,MCA,ME
13.	08.09.2017	THANK GOD IT'S FRIDAY by Suriyan FM
14.	15.09.2017	Engineers Day celebration'17
15.	15.09.2017	Inauguration of #GRATIS
16.	16.09.2017	PMKVY Certificate Awarding Ceremony
17	16.09.2017	Pugaipada Payanam (<i>Photographic Tour</i>)
18	23.09.2017	Dim Light Workshop on IoT
19	24.09.2017	DET TALKS on Solar power tree
20	24.09.2017	KCE Startup School
21	24.09.2017	Nature walk and Yoga
22	24.09.2017	Inauguration of UYIR
23	25.09.2017-27.09.2017	Engineers Golu
24	03.10.2017	IEEE Day
25	07.10.2017	Brain Storming Session on Smart Digital Notice
26	07.10.2017	Dim-Light Workshop on CAD-The Toddler's CAD
27	07.10.2017	Dim-Light Workshop on Desktop Publishing
28	10.10.2017	Skill Development for First Year Students-Engineers' Toolbox
29	11.10.2017	Skill Development for First Year Students-Toddlers' CAD

Sl. No	Date	Event description
30	12.10.2017	DET Talk on Basics of Starting up a startup
31	14.10.2017	DET talks on creating a smart platform for smart goods transportation
32	28.10.2017	Dim-Light Tri Workshop on Webmaker,Toddlers' CAD,Mobi-Hack
33	09.11.2017	National Entrepreneurship Day -Debate: Entrepreneurship Vs Employability
34	23.10.2017	Soluganae soluga by SUN TV
35	10.11.2017	Workshop on Basics of Photography
36	11.11.2017	KCE Dr. A.P.J Abdul Kalam Award
37	17.11.2017-18.11.2017	KALAM'17
38	30.11.2017	Blood Donation Camp
39	21.12.2017	Christmas Celebration
40	22.12.2017	Dhruva 2018 Flashmob @ Prozone
41	11.01.2018	Dhruva pongal Celebration @ Madukkarai Government School
42	11.01.2018	Dhruva Pongal Vizha 2018
43	01.02.2018, 02.02.2018 & 03.02.2018	Dhruva 2018 (Techno-Cultural- Management Fest)
44	09.02.2018	DET Talks on Automated Cooking gadget
45	03.03.2018	Seminar on Smart Manufacturing
46	03.03.2018	Seminar on AI and IoT for smart Industries
47	09.03.2018	ADIOS'18 Farewell of class of 2018 , a bittersweet occasion

Startups Incubated in KIC

- Eqra Vifaa Tech
- Gelisme Tech
- CatchyNCrafty
- Ohnion
- TRUCKSTER

Achievements of KIC

- MoU signed with seven companies/ entities namely,
 - E- Cell NIT Trichy
 - Tacitine
 - App Incubator
 - Search N Score
 - By the Satarups
 - ATA Retail
 - Frug Labs Tech Solutional
 - Nello App

Highlights in KIC

- Conducted Startup Weekend, a great pitching platform for young entrepreneurs in August 2017 in collaboration with Google for Entrepreneurs.
- On Engineer's Day 15.09.2017, organized huge campaign "YES WE CAN" with a crowd of 4000+ members and participated 55+ Tech events, an Attempt for Engineers World Record.
- Mr. Arjun Arangil, I year student of M.E.(Communication Systems), bagged “Dr.Kalam Young Achiever Award” for the project developed for women safety organized by World Youth Federation.
- Contributed many ideas for the “Make your City Smart- Coimbatore” contest.
- The institution in association with NSDC (National Skill Development Centre) has started a Skill Development courses under the scheme of PMKVY (Pradhan Mantri Kaushal Vikas Yojana). In academic year 2017-2018, 74 participants are participated skill development courses on three topics. 54 students got certificate from Ministry of Skill Development And Entrepreneurship.
- Conducted IDEATHON'17 for the first year students to spark their attitude and made them to find a solution for water scarcity problem and for IPR.
- Conducted Global Summit on ‘future innovations in recent startup technology and funding’

(FIRST) on 12.12.2017.



Startup Weekend Conducted from 11th to 13th August 2017 in collaboration with Google for Entrepreneurs, a great pitching platform for young entrepreneurs.



S. Lakshmi, Deputy commissioner of Police, Coimbatore awarded our student Arjun Arangil for the Invention of DBI (Digital Bureau of Investigation) on 1st September 2017



Distribution of certificates to the candidates for the successful completion of the courses under PMKVY by our principal on 16th September 2017



DET Talks on Export Business an insight delivered by Sindhu Arungopalsamy, Chief Officer, Evergreen Enterprises on 5th July 2017



The visitors of Hogan Entrepreneurs HI of Chaminade University of Hawaii, United States came to Karpagam Innovation Centre for learning a much better understanding of the life and culture and unique social issues of India, as well as its business opportunities on 17th July 2017



Trees are planted inside the institution on the celebration of world environment day



World motor cycle day celebration in our campus on 21st June 2017



World Water day - Neerathon celebration in our campus on 22nd March 2018

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

- All the programmes of the institution are brought under outcome based education (OBE)
- PEO / PO are well defined for all the branches; similarly for all the courses objectives and outcomes are defined.
- The evaluation process for all the courses are mapped with COs which are preset
- With the accumulation of all these mapping, an articulated matrix for the program outcomes is prepared which helps to decide the attainment of the programme outcomes. The process is meticulously implemented and the current pass out graduates score would be used to fine tune the academic activities and corrective action taken
- Blooms Taxonomy in question paper setting is followed in order to evaluate meaningful learning by the students
- The cognitive level for each module in a course is pre planned while preparing the 'course plan' and taught / evaluated accordingly.
- The exams conducted is based on the above principle of testing the cognitive level of the learners. As far as possible attempt is made for improvement to reach higher order of thinking skill sets by students
- The SPOCs (Single point of contact) nominated at the programme centers are the messenger of quality initiatives / action. All quality related activities at the programme centers are documented periodically and reported to IQAC. This enables for preparing AQAR and MIS data.
- The introduction of enriched courses at each department helps for ICT enabled learning, classes popularly called as 'smart class rooms'. It is the aim to popularize the same and bring all the possible courses under this category, thereby enable the students to catch up with the modern learning process.
- Fast learners among the students are identified and encouraged to register for online courses through MOOCs/ NPTEL. The regulation have been also amended to enable this feature and for due credit earning by the students
- Uncertainty of monsoon affected the green cover in the campus. Continuous failure of monsoon for the last 3 years tested our ability to water the plants / trees. With the available STP (5 lakhs litre per day) we could manage to keep green stocks, fairly maintained. Whenever we failed / withered plants are again replaced by planting

saplings on the world environment day thereby increasing the green cover in the campus.

7.3 Give two Best Practices of the Institution

Best Practices – 1

Title of the Practice – Outcome Based Education

- The institution adopted the “Outcome Based Education “in Engineering and Technology which includes design, development and delivery of all the courses.
- The institution sets the objective in attainment of Program Educational Objectives(PEOs), Program outcomes (POs)/Course Outcomes (Cos) in the curriculum / Syllabi.
- The tangibles under the programme criteria include Success rate of program completion, Pass percentage, distinctions and attainment of PEOs
- The tangibles under student criteria include Successful completion of program with high percentage, Academic excellence, Attainment of CO/POs.
- The tangibles under graduates criteria includes the attainment of PEOs.

Best Practices – 2

Title of the Practice – Cognitive Level in Evaluation

- Questions set by our faculty for the exams are based on cognitive levels like Remember, Understand, Apply, Analyse, Evaluate and Create.
- This paves a way to increase the analytical and problem solving skills of every student hence render “Higher Order Thinking (HOT) skills”.

7.4 Contribution to environmental awareness / protection

- The institution is located in a rural area which is surrounded by palm grove and lot of greenery. The institution has adopted various measures to maintain the same in the campus
- The institution has “Horticulture Section” headed by a Supervisor appointed permanently. This section is under the administrative control of a Manager. There are ten gardeners and ten maintenance workers who are employed on contract basis to carry out the maintainance in the campus

- The institution maintains eco–friendly and energy conservation in an environment efficient manner. The campus contains large number of trees and plants to give a pleasant feeling to the staff and students (clean and green campus)
- The different academic blocks are located alike spaciouly. All the blocks are designed following green building concept with natural lighting and sufficient ventilation
- All the buildings have spacious corridors and wide steps for easy movement.

7.5 Whether environmental audit was conducted? Yes ☒ ☐

We have engaged M/s ABC Techno Labs India Pvt Ltd, an environmental engineering and consultancy organisation to audit the campus on environmental issues. Their observations is duly taken care for further improvements.

7.6 Any other relevant information the Institution wishes to add.

8. Plans of the Institution for next year

- ❖ Accreditation Renewed and Inclusion (NBA) of as many UG programmes on a priority basis
- ❖ Starting new UG programmes such as Biomedical Engineering and PG programmes for various disciplines
- ❖ Improvement of facilities in the campus such as state of the art auditorium, Gymnasium and Fabrication Labs
- ❖ Motivate 'CEnter for Learning and Teaching' (CELT) to conduct as many motivational programmes as possible
- ❖ Make the IQAC more relevant to the campus by arranging with AAA (Academic and Administrative Audit) and document the various academic processes on going
- ❖ Implementation of 'Digital classroom' for as many courses as possible in the forthcoming semesters thereby offer 'enriched courses' for learners.

Signature of the Director, IQAC
Mr. P. Sundaram
Associate Professor
Department of Mechanical Engineering



Signature of the Chairperson, IQAC
Dr. P. Vijayakumar
Principal

PRINCIPAL
KARPAGAM COLLEGE OF ENGINEERING
COIMBATORE - 32.

Annexure – I

Details of the UGC Recognition

18/20/09/08/08

Spec. April

Ph. 23236351, 23232701, 23237721, 23234116
23235733, 23232317, 23236735, 23239437
UGC Website: www.ugc.ac.in



विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002

UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

F. 8-83/2008 (CPP-I)

The Registrar,
Anna University,
Coimbatore-641 013 (Tamilnadu).

KARPAGAM COLLEGE OF ENGINEERING COIMBATORE - 32.	
CORRESPONDENT	
CHIEF EXECUTIVE	
PRINCIPAL	✓

April, 2008

MAY 2008

Sub:- List of Colleges prepared under Section 2 (f) of the UGC Act, 1956-Inclusion of New College-

Sir,

I am directed to refer to the letter dated 28.02.2008 received from the Secretary, Karpagam College of Engineering, Coimbatore on the subject cited above and to say that the name of the following College has been included in the list of Colleges prepared under Section 2 (f) of the UGC Act, 1956 under the head Non-Government Colleges teaching upto Post-Graduate Degree:-

Name of the College	Year of Establishment	Remarks
Karpagam College of Engineering, S.F. No. 758 759,760, Othakkal Mandapam, Coimbatore-641 032 (T.N). (On temporary affiliation/Self Financing College)	2000	The College is not eligible to receive Central assistance in terms of rules framed under Section 12 (B) of the UGC Act, 1956.

The Indemnity Bond and other documents submitted in respect of the above College have been accepted by the Commission.

Yours faithfully

(P.K. Sharma)
Under Secretary

Copy to:-

1. The Principal, Karpagam College of Engineering, S.F. No. 758 759,760, Othakkal Mandapam, Coimbatore-641 032 (Tamilnadu). **B.N.P.L. SCHEME**
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary & Higher Education, Shastri Bhawan, New Delhi-110 001.
3. The Secretary to the Government of Tamilnadu, Department of Higher Education, Chennai (Tamilnadu).
4. Education Officer, UGC; South Eastern Regional Office, P.B. No. 152, A.P.S.F.C. Building, IV Floor, 5-9-194, Chirag Ali Lane, Hyderabad-500 001 (A.P).
5. Publication Officer, UGC-Website, New Delhi.
6. Section Officer, FD-III Section, UGC, New Delhi.
7. All Sections, UGC, New Delhi.
8. Guard file.

(Mrs. Sunita Gulati)
Section Officer



UGC Website: www.ugc.ac.in
Ph. 011-23604414 (CPP-I/Colleges)



Speed Post

विश्वविद्यालय अनुदान आयोग
University Grants Commission
(मानव संसाधन विकास मंत्रालय, भारत सरकार)
Ministry of Human Resource Development,
Govt. of India)

बहादुर शाह जफर मार्ग, नई दिल्ली - 110 002
Bahadur Shah Zafar Marg, New Delhi - 110 002

F. No. 8-538/2015 (CPP-I/C)

The Registrar,
Anna University
Sardar Patel Road, Chennai - 600 025
Tamil Nadu

Received on 10.6.2016
Forwarded to Tamil Nadu
P. H. 10/06/16
June, 2016
7 JUN 2016

Sub: - Declaring a College fit to receive Central Assistance under Section 12 (B) of the UGC Act, 1956.

Sir,

I am directed to refer to your letter no. 099/CAI/AU/2016 dated 19.02.2016 on the above subject and to say that it is noted that the following college is **un-aided/self financed** and **permanently** affiliated to **Anna University, Chennai**. The college is already included under Section 2(f) of the UGC Act, 1956 vide this office letter no.F.8-83/2008 (CPP-I), dated April, 2008. I am further to say that the name of the following college has been included in the list of colleges prepared under Section 12 (B) of the UGC Act, 1956 under the head '**Non-Government, self financed** College teaching upto **Master's Degree**':-

Name of the College	Year of Establishment	Remarks
Karpagam College of Engineering, S.F.No. 758,759,760, Othakkal Mandapam, Coimbatore - 641 032, Tamil Nadu.	2000	The College is now declared fit to receive Central assistance in terms of Rules framed under Section 12 (B) of the UGC Act, 1956. However, the College, being a self financing & unaided, would be eligible to receive UGC's support only in respect of teachers & students related schemes as per the decision of the Commission dated 8 th July 2011.

The documents submitted in respect of the above College have been accepted by the University Grants Commission.

Yours faithfully,

(Charan Dass)
Under Secretary

Copy to:-

- ✓ The Principal, Karpagam College of Engineering, S.F.No. 758,759,760, Othakkal Mandapam, Coimbatore - 641 032, Tamil Nadu.
- The Secretary, Government of India, Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi - 110 001.
- The Secretary, Higher Education Deptt. Government of Tamilnadu, Secretariat, Chennai - 600 009, (Tamil Nadu).
- The Joint Secretary, UGC, South Eastern Regional Office (SERO), P.B. No. 152, A.P.S.F.C. Building, IV Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001, (Telangana).
- Publication Officer (UGC-Website), New Delhi.
- Section Officer (FD-III Section), UGC, New Delhi.
- Guard file.

(M.P. Singh)
Section Officer


ज्ञान-विज्ञान विमुक्तये
डॉ. मंजू सिंह
संयुक्त सचिव
Dr. Manju Singh
Joint Secretary



सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग
University Grants Commission
(मानव संसाधन विकास मंत्रालय, भारत सरकार)
(Ministry of Human Resource Development, Govt. of India)
बहादुरशाह ज़फ़र मार्ग, नई दिल्ली-110002
Bahadur Shah Zafar Marg, New Delhi-110002
दूरभाष Phone : कार्यालय Off : 011-23238876
Fax : 011-23232297 E-mail : manjusingh.ugc@nic.in

BY SPEED POST

No.F. 22-1/2016(AC)

June, 2016

The Registrar,
Anna University
Sardar Patel Road
Guindy, Chennai-600 025 (TN)

16 JUN 2016

Sub:- Grant of Extension of Autonomous Status to Karpagam College of Engineering, Mylleripalayam (Village), Othakkalmandapam, Coimbatore-641 032 affiliated to Anna University, Chennai

Sir/Madam,

This is with reference to the proposal submitted by your college for extension of autonomous status.

On the basis of the report of the UGC Expert Committee and on the basis of the recommendations of the Standing Committee, the Commission at its meeting held on 15.06.2016 decided to grant extension of autonomous status to Karpagam College of Engineering, Mylleripalayam (Village), Othakkalmandapam, Coimbatore-641 032 affiliated to Anna University, Chennai under the UGC scheme for autonomous colleges for a period of six years w.e.f. 2016-2017 to 2021-2022.

Anna University Sardar Patel Road Guindy, Chennai-600 025 (TN) may now go ahead and issue necessary orders in this regard by endorsing a copy of the same to this office for our records. The admissible grant under this scheme will be released to the College as per its eligibility, according to the norms as laid down as per applicable Guidelines for Autonomous Colleges by the Joint Secretary, UGC South Eastern Regional Office, PB No. 152, APSFC Building, 4th Floor, 5-9-194, Chirag Ali Lane, Hyderabad – 500 001.

Yours faithfully


(MANJU SINGH)

Cont....

: 2 :

Copy to:-

1. The Principal Secretary,
(Higher Education)
Govt. of Tamilnadu,
N.K.M. Building, 6th Floor, Secretariat,
Chennai – 600 009 (Tamilnadu)

2. The Joint Secretary,
UGC South Eastern Regional Office,
PB No. 152, APSFC Building,
4th Floor, 5-9-194, Chirag Ali Lane,
Hyderabad – 500 001

✓ 3. The Principal,
Karpagam College of Engineering,
Mylleripalayam (Village),
Othakkalmandapam, Coimbatore-641 032

(A copy of the Expert Committee report is also enclosed for your information and guidance.)

4. Meeting Cell.

5. Concerned file

6. Guard File.


(MANJU SINGH)

Annexure – II

Details of Recognition / Approval by Statutory / Regulatory Bodies



ANNA UNIVERSITY

CHENNAI - 600 025, INDIA

176
14 NOV 2014

REGISTRAR

Phone : (O) 22352161, 22357004

Fax : 91-44-2235 1956

Gram : ANNATECH

E-mail : registrar@annauniv.edu

Lr. No. 467 / CAI / Permanent Affln. / 2014-15

Dated:12.11.2014

To

The Principal,
Karpagam College of Engineering(Autonomous),
Othakkal Mandapam,
Coimbatore South,
Coimbatore – 641 032.

Sir,

Sub: **Permanent Affiliation** - Granting of Permanent Affiliation for the existing programmes – 2014-15 – Reg.

Ref: Your application for the grant of Permanent Affiliation.

I am to inform that under the provisions of section 7.6.2 of the Anna University statutes for affiliation, **Permanent Affiliation** for the existing programme(s) is granted for the following B.E. / B.Tech. / B.Arch. / M.E. / M.Tech. / M.B.A / M.C.A programme(s) with the sanctioned intake indicated against each from the academic year 2014-15 at **Karpagam College of Engineering(Autonomous), Othakkal Mandapam, Coimbatore South, Coimbatore – 641 032.**

Sl. No.	Degree	Programme(s)	Sanctioned intake	Year from which Permanent Affiliation is granted
1.	B.E.	Computer Science and Engineering	120	2014-15
2.	B.E.	Electrical and Electronics Engineering	180	
3.	B.E.	Electronics and Communication Engineering	180	
4.	B.E.	Mechanical Engineering	180	
5.	B.Tech.	Information Technology	120	
6.	M.B.A.	Master of Business Administration	180	

The above said status of Permanent Affiliation is granted subject to the following conditions:

1. The college should obtain extension of approval by the UGC / AICTE / COA / DGS as applicable for every academic year for the above mentioned programmes with the corresponding sanctioned intake. In the absence of extension of approval from the appropriate authority, the Permanent Affiliation now granted will not be valid.

2. In case of increase in intake granted by the appropriate authority for a permanently affiliated programme, the college should apply to the University for the grant of affiliation for the increased intake and orders of the University should be obtained for increasing the intake of the permanently affiliated programme.
3. The college should continue to fulfill the requirements for the above mentioned programmes as per the norms and standards of the University and the laboratory requirements as per the curricula and syllabi of Anna University, Chennai for these programmes.
4. The college should strictly adhere to and comply with the provisions of Anna University Act / Statutes / Regulations norms and standards / guidelines or any other law time being in force.
5. The permanent affiliation granted may be suspended / withdrawn after adopting the procedures laid down in the Regulations, if the college fails to comply with the provisions made in this behalf or the college has failed to observe / implement any of the conditions of affiliation or the college has conducted in a manner which is prejudicial to the interests of University education and/or students.
6. Notwithstanding the granting of Permanent Affiliation, the university reserves its right to inspect the college to verify the continued fulfillment of the affiliation requirements as prescribed by the University for the Programmes concerned.
7. The Permanent Affiliation is granted without prejudice to the right of the University of requiring production of certificate required under Section 37-B of Tamil Nadu Land Reforms (LC) Act 1961 subject to the decision of the Hon'ble High Court of Madras in W.A.No. 3454 / 2002 batch and W.A.No. 3482 / 2002 batch.
8. The Management is directed to submit a duly signed undertaking on a Rs.100/- non-judicial stamp paper to the Registrar, Anna University Chennai, Chennai-600 025, within 15 days from the date of receipt of this letter to the effect that the conditions specified above will be fulfilled.

Yours sincerely



Copy to:

1. The Commissioner of Technical Education, Chennai – 600 025.
2. The Controller of Examinations, Anna University Chennai, Chennai – 600 025.
3. The Director, Student Affairs, Anna University Chennai, Chennai – 600 025.
4. The Director, Academic Courses, Anna University Chennai, Chennai – 600 025.
5. Master File.

[Handwritten signature]
REGISTRAR
REGISTRAR
ANNA UNIVERSITY
CHENNAI-600 025



REGISTRAR

ANNA UNIVERSITY
CHENNAI - 600 025, INDIA

Phone : (O) 22352161, 22357004

Fax : 91-44-2235 1956

Gram : ANNATECH

E-mail : registrar@annauniv.edu

Lr No. 02 /AFFLN/CAI/CBE/AU/2017-18/7178

Date: 15-05-2017

To

The Principal,
Karpagam College of Engineering (Autonomous),
Othakkal Mandapam, Coimbatore South,
Coimbatore-641032.

Sir,

Sub: AU - AFFILIATION - Provisional Affiliation for the Existing course(s) / New course(s) / Variation in intake - U.G. / P.G. for the academic year 2017-18 Granted - Reg.



Ref: 1. Your application for affiliation for the academic year 2017-18.

2. AICTE / COA / DGS Approval for the academic year 2017-18.

I am to inform that under the provisions of Section 7.6.1 of the Statutes for Affiliation of Anna University, Chennai, **Provisional Affiliation** for the continuation of the existing course(s) / new course(s) / variation in intake in the existing course(s) is granted for the following U.G / P.G. courses with the sanctioned intake mentioned against each course for the academic year **2017-18** at **Karpagam College of Engineering (Autonomous), Othakkal Mandapam, Coimbatore South, Coimbatore-641032**.

Sl. No.	Degree	Course(s)	Sanctioned Intake	
			2016-17	2017-18
1	B.E.	Automobile Engineering	60	60
2	B.E.	Civil Engineering	90	90
3	B.E.	Electronics and Instrumentation Engineering	90	90
4	B.E.	Electronics and Telecommunications Engineering	60	60
5	M.C.A.	Master of Computer Applications	120	120
6	M.E.	Communication Systems	18	18
7	M.E.	Mechatronics Engineering	18	18
8	M.E.	VLSI Design	18	18

The above said Provisional Affiliation is being granted subject to the fulfillment of the conditions mentioned below:

- Production of Originals of AICTE / COA / DGS approval and all other related documents for verification, whenever demanded by the University.
- Verification by a Committee towards the fulfillment of the conditions mentioned above and the continued fulfillment of the requirements for the above-mentioned course(s) as per the norms and standards of AICTE / University and the laboratory requirements as per the curricula and syllabi of Anna University, Chennai for the above courses. In the event of any violation/infringement of the above said conditions and / or the provisions of Anna University, Chennai Act / Statutes / Regulations, AICTE Act, norms & standards / regulations / guidelines or any other law being in force, suitable action including suspension / withdrawal of affiliation of course(s) may be initiated against the college.

1 of 2

- Students should not be admitted for the above course(s) for the next academic year 2018-19 without obtaining the order of continuation of provisional affiliation for the next academic year from the University.

The Provisional Affiliation is granted without prejudice to the right of the University of requiring production of certificate required under Section 37-B of TAMILNADU Reforms (LC) Act 1961 subject to the decision of the Hon'ble High Court of Madras in W.A. No. 3454 / 2002 batch and W.A. No. 3482 / 2002 batch.

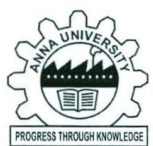


Copy to:

1. The Director of Technical Education, DOTE campus, Chennai - 600 025.
2. The Regional Officer, Southern Regional Office, AICTE, 26, Haddows Road, Shastri Bhawan, Chennai 600 006.
3. Master file.

Yours sincerely,


REGISTRAR
REGISTRAR
ANNA UNIVERSITY
CHENNAI-600 025



Dr.T.V.GEETHA
DIRECTOR

ANNA UNIVERSITY
CHENNAI - 600 025

CENTRE FOR ACADEMIC COURSES

Dir : 044-22357073
Off : 044-22357077 / 7076
Tele Fax : 044-22352272
Mail : dac@annauniv.edu

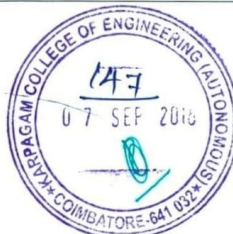


Letter No.2992/Autonomous/AU/CAC/2016

Date: 07.09.2016

To

The Principal,
Karpagam College of Engineering,
S.F.No.758, 759, 760, Othakkal Mandapam,
Coimbatore - 641 032.



Sir,

Sub: AU - CAC - **Karpagam College of Engineering, Coimbatore-641 032 -**
Extension of Autonomous Status - Orders - Reg.

Ref: 1. UGC's Letter No.F.22-1/2016(AC), dated 16.06.2016.
2. Your Letter No.299/KCE/A8//2016, dated 24.06.2016.

=====

With reference to the letters cited above, regarding the extension of Autonomous status by UGC (Ref. 1) on Karpagam College of Engineering, Coimbatore-641 032, the status of autonomy is hereby confirmed to Karpagam College of Engineering, Coimbatore, for a period of six years with effect from the academic year 2016-2017 to 2021-2022, subject to the terms and conditions prescribed by UGC., New Delhi.

You are further directed to constitute (wherever necessary) the Governing Council, Academic Council, Board of Studies and Board of Examiners and conduct the proceedings.

Yours faithfully,

DIRECTOR

Copy to:

1. **Dr. Manju Singh**, Joint Secretary,
University Grants Commission, Bahadur Shah Zafar Marg,
New Delhi - 110 002.
2. The Stock File - CAC.



All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg Vasant Kunj, New Delhi-110067
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Southern/1-3325034462/2017/EOA

Date: 30-Mar-2017

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2017-18

Ref: Application of the Institution for Extension of approval for the academic year 2017-18

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2016 notified by the Council vide notification number F.No.AB/AICTE/REG/2016 dated 30/11/2016 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-4285391	Application Id	1-3325034462
Name of the Institute	KARPAGAM COLLEGE OF ENGINEERING	Institute Address	SF NO : 758, 759, 760 OTHAKKAL MANDAPAM COIMBATORE - 641 032, COIMBATORE, COIMBATORE, Tamil Nadu, 641032
Name of the Society/Trust	KARPAGAM CHARITY TRUST	Society/Trust Address	14-A.LIC COLONY, KURUCHI, COIMBATORE- 641021.,COIMBATORE,COIMBATORE,Tamil Nadu,641021
Institute Type	Unaided - Private	Region	Southern

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable
Opted for Conversion from degree to diploma	No	Opted for Conversion from diploma to degree	No	Conversion (degree to diploma or vice-versa) Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2017-18

Application Id: 1-3325034462			Course	Full/Part Time	Affiliating Body	Intake Approved for 2016-17	Intake Approved for 2017-18	NRI Approval status	PIO / FN / Gulf quota/ OCI/ Approval status	Foreign Collaboration/Twinning Program Approval status
Program	Shift	Level								
ENGINEERING AND	1st Shift	POST GRA	COMMUNICATION SYSTEMS	FULL TIME	Anna University, Chennai	18	18	NA	NA	NA

Application Number: 1-3325034462

Note: This is a Computer generated Report.No signature is required.

Page 1 of 4
Letter Printed On:22 April 2017

Printed By : AE885291



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(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg Vasant Kunj, New Delhi-110067

PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

TECHNOLOGY		DUALITY								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	MECHATRONICS	FULL TIME	Anna University, Chennai	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	VLSI	FULL TIME	Anna University, Chennai	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	AUTOMOBILE ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Anna University, Chennai	90	90	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennai	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Anna University, Chennai	180	180	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS AND INSTRUMENTATION ENGINEERING	FULL TIME	Anna University, Chennai	90	90	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGINEERING	FULL TIME	Anna University, Chennai	180	180	NA	NA	NA
	1st	UNDER GRADUATE	INFORMATION	FULL	Anna	120	120	NA	NA	NA

Application Number: 1-3325034462

Note: This is a Computer generated Report.No signature is required.

Page 2 of 4

Letter Printed On:22 April 2017

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All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg Vasant Kunj, New Delhi-110067

PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

ENGINEERING AND TECHNOLOGY	Shift	ER GRADUATE	TECHNOLOGY	TIME	University, Chennai					
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Anna University, Chennai	180	180	NA	NA	NA
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Anna University, Chennai	180	180	NA	NA	NA
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Anna University, Chennai	120	120	NA	NA	NA

The above mentioned approval is subject to the condition that

KARPAGAM COLLEGE OF ENGINEERING

shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org.

Prof. A.P Mittal
Member Secretary, AICTE

Copy to:

- The Regional Officer,**
All India Council for Technical Education
Shastri Bhawan 26, Haddows Road
Chennai - 600 006, Tamil Nadu
- The Director Of Technical Education**,**
Tamil Nadu
- The Registrar**,**
Anna University, Chennai

Application Number: 1-3325034462

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Letter Printed On:22 April 2017



All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg Vasant Kunj, New Delhi-110067

PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

4. **The Principal / Director,**
KARPAGAM COLLEGE OF ENGINEERING
SF NO : 758, 759, 760
OTHAKKAL MANDAPAM
COIMBATORE - 641 032,
COIMBATORE, COIMBATORE,
Tamil Nadu, 641032

5. **The Secretary / Chairman,**
KARPAGAM CHARITY TRUST
14-A, LIC COLONY,
KURUCHI,
COIMBATORE-641021.,
COIMBATORE, COIMBATORE,
Tamil Nadu, 641021

6. **Guard File(AICTE)**

Note: ** - Approval letter copy will not be communicated through post/email. However, provision is made in the portal for downloading Approval letter through Authorized login credentials allotted to concerned DTE/Registrar.

Application Number: 1-3325034462

Note: This is a Computer generated Report.No signature is required.

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Letter Printed On: 22 April 2017

NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4th Floor, Bhisham Pitamah Marg,
Pragati Vihar, New Delhi-110 003
Tel: +91 11 2436 0620-22, 2436 0654 Telefax: +91 11 2436 0682
Website: www.nbaiind.org



F.No.33-131/2010-NBA

Dated: 15-04-2016

To,

The Principal
Karpagam College of Engineering
S.F.No 758.759.760, Othakkal Mandapam,
Coimbatore-641032
Tamil Nadu.
Ph: 0422 - 2619030
Email: ankhod@gmail.com ; chairmankce@gmail.com

Subject: Accreditation status of programmes applied by Karpagam College of Engineering, S.F.No 758.759.760, Othakkal Mandapam, Coimbatore-641032, Tamil Nadu.

Sir,

This has reference to your application dated 18-04-2015 in Tier-I format seeking accreditation by National Board of Accreditation to UG Engineering programmes offered by Karpagam College of Engineering, S.F.No 758.759.760, Othakkal Mandapam, Coimbatore-641032, Tamil Nadu.

2. An Expert Team conducted on-site evaluation of the programmes during 18th – 20th December, 2015. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The competent authority in NBA has approved the following accreditation status to the programmes as given in the table below:

Sl. No.	Name of the Programmes (UG)	Basis of Evaluation	Accreditation Status	Period of validity w.e.f. 01.01.2016	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Computer Science & Engineering	Tier-I Document	Provisionally Accredited	2 years	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the competent authority, whichever is earlier
2.	Information Technology		Provisionally Accredited	2 years	
3.	Electrical & Electronics Engineering		Provisionally Accredited	2 years	
4.	Electronics & Communication Engineering		Provisionally Accredited	2 years	

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The programs have been granted Provisional Accreditation for 2 years. As such, Karpagam College of Engineering, S.F.No 758.759.760, Othakkal Mandapam, Coimbatore-641032, Tamil Nadu is required to submit the Compliance report after 18 months. It may require submission of pre-qualifier before sending the Compliance report for granting further Accreditation. The process for submitting Pre-Qualifiers and Compliance report has been notified on the website of National Board of Accreditation.

Contd/...

5. The accreditation status awarded to the programmes as indicated in the above table does not imply that the accreditation has been granted to Karpagam College of Engineering, S.F.No 758.759.760, Othakkal Mandapam, Coimbatore-641032, Tamil Nadu as a whole. **As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is programme accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously.** Complete name of the programme(s) accredited, level of programmes and the period of validity of accreditation, as well as the date from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

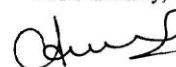
6. The accreditation status of the above programmes is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited programmes as indicated in the table in paragraph 2, appears on the website and information bulletin of the Institute.

7. The accreditation status awarded to the programmes as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

8. Copy of the Report of Chairman of the Visiting Team and Evaluators' Reports in respect of the above programmes are also enclosed.

9. If the Institute is not satisfied with the decision of NBA, it may appeal within thirty days of receipt of this communication giving reasons for the same and by paying the requisite fee.

Yours faithfully,



(Dr. Anil Kumar Nassa)
Member Secretary

Encls: 1.Copy of Report of Chairman of the Visiting Team.
2.Copies of Expert Reports of the Visiting Team.

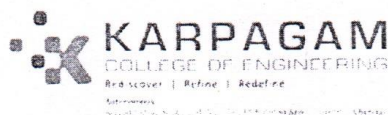
Copy to:

1. The Secretary,
Department of Technical Education
Government of Tamil Nadu, Chennai - 600 009,
Tamil Nadu
2. The Registrar,
Anna University
Sardar Patel Road, Old Highways Building,
Guindy, Chennai- 600025, Tamil Nadu
3. Accreditation File
4. Master Accreditation file of the State

Annexure – III

Feedback Analysis (Sample Only)

Sample of Feedback Analysis by Students about Faculty 2017-18 Odd Semester



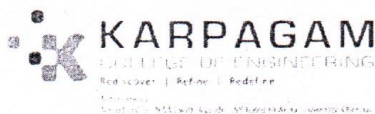
DEPARTMENT NAME: MECH ▾ SEMESTER: 3 ▾ SECTION: A ▾

Course Code	Course Name	Staff Name	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Student Count	Mark
15FD01	Data Structures	Dr.S.Kannimuthu	5.00	4.94	4.94	4.94	4.89	4.89	4.89	4.89	4.94	4.72	4.94	4.89	18	4.91
15FE01	Advanced Data Structures	Dr.S.Kannimuthu	4.00	4.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.00	1	4.75
15MC05	Basics of Electrical and Electronic	Ramya.N.M	1.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1	1.17
15MC13	Measurements and Instrumentation	Nandhinipriyanka.G	3.90	3.83	3.90	3.76	3.72	3.69	3.93	3.86	3.97	3.90	3.90	3.90	29	3.85
15MC17	Database Management Systems	Ms.K.Sakthi Priya	4.20	3.80	3.90	3.60	3.70	3.85	3.95	4.05	3.95	3.90	4.10	4.05	20	3.92
15MC19	Fundamentals of Automobiles	Dr.R.Manimaran	4.33	4.10	4.14	3.95	3.90	3.86	4.05	4.00	4.14	4.05	4.05	4.05	21	4.05
15MC20	Applied Mechanics	Dr.N.Dhandapani	4.12	4.38	4.00	4.25	4.00	4.00	4.12	4.50	4.25	4.50	4.25	4.38	8	4.23
15MD01	Engineering Thermodynamics	Dr.E.Baburaj	4.18	4.04	4.02	4.04	4.02	4.14	4.18	4.08	4.16	4.16	4.14	4.14	49	4.11
15MD06	Fluid Mechanics and Machinery	Mr.A.Arul Murugan	4.80	4.73	4.69	4.69	4.69	4.76	4.69	4.73	4.71	4.78	4.73	4.76	49	4.74
15MD07	Manufacturing Technology	Mr.M.Rajesh	3.78	3.65	3.41	3.47	3.43	3.61	3.43	3.63	3.53	3.39	3.69	3.67	49	3.56
15MD08	Computer Aided Modeling Laboratory	Mr.R.Arul Murugan	4.84	4.74	4.72	4.74	4.76	4.86	4.82	4.76	4.88	4.80	4.84	4.76	50	4.79
15OB03	Transforms and Complex Analysis	Dr.S.Krishana Prakash	4.02	3.96	3.82	3.86	3.81	4.09	3.95	3.96	4.07	4.07	3.98	3.88	30	3.96
15OB10	Discrete Mathematical Structures	Dr.N.Ayyanathan	4.63	4.58	4.47	4.42	4.42	4.53	4.58	4.53	4.53	4.53	4.58	4.63	19	4.54

*****Note:*****

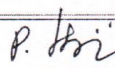
QNo: Questions
Q1: Punctual to the Class and Handling the class for entire Duration.
Q2: Presentation, Clarity of expression and Voice Modulation.
Q3: Completion of syllabus in time.
Q4: Clarity of Writing in the Board.
Q5: Review of previous class subjects content.
Q6: Control of students in the class.
Q7: Clearing doubts in the class and outside.
Q8: Motivating and Encouraging students to use Library for Journals/ Ref.Books.
Q9: Treating every student equally without favouritism.
Q10: Fulfilment of expectation of the course.(over all satisfaction).
Q11: Giving assignments/Homework regularly and monitoring.
Q12: Returning of valued answer scripts in time.
Principal

Sample of Feedback Analysis by Students about Faculty 2017-18 Even Semester



DEPARTMENT NAME: ETE ▼ SEMESTER: 4 ▼ SECTION: A ▼

Course Code	Course Name	Staff Name	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Student Count	Mark
15FD23	Python Programming	Mr.V.Vijayaprakash	4.00	3.70	3.50	3.10	3.80	3.50	3.60	3.60	3.40	3.10	3.40	3.40	10	3.51
15OB06	Probability and Random Processes	S.Premalatha	4.71	4.45	4.39	4.61	4.58	4.58	4.58	4.16	4.48	4.55	4.52	4.65	31	4.52
15OB12	Probability and statistics	Dr.k.Ramakrishnan	4.78	4.89	4.78	4.89	4.89	4.89	5.00	5.00	5.00	4.89	4.78	4.89	9	4.89
15PE04	Java programming	S.Arul Antran Vijay	3.95	3.47	3.37	3.42	3.53	3.63	3.58	3.37	3.95	3.74	3.53	3.68	19	3.60
15PE30	Basics of java programming	S.Karthika	4.09	3.91	3.64	4.09	4.27	4.18	4.27	3.73	3.64	3.73	4.09	4.18	11	3.98
151D02	Microprocessors and microcontroller	Mr.Asif shah kutty	4.71	4.57	4.43	4.57	4.57	4.57	4.43	4.43	4.14	4.57	4.57		7	4.51
151D02	Microprocessors and Microcontroller	R.Adelin Daisy	4.07	3.67	3.73	3.73	3.87	3.60	3.67	3.87	3.93	3.87	3.87	3.73	15	3.80
151D02	Microprocessors and microcontroller	Sajeesh	3.89	3.78	3.78	3.89	3.78	3.78	3.89	3.83	3.67	3.94	3.83	3.89	18	3.83
151D06	Signals and Systems	P.Divyabharathi	4.08	4.03	3.92	4.03	3.92	3.92	3.78	3.90	3.85	3.88	3.85	4.03	40	3.93
15TE01	Advanced data structures	S.Lavanya	4.78	4.33	4.67	4.78	4.78	4.67	4.56	4.78	4.67	4.33	4.56	4.78	9	4.61
15TE03	Operating systems	R.Gomathi	4.83	4.66	4.72	4.72	4.76	4.69	4.76	4.69	4.72	4.66	4.79	4.69	29	4.72

*****Note:*****
QNo: Questions
Q1: Punctual to the Class and Handling the class for entire Duration.
Q2: Presentation, Clarity of expression and Voice Modulation.
Q3: Completion of syllabus in time.
Q4: Clarity of Writing in the Board.
Q5: Review of previous class subjects content.
Q6: Control of students in the class.
Q7: Clearing doubts in the class and outside.
Q8: Motivating and Encouraging students to use Library for Journals/ Ref. Books.
Q9: Treating every student equally without favouritism.
Q10: Fulfilment of expectation of the course.(over all satisfaction).
Q11: Giving assignments/Homework regularly and monitoring.
Q12: Returning of valued answer scripts in time.
 Principal

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ALUMNI SURVEY-ANALYSIS
BATCH 2013 – 2017

Total No. of Responses: 90

S.No.	Questions	Assessment Method And Weightage				PO Attainment (%)
		Yes	To some extent	no	Weighted Average	
1	Are you able to analyze engineering problems with the knowledge you gained?	57	10	23	2.38	80
2	Are you able to identify, formulate and solve engineering problems?	50	20	20	2.33	80
3	Are you able to apply, use techniques, skills and modern engineering tools necessary for engineering practices?	50	23	17	2.37	80
4	Are you able to function in multi disciplinary projects and multi disciplinary teams?	45	23	22	2.26	80
5	Were you able to design and conduct experiments, analysis and interpret data given by your faculty which were not in the syllabus, and analyse and interpret data?	50	19	21	2.32	80
6	Were you able to undertake project works which were useful to society?	40	31	19	2.23	70
7	Are you fully aware your responsibility as a professional engineer?	40	39	11	2.32	80
8	Have you got sufficient knowledge other know in you domain so that we can take up multidisciplinary projects?	33	45	12	2.23	70
9	Are you aware of the latest problems and solutions concerned with your domain?	40	43	8	2.35	80
10	Have you acquired sufficient managerial skill to manage and situation which rose while graduating?	40	45	9	2.33	80
11	Are you able to communicate easily and effectively?	24	55	10	2.16	70

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ALUMNI SURVEY-ANALYSIS
BATCH 2013 – 2017**

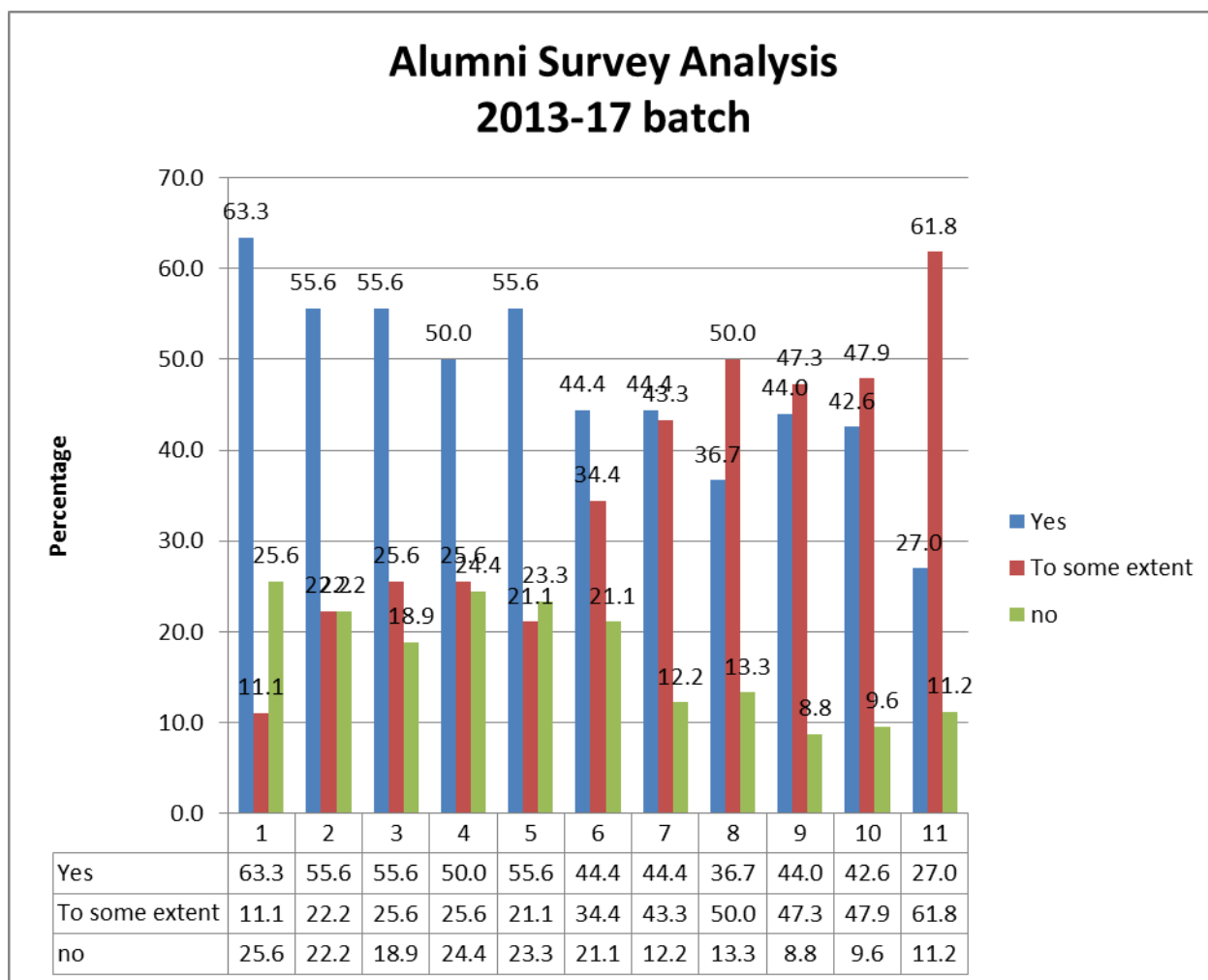
Percentage of Responses

S.No.	Questions	Assessment Method And Weightage		
		Yes	To some extent	no
1	Are you able to analyze engineering problems with the knowledge you gained?	63.3	11.1	25.6
2	Are you able to identify, formulate and solve engineering problems?	55.6	22.2	22.2
3	Are you able to apply, use techniques, skills and modern engineering tools necessary for engineering practices?	55.6	25.6	18.9
4	Are you able to function in multi disciplinary projects and multi disciplinary teams?	50.0	25.6	24.4
5	Were you able to design and conduct experiments, analysis and interpret data given by your faculty which were not in the syllabus, and analyse and interpret data?	55.6	21.1	23.3
6	Were you able to undertake project works which were useful to society?	44.4	34.4	21.1
7	Are you fully aware your responsibility as a professional engineer?	44.4	43.3	12.2
8	Have you got sufficient knowledge other know in you domain so that we can take up multidisciplinary projects?	36.7	50.0	13.3
9	Are you aware of the latest problems and solutions concerned with your domain?	44.0	47.3	8.8
10	Have you acquired sufficient managerial skill to manage and situation which rose while graduating?	42.6	47.9	9.6
11	Are you able to communicate easily and effectively?	27.0	61.8	11.2

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ALUMNI SURVEY-ANALYSIS

BATCH 2013 – 2017



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
EXIT SURVEY-ANALYSIS
BATCH 2014 – 2018

Total No. of Responses: 80

S.No.	PO's
1.	Ability to apply knowledge of mathematics, science and engineering principles to the problems in Computer science and engineering.
2.	Ability to design and conduct experiments, as well as to analyze and interpret data.
3.	Ability to use the techniques, skills and modern engineering tools necessary for engineering practice.
4.	Ability to design a system, component or process to meet desired goals in their domain considering environmental, social and ethical aspects.
5.	Ability to function in interdisciplinary teams.
6.	Ability to identify, formulate and solve engineering problems.
7.	Understanding of professional and ethical responsibility.
8.	Ability to communicate effectively.
9.	Ability to understand the impact of software solutions in global, environmental and societal context.
10.	Ability to realize the need to engage in life-long learning.
11.	Knowledge of contemporary issues.
12.	Ability to manage the projects in the relevant areas of computer science and engineering and enhance research through engineering and management principles.

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
EXIT SURVEY-ANALYSIS
BATCH 2014 – 2018**

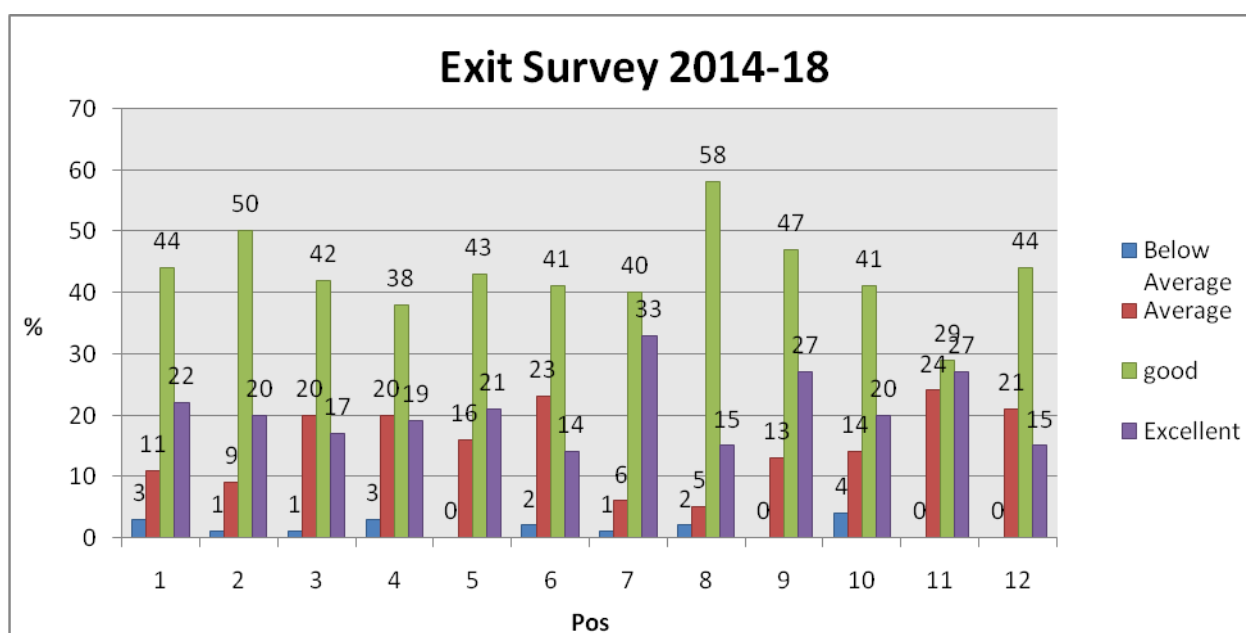
Total No. of Responses: 80

PO'S	Assessment method and weightage					Po attainment %
	1	2	3	4	Wt.AVG	
1.	3	11	44	22	3.06	70
2.	1	9	50	20	3.11	70
3.	1	20	42	17	2.94	60
4.	3	20	38	19	2.91	60
5.	0	16	43	21	3.06	70
6.	2	23	41	14	2.84	60
7.	1	6	40	33	3.31	80
8.	2	5	58	15	3.08	70
9.	0	13	47	27	3.16	70
10.	4	14	41	20	2.97	60
11.	0	24	29	27	3.04	70
12.	0	21	44	15	2.93	60

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

EXIT SURVEY-ANALYSIS

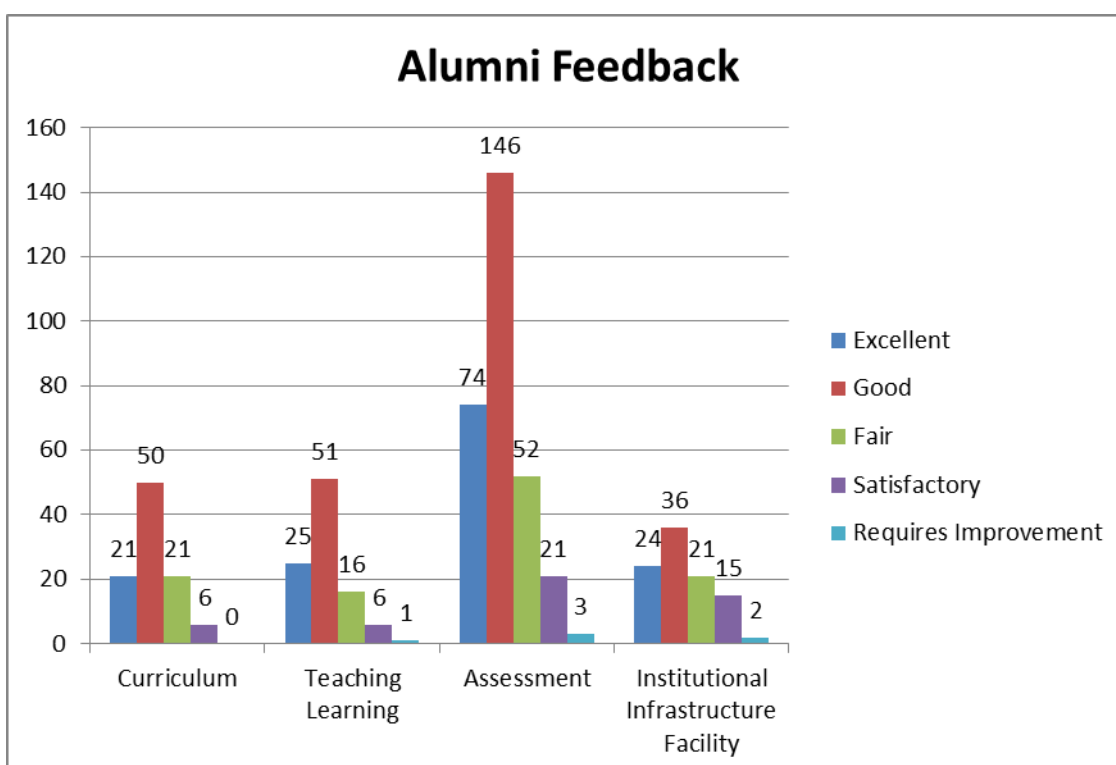
BATCH 2014 – 2018



DEPARTMENT OF MECHANICAL ENGINEERING

ALUMNI SURVEY-ANALYSIS

BATCH 2013 – 2017



Area of Evaluation %	Excellent	Good	Fair	Satisfactory	Requires Improvement
Curriculum	21	50	21	6	0
Teaching Learning	25	51	16	6	1
Assessment	74	146	52	21	3
Institutional Infrastructure Facility	24	36	21	15	2