

R.M.K. ENGINEERING COLLEGE



(Affiliated to Anna University, Chennai / Approved by AICTE, New Delhi)
All 7 Under Graduate Programs accredited by
National Board of Accreditation (NBA)
R.S.M.Nagar, Kavaraipettai – 601 206,
Gummidipoondi Taluk, Thiruvallur District Tamilnadu





INTERNAL QUALITY ASSURANCE CELL (IQAC)

ANNUAL QUALITY ASSURANCE REPORT (AQAR) – (2017–2018)

Submitted to



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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The Annual Quality Assurance Report (AQAR) of the IQAC 2017-18

The AQAR details the results of the perspective plan worked out by the IQAC for the period July 2017 to June 2018 (Academic year 2017-18)

Part - A

1.Details of the Institution R.M.K. Engineering College 1.1 Name of the Institution R.S.M. Nagar 1.2 Address Line 1 Kavaraipettai Address Line 2 Gummidipoondi Taluk City/Town Tamil Nadu State Pin Code 601 206 Institution e-mail address principal@rmkec.ac.in 044-3330 3331 (Direct) Contact Nos. 044 - 3330 3330 (Extn 331) Name of the Head of the Institution: Dr. K. A. Mohamed Junaid Tel. No. with STD Code: 044-3330 3331 Principal: 91-98657 07860 Mobile: Name of the IQAC Co-ordinator: Prof. M. Somasundaram Mobile: 91-98400 99774

IQAC e-mail address:		iqac.naac@rmkec.ac.in					
1.3 NAAC T	rack ID (F	or ex. MHCO	GN 18879)	TNO	COGN27546		
This EC n	mple EC/32 10.is availa	ommittee No. 2/A&A/143 da ble in the righ Accreditation	ted 3-5-200 at corner-bo	04.	SC) / 27/ A&A /	60.1 dated 12/0)9/2017
1.5 Website a	address:		www.r	mkec.ac.in			
W	eb-link of	the AQAR:	http://r	mkec.ac.in	n/iqac/aqar		
1.6 Accredita	ation Detai	ls					
	Sl.No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period	
	1	1 st Cycle	A +	3.52	2017	5 years	
	2	2 nd Cycle	-	-	-	-	
	3	3 rd Cycle	-	-	-	-	
	4	4 th Cycle	-	-	-	-	
1.7 Date of Es1.8 AQAR for		-		YY 2017-18	14/07/201		
	_	•			after the latest <i>p</i> 2011)	Assessment and	Accreditation
			Not	Applicable	e		
1.10 Institution	nal Status	Unive	ersity	State	Central	Deemed 🗸	Private
Affiliated	College	/	Yes	No			
Constituer	nt College	,	Yes	No 🗸]		
Autonomous c	college of U	JGC	Yes	No 🗸			
Regulatory Ag	gency appro	oved Institutio	n	Yes 🗸	No		
(eg. AICTE	, BCI, MCI	I, PCI, NCI)					

Type of Institution Co-education . N	Men Women
Urban Rural 🗸	Tribal
Financial Status Grant-in-aid UGC 2(f	f) UGC 12B
Grant-in-aid +Self Financia	ng Totally Self-financing
1.11 Type of Faculty/Programme	
Arts Science Commerce	Law PEI (Phys Edu)
TEI (Edu) Fingineering Healt	h Science Management
Others (Specify)	NIL
1.13 Special status conferred by Central/ State Gover	rnment UGC/CSIR/DST/DBT/ICMR etc
Autonomy by State/Central Govt. / University	NIL
University with Potential for Excellence	NIL UGC-CPE NIL
DST Star Scheme	NIL NIL
UGC-Special Assistance Programme DST-FIST	NIL NIL
UGC-Innovative PG programmes	NIL Any other (Specify) NIL
UGC-COP Programmes	NIL

2.1 No. of Teachers	14
2.2 No. of Administrative/Technical staff	02
2.3 No. of students	01
2.4 No. of Management representatives	02
2.5 No. of Alumni	02
2. 6 No. of any other stakeholder and	04
community representatives	04
2.7 No. of Employers/ Industrialists	02
2.8 No. of other External Experts	01
2.9 Total No. of members	28
2.10 No. of IQAC meetings held	06
2.11 No. of meetings with various stakeholders:	No. 08
Faculty Alumni	Non-Teaching Staff Students 02 Others 02
2.12 Has IQAC received any funding from UGC d	uring the year? Yes No
2.13 Seminars and Conferences (only quality relate	
(i) No. of Seminars/Conferences/ Workshops/Symp	
	National State Institution Level 4
(ii) Themes	
	ka-Yoke

2.IQACComposition and Activities

- ***** Enhancing Programming Skills
- **❖** HODs Interaction with Industries and other Academic Institutions for R&D and consultancy
- * Review of the progress of newly formed CoEs (Information Security, Embedded Systems, Automotive Electronics) and formation of new COE on Automotive R&D.
- **❖** Single Point of Contacts (SPOCs) for Business Units(BUs) hiring
- **❖** Conducting Workshops for I year Students with support from Concerned Department
- **❖** NPTEL e-Learning
- **❖** Membership with National Institution for Quality and Reliability (NIQR)
- **Solution** Enhancing MSME/E-Cell activities
- * Research Cell establishment
- * Technical Clubs for I year Students
- **❖** Preparation of Pamphlets for Industrial Consultancy Works
- **❖** B.Voc Programs in Automotive Servicing and Manufacturing
- ***** Workshops on Electric Vehicle Technologies
- Students Participation in International Collegiate Programming Contest
- **❖** Students Participation in 5G Test Facilities at IIT Madras
- * Regular ISO internal audits (twice in a year)
- **❖** ISO 9001:2015 Quality standards awareness programmes
- ❖ DNV GL external transition audit for transition to ISO 9001:2015 quality standards

2.15 Plan of Action by IQAC/Outcome

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

Plan of Action	Outcome
Risk Management Process	Risk Management Process is included in the scope of internal audits. Successfully completed Risk Assessment department wise
Awareness program on ISO 9001:2015 quality standards ISO transition from ISO 9001:2008	Awareness program on ISO 9001:2015 quality standards was conducted
ISO 9001:2015 Standards implementation	Standards implementation was successfully completed

^{*} Attached the Academic Calendar of the year as Annexure A-I

2.15Whether the AQAR was placed in statutory body Yes No					
Management Yes Syndicate Any other body					
Provide the details of the action taken					
Management reviewed the AQAR report and contributed valid suggestions. IQAC agreed and incorporated recommended suggestions.					

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	07	-	07	-
PG	03	-	03	-
UG	07	-	07	55
PG Diploma	-	-	ı	-
Advanced Diploma	-	-	-	-
Diploma	-			-
Certificate	-	-	-	-
Others	-	-	-	-
Total	17	-	17	55
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

^{*}The list of the above Programs is given in the Annexure-B-I

*The details of affiliation are enclosed in the Annexure- B-I

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

Pattern	Number of programmes
Semester	YES & PhD:07,PG:03,UG:07
Trimester	-
Annual	-

1.3 Feedback from stakeholders*A (On all aspects)	lumni	✓	Parents	✓	Employers	✓	Students		
Mode of feedback :	Online	✓	Manual	✓	Co-operatin	g sch	ools (for PEI)	_

Feedback from Alumni, Parents and Employers are collected manually using standard templates.

Feedback from students about the faculty members are collected through online using standard templates in every semester.

Feedback from students about the classes are collected through Class Committee meetings using standard template twice during each semester.

In addition to the formal feedback as above, various interactions and meetings are held with the stakeholders to take their inputs, suggestions, address their concerns, if any and take actions. Some examples of such feedbacks are:

Parents meetings when they visit the college

Students' feedback through counsellors meeting

Students' feedback through Principal's and HODs presentations held regularly during

- IQAC meeting
- Department Advisory Meeting
- Alumni visits to college for Mock Interviews, Guest Lectures etc.

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

Yes. Regulation 2017 has been introduced by Anna University with effect from 2017-2018 academic year. In view of this, RMK Engineering College introduced the new regulation for the first year students (2017-2021) batch. So every year the regulation will be implemented as follows.

	I	II	III	IV
2017-2018	✓			
2018-2019	✓	✓		
2019-2020	✓	✓	✓	
2020-2021	✓	✓	✓	✓

The salient aspects of R-2017are as follows

- i. Categorization of Courses: The B.E/B.Tech courses have been categorised as Humanities and Social Sciences (HS), Basic Sciences (BS), Engineering Sciences (ES), Engineering Sciences (ES), Professional Core (PC), Professional Elective (PE), Open Elective (OE) and Employability Enhancement Courses (EEC).
- ii. Course Registration: The Institution is responsible for registering the courses that each student is proposing to undergo in the ensuing semester. Each student has to register for all courses in the curriculum of a particular semester (with the facility to drop courses to a maximum of 6 Credits). Students can also register for courses for which he/she has failed in the earlier semesters. In such cases the student shall do reappearance registration for those courses for which the attendance requirement is not compulsory. However, the student has the option to take up some other professional elective or open elective that he has failed to pass. However, the total number of credits that a student is allowed to register per semester cannot exceed 36.
- iii. Value Added Courses: Students may optionally undergo Value Added Courses and the credits earned through the Value Added Courses shall be over and above the total credit requirement prescribed in the curriculum for the award of the degree.
- iv. **Online Courses**: Students may be permitted to register only one online course of 3 credits with the approval of Head of the Institution and Centre for Academic Courses.
- v. **Flexibility to Drop courses:** A student has to earn the total number of credits specified in the curriculum of the respective Programme of study in order to be eligible to obtain the degree. From the III to final semesters, student has the option of dropping existing courses in a semester during registration. Total number of credits of such courses cannot exceed 6.
- vi. **Other Employability Enhancement Courses:** The seminar / Case study, Industrial / Practical Training, Summer Project, Internship, shall be evaluated through internal assessment only.
- vii. **Co-curricular activities:** For the Co-curricular activities such as National Cadet Corps (NCC)/ National Service Scheme (NSS) / NSO / YRC, a satisfactory / not satisfactory grading will appear in the mark sheet. Every student shall put in a minimum of 75% attendance in the training and attend the camp compulsorily. A satisfactory grade in the above co-curricular activities is compulsory for the award of degree.
- st The Curriculum and Syllabi of UG & PG regulation -2017 is enclosed in the Annexure-B-I

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

Yes, the following Industry Collaborative Laboratory Centre of Excellence are established during the academic year 2017-2018.

- (i) Centre of Excellence on Cyber Security in collaboration with Tata Consultancy Services Ltd.
- (ii) Centre of Excellence on Cloud Computing in collaboration with Sales Force Virtusa Software Services Pvt Ltd.
- (iii) Centre of Excellence on Automotive Electronics in collaboration with KPIT Technologies Ltd.

In addition to this, the following Centre of Excellence Laboratories is functioning.

- (i) Centre of Excellence on Embedded Systems in collaboration with Wipro Technologies Ltd.
- (ii) Centre of Excellence on Telecom in collaboration with Wipro Technologies Ltd.
- (iii) Centre of Excellence on Big Data Analytics in collaboration with Virtusa and BNY Mellon Technologies Private Ltd.
- (iv) Centre of Excellence on Front End Technology in collaboration with Virtusa Software Service Private Ltd.
- (v) Centre of Excellence on Mobility in collaboration with Cognizant Technology Solutions.
- (vi) Centre of Excellence on Zoho Enrich Program in collaboration with ZOHO.
- (vii) Centre of Excellence on Building Management System in collaboration with Johnson Control India.
- (viii) Centre of Excellence on Microsoft Dynamics in collaboration with Hitachi Solutions.
- (ix) Centre of Excellence on Concrete and Form work in collaboration with L&T Constructions.
- (x) Centre of Excellence on Factory Automation in collaboration with Mitsubishi Electric India Pvt Ltd.
- (xi) Centre of Excellence on Product Life Cycle Management in Collaboration with PTC.
- (xii) Centre of Excellence on Automotive R&D in collaboration with MELSS.

^{*} The Centre of Excellence details are enclosed in the Annexure B--I

Criterion - II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
247	122	41	29	55

*Proof attached as Annexure- B - II

2.2 No. of permanent faculty with Ph.D.

59

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

Asst. Professors		Assoc Profes		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
3	0	-	-	-	-	-	-	25	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	43	-
		1

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	24	31	2
Presented papers	31	8	-
Resource Persons	5	11	4

^{*}Proof attached as Annexure- B-II

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

Course Planning

- Academic calendar is prepared in accordance with the Anna university schedule prescribed for affiliated institutions.
- Allocation of Theory and Practical Course:

Based on the choice of subjects given by the faculty members, the Head of the Department takes into consideration various factors like availability of subjects, prior experience and specialization / competency and willingness of the faculty. Based on subject allocation, workload and timetable is prepared and reviewed by HOD and Principal. Time table is prepared and checked by Overall Timetable Coordinator and approved by Academic Coordinator and Principal.

Based on the timetable and academic calendar, the faculty members prepare a lecture plan with details of proposed number of hours and date of completion of each unit in a course. Lecture plan has information of the course objective of each unit and ICT tools planned to use during the delivery of lecture and course outcomes.

• Academic schedule is prepared well in advance for smooth completion of syllabus, conducting revision class and examinations.

Course Delivery

• Bridge Course for 1st year and Vocational stream students.

- Choice based credit system with outcome based education system is followed in teaching learning process.
- Video Presentations are prepared by Faculty members and are uploaded in college website
- Innovative teaching methods like role play, Mind Mapping etc. are implemented and are uploaded in college website along with faculty details.
- Course material and Lecture notes are shared through group mail.
- The use of modern multimedia teaching aids like LCD projectors, internet enabled computer systems, use of working models, charts and demonstration of experiments are adopted.
- Smart class room:
 - ICT tools like PPT, multimedia presentations, webinars, Video lecture etc., are used for enhancing teaching learning process.
- Upgradation of the system is done by addressing the grievances of the students through various feedback processes.
 - **Proof attached Annexure B-II

Course Evaluation

- NBA has defined twelve program outcomes which every graduating engineer should possess irrespective of the program of study. Curriculum is designed by the University such that graduating engineers will acquire the skillset necessary to satisfy the program outcome. However, the gap if any between Curriculum/ Regulation and Program Outcome is filled by offering additional courses/ training which is not mandatory. The gaps in the curriculum has been identified under three heads majorly, namely, Curriculum Gap, Course Gap and Programme Gap. Also, skill set at the entry level of the students is noted and appropriate corrective action is taken for bridging the three types of gaps.
- Program outcome attainment is measured through Course outcome attainment for analysing the
 performance of the students. Outcome Based Education focuses on measuring course outcomes and
 mapping with Program outcomes. To get a clear picture of the attainment level of COs and POs,
 continuous assessment scheme is adapted during the period study of each course.
- Question paper setting for Internal Assessment is done by an automatic system in which each faculty
 member contributes towards a Question Bank for his / her course along with the CO it addresses and
 blooms taxonomy to evaluate them in all levels of learning. This has greatly improved the awareness
 of faculty and students on the Outcome Based Education and the Evaluation process by all the faculty
 members of the institution

SMART PICK SYSTEM:

- Question banks are prepared by the subject coordinator and it is consolidated and refined by the Overall Subject Coordinator of the group institution for each course and sent to exam cell. The set of question paper for each course can be auto generated by the system. The exam cell randomly generates one question paper.
- Question papers in Internal Assessment and Model exams etc. are as prepared based on Anna University pattern. Internal Assessment Question paper is Mapped with University exams to check the standard of Internal and Model question paper.

Communication

- Counsellors introduce themselves and give information regarding ethos of the college before the inception of the program to parents.
- Attendance of the students is monitored through Campus Performance Tracker (CP tracker). It gives the mode of leave and number of leave availed as on date.

- Based on the information in CP tracker, list of students with 100% attendance is shortlisted and they are rewarded during college day function.
- Attendance details are reported to Principal in the morning by 9.00 am and communicated to parents through phone calls.
- WhatsApp group with students and parents separately, to communicate any information at appropriate time by the branch faculty.
- Test and University Schedule is communicated to parents through WhatsApp.
- During Parents Meeting, performance and other details of the students is discussed in the presence of HoD, Counsellor, Parent and Student.
- Information is communicated in the website also, as and when necessary.
- Academic performance is sent to parents every week/month via,
 - Letters
 - SMS
 - Phone calls
 - They are also called to meet counsellors /HoD / Principal when necessary.

Faculty upgradation of Knowledge

- Faculty members are upgrading themselves by undergoing various online courses like NPTEL, Swayam etc.
- They organise and also participate in Faculty development programmes.
- Faculty members actively involve themselves with Research and Development activities.
- They participate in Seminar and Webinar sessions and Paper presentation in all leading educational institutions.
- They participate in National and International Workshop in their area of specialisation and interest.
- Training in appropriate Centres of Excellence is provided.

Value Added Training

- Imparting Business English Communication training (BEC) from an external agency.
- Improving Communication Skill by conducting Just a Minute, Role plays, Debate, Group discussions, brain storming sessions, model based demonstrations and quizzes.
- Infosys Campus connect soft skill training by trained faculty
- GATE coaching supported by GATE FORUM
- Advanced learners are motivated to write competitive examinations like CAT/IES/ IELTS, GRE, TOEFL.
- Value Added Course, Employment Enhancing Programme
- Examinations like AMCAT, Skill rack etc.
- E-learning:

Encouraging students to register in NPTEL or other Online course during every semester

Motivation

- Important Newspaper articles related to new inventions are displayed in the notice board.
- Business experts' videos were shown to the students to develop entrepreneurship skills.
- Students are motivated through guest lecture by alumni, industry oriented projects, paper presentation in conferences/symposia, participation in workshops / seminars, value added courses, In-plant / On-site training, etc.

Additional Practical Training

• Field / industrial visits are arranged for the students to be familiar with the recent developments in industry scenario. The details of Industrial Visit are posted in college website at department level

- Students are motivated to attend in-plant training during the semester holidays.
- Conducting Mock Interviews for pre-final and final year students.
- Students are encouraged to attend the internship trainings to get practical exposure from various industries.
- Inclusion of mini projects for courses
- Modernization of labs to accommodate the latest trends in industries. *Proof attached as Annexure- B-II
- 2.7 Total No. of actual teaching days

180

during this academic year

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

- > Continuous internal Assessment system
- > Question paper set with the different cognitive levels as per Bloom's Taxonomy
- Quiz
- > Field visits
- > Mini projects
- > Team projects
- > Seminar
- ➤ Online examinations
- ➤ Online Multiple Choice Questions
- ➤ Central Valuation for Model Examination among group institutions
- ➤ Double Valuation
- Photocopy
- > Review
- 2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop 5 6 2
- 2.10 Average percentage of attendance of students

95.4%

CIVIL	CSE	ECE	EEE	EIE	MECH	IT	S&H
91.096	94.1	95	95	94.69	95	94	96.79

2.11 Course/Programme wise distribution of pass percentage:

	Total no.	Division							
Title of the	of	Disti	nction	First	class	Secon	d Class	Pa	iss
Programme	students appeared	Count	(%)	Count	(%)	Count	(%)	Count	(%)
B.E (CIVIL)	134	4	2.98%	79	58.96%	28	20.9%	111	82.84%
B.E(CSE)	134	10	7.46%	94	70.15%	4	2.98%	108	80.6%
M.E(CSE)	6	2	33.33%	4	66.66%		-	6	100%
B.E(ECE)	195	45	23.07%	136	69.74%	185	94.87%	188	96.4%

M.E(Applied Electronics)	3	1	33.33%	2	66.67%	-	-	3	100%
B.E(EEE)	200	23	11.5%	142	71%	21	10.5%	186	93%
M.E(PED)	5	3	60%	2	40%		-	5	100%
B.E(EIE)	62	9	14.75%	52	85.24%		-	61	98.38%
B.Tech(IT)	59	11	18.64%	47	79.66%		-	58	98.31%

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

Planning of course delivery:

- ➤ Validation of allocation of courses as per competency matrix
- ➤ Validation of Master Workload, Time table, Individual time table, Lab time table
- ➤ Preparing time table to execute the lesson plans for optimum utilization of time allocated for all the courses. Besides the regular curricular activities, few periods are allocated for co-curricular & extracurricular activities such as sports, library, seminar, placement classes etc.

Orientation programme

- > To create awareness and interest in engineering for first year students, various innovative programs are conducted: eg Project Expo, Visit to Centre of Excellence Labs, and Special Address by Department HODs about the Engineering Courses etc.
- > Orientation and career enhancement programme is conducted for first year students.
 - **Proof attached Annexure B-II

Enriching Knowledge

- Apart from the prescribed syllabus, content beyond syllabus is also provided by the faculty members to widen their knowledge in every subject.
- Inviting experts from the leading industries and reputed institutions like NITs, IITs to deliver lectures to bridge the knowledge gap between industry and institution.
- ➤ Centre of Excellence for each department to cater the need for employability of the students from the beginning.
- ➤ Based on the industrial requirements, all the departments are organizing special workshops and value added courses to bridge the Industry-Institute gaps.

Monitoring:

- Monitoring Attendance of students through Campus Performance tracker.
- Monitoring, reviewing the progress of syllabus completion, performance of the students and other institutional activities in the department level meetings and management meeting.
- Reviewing every course log books (both theory and laboratory) by the HoD at least twice in a month and the same by the Principal once in a month to monitor the effective completion of the courses.
- ➤ Conducting surprise visit to classes and labs by HoD and Principal.

Guidance and Motivation

- Motivating the students to participate in inter-collegiate workshops, symposia, technical contests and seminars.
- > Students needing special attention are identified by the respective mentors and offered additional academic and counselling support.
- Academically best students in UG and PG courses are conferred with Gold medals and a citation during college annual day

Feedback:

- ➤ The evaluation of teaching learning process is facilitated through department class committee meetings, academic coordinator feedback, structured assessment tests, end semester examinations, online student's feedback.
- ➤ Collecting feedbacks about the faculty from the students twice in a semester to evaluate the effective delivery of the course, knowledge sharing, time management and etc.
- ➤ Conducting Student representative meetings, Parent meetings, Faculty meetings and taking corrective actions.

Meeting

A series of IQAC meeting is held and various activities of the college are discussed and its proceedings are provided in the college website. The samples of various discussion are

- > Series of discussions on student counselling were done and decisions taken
- > Series of reviews and discussions on improving programming skills in students
- Series of reviews and discussions on consultancy projects and involving students in such projects
- ➤ Understanding of new generation students: Lecture by an Alumnus.
- > Presentation by Alumnus on Mind Mapping techniques
- ➤ Presentation by Alumni / Entrepreneur on how to motivate students in entrepreneurship; Based on his suggestions, display boards were set up in all departments

Ensuring quality

- ➤ Conducting internal academic audit at the end of each semester to evaluate progressive implementation of lesson plan, course outcomes and department activity.
- ➤ Quality assurance of the teaching learning process is done by ISO 9001:2008, IQAC, NBA and other statutory and regulatory bodies.
- ➤ Counselling Cell, Grievance Redressal Cell, Career guidance, Training & Placement, Higher Education cell, IEDC are formed for improving quality of students.
- > IQAC department coordinators involve in monitoring the academic plan and report to the IQAC coordinator periodically

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development	Number of faculty benefitted								
Programmes	CIVIL	CSE	ECE	EEE	EIE	MECH	IT	S&H	Total
Refresher courses	-	-	-	-	8	2	-	-	10
UGC – Faculty Improvement Programme	-	ı	-	-	5	2	2	-	9
HRD programmes	-	ı	4	-	-	-	-	-	-
Orientation programmes	4	-	-	2	-	-	-	-	6
Faculty exchange programme	-	-	-	-	-	-	4	-	4
Staff training conducted by the university	5	1	6	13	-	-	-	-	18
Staff training conducted by other institutions	15	38	7	8	-	12	10	12	95
Summer / Winter schools, Workshops, etc.	12	8	13	14	26	9	10	-	79
Others	3	-	-	1	-	15	-	-	19

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	66	-	-	-
Technical Staff	55	-	-	-

Criterion – III

3. Research, Consultancy and Extension

- 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution
 - In the IQAC meeting, Dean (Research) participates and presents the status of research activities, proposal submission, participation of faculty and students in conferences and paper presentations/publications etc.
 - Research cell initiated various activities like consultancy works, patent submission and paper publications. (3.02.2018)
 - Faculty members are encouraged to submit research proposals to various funding agencies like DST, DRDO, AICTE etc.,
 - Students are encouraged to submit project proposals under student project scheme.
 - As a progress of research activity, research proposals being submitted to the agencies such as DST, DDP etc., for a total grant of 4 crores. One US- India project proposal related to Health care solutions for a cost of around 1.5 crores is expected to be shortlisted. (31.8.2018)
 - Mr. Ratnakar Rao (Alumni) suggested us to work in 5G and IQAC initiated the work.
 - Mr. Ratnakar Rao suggested to improve the programming skills by participating in International Collegiate Programming Contest (ICPC). (11.11.2017)
 - Mr. P. Ravikumar, Vice President HR & CSR Kamachi Industries, Member of IQAC representing the local society informed about "Sholavaram 2 Sricity HR Forum" (26.05.2018)
 - Mr. P. Ravikumar also suggested that College may interact with this Forum to gain consultancy work from industries in this Forum. (26.05.2018)
 - During the IQAC meeting, the IQAC members took initiatives to sensitize/promote research climate in the institution.
 - Faculty members and students are motivated to involve in research activities by making them to attend /organize workshop, seminar and conference related to their research/major thrust areas.
 - Faculty members are sponsored to pursue their higher studies under part time/full time basis.
 - Faculty members are sponsored allowed to attend the National and International conference from the institution.
 - Faculty members are also allowed to attend the seminar, workshop, FDP, SDP etc.
 - The faculty members are recognised for their excellent achievement in consultancy and for receiving research grants.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	1	1	08
Outlay in Rs. Lakhs	1.45	0.25	0.25	22

Details are given in annexure-B-III

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	15	18	8	25
Outlay in Rs. Lakhs	7.90	5.15	5.10	52,26,000

3.4 Details on research publications

	International	National	Others
Peer Review Journals	68	None	None
Non-Peer Review Journals	61	None	None
e-Journals	8	4	None
Conference proceedings	22	15	None

Details are given in annexure-B-III

3.5	Details	on i	Impact	factor	of	pub	lication	S

Range	6.759	Average	2.53	h-index	26	Nos. in SCOPUS	33
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3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration year	Name of the funding Agency	Total grant sanctioned	Received
		Future Farms Solar Energy Solutions Pvt. Ltd.,	100000	100000
		Vi Micro Systems	50000	50000
		Vi Micro Systems	100000	100000
Minor project	2 years	Future Farms	25000	25000
		Alpha Engineering Works	100000	100000
		Solar Energy Solutions Pvt. Ltd.,	50000	50000
		Jasmine Concrete Exports Pvt Ltd	75000	75000
		Future Farms	100000	100000
Minor project	1 year	ISHRAE	15000	15000
Major Project	None	None	None	None
Interdisciplinary Projects	None	None	None	None
Industry sponsored	None	None	None	None
Projects sponsored by the University/ College	None	None	None	None
Students research projects (other than compulsory by the University	1.Vinith Kannan A Vishal L2. T.Praveena 3. M.Karthik U.Saravanan M.Gunasekar 4. Simran S Subashini P	Road Anomalies Detection RefID based Public Transportation System Monitored using IoT Smart Air Pollution Monitoring and Control using IoT and Machine Learning	1. IEDC best Project2. ARM design contest Second Prize 3. Patent 201741032145 12/09/2017 4. Patent 201741032146 12/09/2017	

Any other(Specify)	AICTE	1,00,000	1,00,000
Total		7,15,000	7,15,000

Details are given in annexure-D-11	s are given in annexure-B	-II)
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3.7 No. of books published	i) With ISBN No.	04	Chapters in Edited Books	1

ii) Without ISBN No.

Details are given in annexure-B-III

3.8 No. of University Departments receiving funds from

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

3.9 For colleges

Autonomy NA

CPE NA

DBT Star Scheme NA

INSPIRE NA

CE NA

Any Other (specify) Rs.7,15,000

3.10 Revenue generated through consultancy Rs.8,42,600

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	2	5	None	None	None
Sponsoring agencies	AICTE,CSI,ISTE,IE(I)	CSIR, AICTE, Management RMKEC, IEEE, ISTE,IEI	None	None	None

Details are given in annexure-B-III

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

Details are given in annexure-B-III

3.13 No. of collaborations	International	10	National	8	Any other	NA
3.14 No. of linkages created during th	is year	14				

3.13 100	tal budget	for research for c	urrent yea	ar in	lakhs:					
From Fu	anding age	ency 11 LAKI	HS M	anag	ement of	Uni	iversity/Coll	ege	10,68,019	
Total		21,68,0	 19							
3.16 No	o. of paten	nts received this ye	In	ationa	tional		Applied Granted Applied Granted Applied	1 1 1	umber 11 None None None None	
			C	omme	ercialised		Granted		None	
	the institu	rch awards/ recograte in the year			•					
-	Total 30	International 3	Natior 23	nal	State 1	J	University None	Dist None	College 5	
3.19 No.	of Ph.D. of Resea		ty from the Ving the I	Fellone			<u> </u>		ones) other None	
3.21 No.	. of studer	nts Participated in University		nts:	7 ,	State	e level		0	
		National l		0	-		rnational lev	ـــا ما	0	
3.22 No.	. of stude	ents participated in	NCC eve	ents:				L		
					Unive	sity	level NA	State	e level	NA
		National	level		Interi	natio	onal level [NA		NA
3.23 No.	. of Awaı	rds won in NSS:								
		University	level	0	St	ate	level	0	1	
		National l	evel	0	In	terr	national leve	1 0		
24 No. o	f Awards	won in NCC:							\neg	
		University	level	NA	State	leve	el	NA		

National level	NA	International level	NA
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3.25 No. of Extension activities organized

University forum	NA	College forum	06		
NCC	NA	NSS	0	Any other	NA

- 3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility
 - Mega Blood donation camp on 02.02.2018 (categorized under college forum in 3.25)
 - Motivational program conducted by final year Mechanical students (2014-18 batch) at Government Higher Secondary School, Ponneri on 24.07.2017 (categorized under college forum in 3.25)
 - **Eco club activities** (categorized under college forum in 3.25)

Seed ball preparation - The members of the faculty and students sat around mounds of mixture of red soil, clay and vermi compost to make seed balls inserting seeds of native species.

- Science club activites (categorized under college forum in 3.25)
 - Project competition
- Social Responsibilities (categorized under college forum in 3.25)

Under Vidyanjali Yojana – initiated by the Honourable Prime Minister Mr. Narendra Modi, the faculty members of English department conducted a 2-Week **English Communication Enhancement Programme** (ECEP) for the teachers and the students of Panchayat Union Primary School (P.U.P.S), Kavaraipettai, Thiruvallur District. The programme was scheduled from 4/07/2017 to 14/07/2017 with the aim to augment the language skills of the teaching fraternity and the learning community. 85 students and 6 teachers of P.U.P.S. attended the Programme.

• Language club and Coding club (categorized under college forum in 3.25)

The language club associated with department of science and humanities conducted various events like adzap, picture description, hangman, developing story, shipwreck from 20.1.2018 to 1.2.2018. The coding club associated with department of science and humanities conducted coding competitions.

Details are given in annexure-B-III

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	1,27,030.94 sq. mts	-		1,27,030.94 sq. mts
Class rooms	60	-		60
Laboratories	78	1		79
Seminar Halls	8	-		8
Tutorial room	24	-	RMK	24
Drawing Hall	5	-	Management	5
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	15	2		17
Value of the equipment purchased during the year (Rs. in Lakhs)	59,454,514	2,095,036		61,549,550
Others	12	-		12

4.2 Computerization of administration and library

ADMINISTRATION

Campus Performance Tracker(CPT) a comprehensive student information system developed by our institution exclusively to enhance administration and student management. The integrated information management system connects daily operations in the Institution environment ranging from Admissions and Registration to Finance, Faculty personal and academic details, Attendance reports, Students information, Campus profile and Students profile. It builds relations with stake holders like students, parents and alumni.

LIBRARY

- The Institution has a well-established, fully air-conditioned Central Library
- The library has subscribed for e-journal packages of IEEE, ASME, ASCE, IETE, IEI, Delnet and National Digital Library (NDL).
- The library also subscribed National Journals and National Technical Magazine and General Magazine.
- The library provides facilities like OPAC, Multimedia, Internet and Proceeding s, Reports and CD-ROMs collections.
- Separate reprographic facilities are available for photocopying of reference material, journal articles and other printed materials.
- The library has an institutional membership with British Council Library (BCL)-Chennai, Anna University Library (AUL)-Chennai and DELNET-Delhi.
- The institution has an institutional Life Membership in Institution of Engineers (IEI) (India), Institution of Electronics and telecommunication Engineering (IETE) and Instrument Society of India (ISI).

- The library has separate standard library automation packages Auto Lib-Integrated Library Management Software-Web based software for effective library services such as issue, return, renewal and reservation of resources.
- A book bank is maintained for the deserving candidates.

4.3 Library services:

	Existing		Nev	wly added	Total		
	No.	Value	No.	Value	No.	Value	
Text Books	93136	3,56,66,053	2887	12,60,436	96023	3,69,26,489	
Reference Books	3126	63,78,414	126	2,53,450	3252	66,31,864	
e-Books	525	2,15,953	1250	11500	1775	2,27,453	
Journals	101	2,25,260	93	2,06,390	194	4,31,650	
e-Journals	2774	30,13,702	191	10,60,377	2965	40,74,079	
Digital Database	15	30,13,702	9	10,60,377	24	40,74,079	
CD & Video	2326	-	61		2387		
Others (NPTEL)	290	-	308	-	598	-	

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart- ments	Others
Existing	848	800	290 Mbps	-	-	11	27	10
Added	-	-	in all system in	-	-	-		-
Total	848	800	the campus	-	-	11	27	10

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

All the students are given training for technology up gradation throughout the year by the system administrator of the computer centre.

4.6 Amount spent on maintenance in lakhs:

i) ICT	Rs. 314,515
ii) Campus Infrastructure and facilities	Rs. 150,195,782
iii) Equipments	Rs. 2,317,739
iv) Others	Rs. 22,055,042
Total:	Rs. 174,883,078

Criterion - V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

(a) Student Support Activities

- Presentation by Principal and HoDs to the Students for creating awareness about the Student Support Services
- The Institute facilitates the students to avail stipends, fellowships and scholarships from Govt and Non govt bodies.
- A counsellor is allocated for a group of 22-24 students in each programme to monitor and counsel the students' progress in academic as well as extra-curricular activities.
- Regular parent's meeting and student's performance monitoring.
- ➤ Identifying the slow learners and requesting the teachers concerned to provide some additional help or guidance/coaching.
- Continuous motivation is provided to the Top scoring students to obtain University ranks.
- > Students are motivated to do Projects, Higher studies, Entrepreneurship based on their interest.
- > Question banks and answers are provided to the students to score good marks in the examinations.
- Cash awards are provided to the University rank holder during the College day.
- > Smt .Manjula Munirathinam scholarship for deserving candidate is provided every year the best performing Student.
- ➤ Book exhibition from various publishing company held in the college once in a year. Students are able to have knowledge of books for Competitive Exams and GATE exams.
- Toppers are given gift vouchers; they can use vouchers in this book exhibition.
- > Japanese language training is given to students, so that they will have the opportunity to get placements in the Japan Companies.

(b) Students Co-curricular activities (Eg. Corporate Competitions including win in Smart India Hackathon etc)

- Students are encouraged to participate in extracurricular and co-curricular activities such as technical fests, cultural events, sports events etc. Enclosed in Annexure V-C & V-E
- > The institute encourages the students to participate in corporate competitions, workshops, and various contests organized by reputed institutions, industries and Govt bodies.
- > Students are motivated to participate in Sports meet conducted by other colleges, zonal meet organized by the Anna university. Many achievements such as cash prizes, trophy, medals are won by the Students'. (Enclosed in Annexure V-D)
- Smt. Manjula Munirathinam Cricket trophy is organized every year by the college. Cricket teams from leading colleges in Chennai will participate in this event.

(c) Industry exposure to Students: (Eg. Industry Visits, Guest Lectures etc)

- Each Department is taking necessary initiative to conduct regular guest lectures, seminars and workshop by Industry resource person including our Alumni working in MNC's and other reputed industries.
- Industry-Institute Interaction through Industry supported laboratory.
- Industrial visits are arranged to impart practical knowledge to students.
- Learn wise programme (Entrepreneur training) is provided to students to stimulate their ideas for being an Entrepreneur.
- > Students visited the Science Exhibition conducted by CVRDE (DRDO) and exposed to emerging research activities and its role in military.

(d) Corporate Relationship Coordinators (CRC) activities to students

- ➤ In Plant training is arranged by CRC to students for the practical exposure.
- Industrial Experts conducts workshops to the students in the specific domain.
- Executives from leading industries are invited as key note speakers for conferences to discuss the recent trends in technologies.
- Professional bodies and students chapters are inaugurated by distinguished personalities from industries.

(e) CoE Laboratories for Students

- Placement and Training cell organises various training programmes to mould the students' with core competency and employability.
- Centre of Excellence Laboratories are established to train the students in emerging areas in the technology for producing job ready students.
- Advisory committee members from various companies provide continuous support to the CoE in updating the curriculum and in Industrial connects.
- Students trained through the CoE can procure placements in the companies related to the CoE Technology.

(f) Value Added Courses for Students (Eg. BEC etc)

- > Value added courses are conducted periodically to the students to enhance their placement and career.
- Career development programs for the students are conducted.
- Motivating the students in taking up proficiency certificate course in Business English Certificate (BEC).
- > Enhancing Programming Skills training organized to enrich the students' knowledge in programming.
- ➤ Daily Challenge tests are provided through Skill rack portal.
- Multiple choice questions (MCQs) are posted in Skill rack to evaluate the students' knowledge in the core subjects.
- ➤ Training the students through leading training providers like SMART TRAINING RESOURCES, JADE, FACE & 'Mission Possible' sessions by Mr. Suresh Punjabi are conducted to enrich their skills and to face campus interviews.

(g) Promoting Higher Education

- ➤ Higher Education Cell functions to guide the students for their higher education. It conducts various training programs to empower the students for UGC-CSIR-NET, UGC-NET, SLET, GATE/CAT/GRE/TOFEL/IELTS/GMAT/ Central/State services, Defence, Civil Services and other competitive examinations.
- Counselors, Professors and HoDs' counsel and motivate the students to prepare for higher studies. Students are provided guidance to apply for higher education in reputed Institutions in India and abroad.
- Road show programmes are conducted to spread awareness on opportunities of Higher education at Leading Institutions in Abroad and India.
- Earn and Learn Scheme and other government schemes to help them pursue higher studies.
- > Details on Educational fair is communicated to the students by Higher Education Cell.

(h) Participation of Students Community Service Activities (Eg. Blood Donation, NSS etc, Swachh Bharath Summer Internship)

- Every year R.M.K.Engineering College and Rotary club of Gummidipoondi Industrial city organizes blood donation camps at R.M.K Engineering College through L.L.M.R.F public charitable Blood bank. Around 150 to 400 students donate blood during the camp.
- ➤ Youth Red Cross Society, The first of its kind in the institute, has been established during the academic year 2012-13 with the twin objective of evoking awareness towards social responsibilities among the youth and involving the energetic section of the society in the voluntary and responsible programs of Indian red cross society.
- National Service Scheme (NSS), National Cadet Corps (NCC) and other clubs to encourages the students towards personal and community development.
- > Anti-ragging Committee services.
- Swachh Bharat initiatives are undertaken.
- Eco Club organise environmental awareness camp.
- Faculty members from S&H department are actively training the students in Govt. school at kavaraipettai and Ponneri to develop communication skills of the students.

(i) Additional Support & Facilities

- > The e-content of the Study Materials and Question Banks are uploaded in the College intranet and the students can access e-content anywhere inside the campus.
- > Library and support services to supplement the thrust of students and to enrich their self-learning ability.
- > Feedback through Class committee meetings, student Council meeting, Hostel roaster duties.
- ➤ Highlighting achievements of students in college newsletter, Notice boards and websites.

5.2 Efforts made by the institution for tracking the progression.

(a) Assessment of the Students

- The students' progress are assessed continuously through Unit Tests, Internal Assessment Tests & Model Exam.
- Result analysis format is enclosed which projects the cumulative results of the students. (Enclosed in Annexure V-A)
- Institution has framed a common platform to track the students' academic and Non-academic progress through counselling book including the marks scored in internal assessments and University Exams.
- Analysing the students' performance and counsel the slow learners with the proper acceptance from their parents.
- Encourage the student to participate in inter-college competitions and also to carry out major and minor projects.
- Conducting parents meet and informing them the progress of their children also encourage them to improve their skills.

(b) Progress Monitoring

- > Regular Department Meeting are being conducted to monitor the progress of the action plan.
- Academic audit is being conducted to evaluate the progress of the Department in every Semester.
- The Management review meeting is conducted every semester to review and analyse the previous targets and also to set the new milestones.
- > Quality objectives are specified in the beginning and end of the semester.
- > Internal Quality Audits are being conducted monthly to review the attainment of the quality objectives.
- Monitoring the students' performance and attendance through class counsellors, class in chargers, year coordinators and HoDs and also counsel them in case of poor performance in academic records.
- > Special counselling for weak students, home sick, attitude problem is done and their grievances are addressed immediately. These grievances are redressed and it is recorded in the Student's counselling book.
- Mock Interview by the top performing Alumni Students are conducted to monitor the Progress of the students'

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
3331	20	65	-

(b) No. of students outside the state

704

(c) No. of international students

--

Men

No	%
2191	65.38

Women

No	%
1160	34.62

Last Year (2016-17)					This Year (2017-18)						
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1148	326	13	2249	05	3741	1023	286	11	2026	05	3351

Demand ratio -Nil Dropout % - 10.42%

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

- ➤ Higher Education cell established in 2009 facilitates the students who aspire to do higher studies in India and Abroad through various programs.
- > Second year students are enlightened with the various competitive examinations such as GRE /TOEFL / IELTS / CAT / GATE through the representatives from renowned institutions.
- An awareness presentation on "Civil services Examination" is provided by the retiredIAS officers for the third year students.
- ➤ MoU is established with The Princeton Review for GRE / TOEFL / IELTS classes for students of the institution either on-campus or off-campus.
- ➤ MoU is established with GATEFORUM for GATE classes for students of the Institution either on campus or off-campus.
- Coaching classes GRE / IELTS / TOEFL classes are organized for third year students.
- ➤ GATE training is provided to third year students. Mock GRE / GATE examinations are conducted for students in their final year.

No. of students beneficiaries

5.5 No. of stude	ents qua	alified in these ex	xamina	2606			
NET		SET/SLET		GATE	14	CAT	03
IAS/IPS etc		State PSC		UPSC		Others	02

(a) Counseling:

➤ The Institute has a unique Student mentoring System for all the programs. The objective of this system is to help, support, counsel and guide the students for improving their overall personality. The mentoring system of the institution is shown in the below Table.

Mentor / Counsellor	Mentee	Issues		
Faculty	22-24 students	Academic / personal issues		
T & P / HE cell / IEDC	All the Students	Career Guidance		
Professional	To the needy	Issue based		

- Number of students allotted per Mentor maximum of 24
- > Frequency of meeting: Once in a week on a regular basis and whenever necessity arises, the required counseling is extended.
- The counsellor maintains all the records related to the academic performance and extracurricular achievement of the allotted students.
- ➤ The Student Counselling Service helps to address personal or emotional problems to realize their full academic and personal potential. The counselling system offers a confidential service, to be more specific, a remedial relationship where healing is experienced.

(b) Career Guidance:

Career Guidance is provided to the students depending on their interest and career choice by the following:

- Training & Placement cell
- ➤ Higher education cell
- > Innovation and Entrepreneurship Centre, Centre of Excellence

Training & Placement

- ➤ Placement training programs are conducted for the students' right from the first year to improve their communication skills, analytical skills, reasoning, programming skills, leadership qualities, confidence levels etc.
- ➤ Placement training programs on quantitative aptitude, verbal reasoning, analytical skills, soft skills, interview skills, group discussions etc. and on-line aptitude tests (AMCAT, SKILLRACK) are conducted to help the students to get placements in reputed firms.
- ➤ The institution organizes various placement drives / campus recruitment at the campus by inviting reputed MNCs and national level industries to facilitate the students to find the right employment.
- > Placement Details of Mechanical department is enclosed as sample in Annexure V-B

Higher Education cell

- ➤ Higher education cell conducts various training programs to empower the students for UGC-CSIR-NET,UGC-NET,SLET, GATE/CAT/GRE/TOFEL/IELTS/GMAT/ Central/State services, Defence, Civil Services and other competitive examinations.
- The cell provides guidance to the students who aspire for higher education through seminars and presentations by consulate representatives
- ➤ Conducts training for GATE / GRE / TOEFL / CAT / GMAT etc.
- > Conducts awareness programs on "UPSC" Examination.

Innovation and Entrepreneurship Development Centre (IEDC)

- ➤ IEDC is conducting various Entrepreneurship and Innovation related programmes in association with various agencies like MSME, TiE, NEN other organizations for the benefit of the students
- Organizes entrepreneurship awareness camps and entrepreneurship development programs for aspiring entrepreneurs.
- Motivates and invites innovative projects for funding to design and develop prototypes.
- > Facilitate to apply for patent.
- Through the concerted efforts of IEDC, many students have shown interest to become entrepreneurs with startups within the campus by getting funds from nodal agencies like DST, AICTE-CII, NASSCOM and IIT-M Research Park.

No. of students benefitted

3351

5.7 Details of campus placement

	Off campus			
Dept	Number of Organizatio ns Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
CSE	84	69	54	
EEE	82	72	48	05
EIE	48	48	18	04
MECH	44	82	29	06
ECE	73	131	72	04
IT	82	46	36	02
CE	25	36	16	02
Total		484	273	23

5.8 Details of gender sensitization programmes

Women Empowerment Cell is existing to promote the general well-being of female students, teaching and non-teaching women staff of the college. Staffs and Students have participated in "Women & Youth Empowerment" on 10-02-2018 at Sir P.T. Thiyagaraya Hall, T. Nagar, and Chennai.

5.9 Students Activities

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

State/ University level	283	National level	69	International level	39
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State/ University level	116	National level	06	International level	
5.9.2 No. of medals /awards Sports: State/ University level	won by stu	ndents in Sports, o	Games ar	nd other events International level	01
Cultural: State/ University level	48	National level		International level	

* Details are enclosed in Annexure – B-V

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	34	14,39,700
Financial support from government (Scholarship)	668	40,83,655
Financial support from government (Tuition Fee Exemption)	175	83,37,500
Financial support from government (First Graduate)	439	92,67,500
Financial support from other Sources	Nil	Nil
Number of students who received International/ National recognitions	Nil	Nil

5.11	Student	organised /	initiatives
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Fairs	: State/ University level	01	National level	03	International level	
Exhibition	n: State/ University level		National level		International level	

5.12 No. of social initiatives undertaken by the students 07

5.13 Major grievances of students (if any) redressed:

The Academic Calendar is scheduled with two or three consecutive holidays without disturbing the number of working days which was requested by the students.

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION

- To be the most preferred destination in the country for pursuing education in Engineering, Management and its allied fields, at the undergraduate and post graduate levels, and for undertaking doctoral research.
- ❖ To transform learners into achievers at the global level with the right attitude towards changing societal needs.

MISSION

- To develop the needed resources and infrastructure, and to establish a conducive ambience for the teaching- learning process.
- ❖ To nurture in the students professional ethical values and instil in them a spirit of entrepreneurship.
- ❖ To encourage in the students a desire for higher learning and research to equip them to face the global challenges.
- To provide opportunities for students to get the needed additional skills to make them industry ready.
- ❖ To interact with industries and other organizations to provide for transfer of knowledge and know-how.

6.2 Does the Institution has a management Information System

Yes, the Institution has a management information systems and they are the following:

- (i) Campus Performance Tracker
- (ii) Online feedback system
- (iii) Website update system
- (iv) Performance appraisal system

Campus Performance Tracker

➤ Centralized database system is available both for staff and students. The Students details, Contact address and their daily attendance are maintained in the CP tracker. The following details are maintained in CPT system:

- Students and Faculty profiles with reports including students parents phone numbers
- Daily attendance of Students and Faculty
- Students Internal assessment test marks
- Letters to parents
- Schedules, updates and reports of Transport
- Students and faculty feed backs and updates
- Schedules, updates and reports of Hostel
- Details regarding Timetable
- Details regarding functions of Exam Cell
 - ❖ Proof for Campus Performance Tracker is listed in Annexure 6.1

Online feedback system

- > Teaching effectiveness of the faculty is obtained through On-line Students feedback System once in a semester and analysis made using software.
- Course end survey is obtained through on-line at the end of each course.
- ➤ Graduand exit survey is collected at the end of the final year regarding overall effectiveness of B.E course.
- Parent's feedback is obtained during parents teachers meeting conducted regularly.
- > Internal Assessment test Question bank is prepared and is submitted to centralized examination cell which inturn generates the question papers using customized software.
- ➤ Individual student email id is provided and managed by the Computer Centre.
- > Soft copy of notes and presentations are made available in each department
- > Group email id is available to distribute learning content to all in a class/department/year
- Wi-Fi id and password is provided to all students.
- Students are encouraged to learn and give seminars on latest topics. Competitions to encourage innovative project ideas are conducted and awarded. Online courses/modules can be learnt from campus upon registration.

Website update system

- ➤ Institutions website (www.rmkec.ac.in) provides campus tour and the all the information pertaining to the institution in detail. The stakeholders of the institution can get the required information with just-a-click. Website is updated regularly for the latest information.
- The marks awarded to the students in the continuous assessment tests and the attendance percentage are communicated to parents through post by the institution and are also accessible through the website of the affiliating university, (www.coel.annauniv.edu).
- ➤ Placement training programs on quantitative aptitude, verbal reasoning, analytical skills, soft skills, interview skills, group discussions etc. and on-line aptitude tests (AMCAT, SKILLRACK) are conducted to help the students to get placements in reputed firms.
- > Self-appraisal by the individual faculties are done once in a year in the prescribed format which covers academic activities such as pass percentage, teaching effectiveness, research and development activities and contribution to the college.
- > Self-appraisal submitted by faculty members is reviewed by the HoDs and the Principal. The consolidated strength and weakness of the faculty along with the Principals feedback is informed to the faculty through one to one meeting for further improvement.

Performance appraisal systems

- ➤ Performance appraisals of the faculty are obtained yearly after every academic year. The following details are maintained in Performance appraisal system:
 - Experience
 - Academic Performance in Previous years
 - Patents /Journal publications
 - Sponsored projects Applied / Granted
 - Seminars / Workshops/FDP/Industry Training attended or organized
 - Contribution to the Department
 - Contribution to the College
 - Performance appraisals obtained by the faculties are reviewed and remarks by HoDs of the respective departments are stated.
 - Performance appraisal system is online based and they are kept confidential.
 - Recommendations by Principal are also stated.

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

The Institute is affiliated to Anna University, the institution follows Anna university curriculum.

- ➤ Based on the feedback from the stakeholders and the decision of the Academic Council, new courses are suggested and recommended to the Board of Studies of the University. Concepts of Outcome based Education is used.
- Eminent faculty of the institution are members of Board of Studies, Syllabus Revision Committee and Academic Council of Anna University and they take active part in curriculum revision and in the discussions related to the implementation of various other academic activities and examination systems.
- In addition to the regular subject classes, the College organizes special guest lectures by inviting experts from various fields to share their knowledge and experiences with the students.
- To reduce the gap in the curriculum and industry, efforts are taken to improve employability as well as higher education. Appropriate Seminars, Industrial Visits, Value Added Courses are initiated and developed by the respective Department and Training and Placement Cell to enhance the skill set of industry ready graduates
- In addition to the regular value added courses, the College organizes additional programs like CoE- Centre Of Excellence Training linked with Industries to make students more employable.
 - Details of each CoE is listed in Criteria I (Curricular Aspects) of NAAC/AQAR
- Anna University will revise the syllabus every quadrennials according to the current technological developments. Anna University has introduced an Anna University New Syllabus pattern (Regulation 2017) which is applicable to the students who joined in academic year 2017-18. Students who are pursuing degree now will follow the same pattern which is currently followed.
 - Details of Anna University New Syllabus pattern (Regulation 2017) is mentioned in Criteria - I (Curricular Aspects) of NAAC/AQAR
 - ❖ List of faculty in the A.U. Syllabus Subcommittee with proof is listed in Annexure 6.2

Academic Calendar

- Academic Calendar is prepared before the beginning of the semester in accordance with Anna University's academic schedule prescribed for affiliated institutions.
- The calendar provides details on date of commence of classes, number of working days, holidays and proposed dates of internal test, Model and university tentative theory and practical commencement date and the college level and department level functions / activities.
- The hard copy of the same is distributed to all the students and faculty to enable them to perfectly plan the academic activities such as preparation of time tables, lecture planning, conduct of internal assessment tests etc.
 - ❖ A sample of Academic Calendar of higher semester for academic year 2017-18 Odd semester is given in Annexure 6.3

Lesson Plan

Theory & Practical / Laboratory classes

- Faculty members fill up the choice of subjects to be taught in the forthcoming semester according to their expertise and specialization. The subject allocation meeting is conducted by the HODs and courses are allotted to the faculty members based on their expertise, willingness and experience which facilitate the preparation of class time table and faculty time table on par with ISO standards with Course Outcomes (COs).
- A meeting with the HoDs, academic coordinator and the Principal is convened for allocating interdepartmental subjects.
- Lesson plan is recorded in the log book on a daily basis which is reviewed and approved by HoD and Principal on monthly basis.
- A detailed lecture plan is prepared by the individual faculty which is a comprehensive blueprint of the lecture classes (period wise) which also includes course objectives, reference books for the topics, teaching aids, content beyond syllabus planned, etc.
- Course completion is checked periodically.
- The laboratory in-charges are allotted based on their expertise and they prepare the lab manuals and schedule of experiments. Each laboratory in-charge ensures the availability/serviceability of equipments and consumables before the commencement of every semester.
 - ❖ A sample of Lecture plan of seventh semester B.E Civil engineering for academic year 2017-18 Odd semester is given in Annexure 6.4

Time Table

- > The time table is prepared for all the theory and laboratory courses in adherence to the Anna university curriculum.
- The class hours are planned to ensure optimum utilization of time period for effective teaching. Besides, few periods are allocated for training and placement classes.

Assessment Tests

- ➤ Unit Tests (I & II), Internal Assessments (I & II), Revision Tests and Model exams are conducted every semester as per the academic schedule for the continuous assessment of the learning process of students.
- All the above mentioned evaluation processes contribute to 20% of total (Internal) marks allotted to the course
- ➤ The end Semester exam contributes to the remaining 80% of the marks.

Tutorial

➤ Based on the university curriculum, Tutorial hours are allotted in the time table for analytical courses, are given application related problem under the guidance of concern subject faculty.

Projects:

- > Students are trained to carry out Innovative projects leading to patenting and initiating startup companies.
- ➤ Focus on Innovation & Entrepreneurship Development (IEDC) Cell activities.
- Establish Micro Small and Medium Enterprises (MSME) Cell to get funding for startup companies based on innovative projects done through IEDC.
- > CoEs set target for creating and patenting innovative products.
- ➤ Conducting awareness sessions on patenting procedures.
- The innovative thoughts of the students are exhibited by conducting Intra department competitions and in professional society activities.

Teaching Learning Process

- The college relies on the universal method of teaching strategy which is the chalk and talk method. However, creative and innovative methods of teaching are adapted for the effective delivery of curriculum
- > The concepts which are difficult to imagine are presented to the students through power point presentations and animations to impart insight into the subject. Presentations also illustrate ideas and concepts in graphics form. Video presentations effectively communicate the working of actual engineering solutions and their impact.
- ➤ Visual aids and models are shown during the class hours which help the students to visualize, learn, remember and recall the concepts easily and it also enhances the interests of the students on the subjects.
- ➤ Project aims at making the students work towards creating and designing innovative products or to find solutions to real world problems using their knowledge and under the guidance of industrial experts or experienced faculty members.
- Lab classes are utilized to demonstrate and substantiate the theoretical concepts through experiments and interpretation of results. Students perform the experiments in groups which encourages peer group learning and working in teams.
- In theory subjects, after completion of every Unit, topics are given for discussion among student groups to encourage the students to tell their views and ideas and to improve their understanding and involvement in the course.
- > Student teams are formed. Quiz and Debates are conducted after completion of every Unit to judge the level of understanding of the students.
- ➤ The students collect knowledge related to a topic and present it in a technical report and oral lecture comprehensively.
- > Guest lectures are given by eminent and experienced resource personnel from the Industry to deliver important topics in the course. It also gives the students an opportunity to interact with the industrial experts to improve their technical knowledge and to clear their doubts on different subjects and placement etc.
- Students get the opportunity to visit different industries and relate their technical knowledge gained during their course to the actual scenario in the Industry. They get motivated to undergo internships/in plant trainings, do innovative projects and also to seek placement in the industries suiting their area of interest.
- > Students and staff are enhancing their knowledge by online lectures from NPTEL and Swayam by AICTE.
- ➤ Videos and E-learning material from reputed institutes like IITs are used for giving more exposure on the courses particularly on topics that are not included in the curriculum.
- ➤ Value added courses are conducted for students on latest topics to improve their skills sets and knowledge and to make the students ready to meet the industry requirements.
- ➤ Detailed course materials, lesson plans, class notes, question banks, laboratory manuals, model question papers are prepared by the faculty and are made available to the students.
- The College Examination Cell holds the onus for all exam related activities and through coordinated efforts of all the stakeholders the entire evaluation system is smoothly managed.
 - ❖ Innovative processes adopted by the institution in Teaching and Learning is listed in Annexure 6.6

- Internal assessment I covers Unit I and II, Internal assessment II covers Unit III and IVand model examination covers the entire syllabus of a particular course.
- A question bank containing all possible questions is prepared by each subject handling faculty and submitted to the exam cell which generates the question paper for conducting the assessment tests using software.
- The question paper patterns for the internal examinations have been standardized by the institution, similar to that of University end semester question paper containing Part A, Part B and Part C questions, as applicable.
- > Student marks are intimated to the students immediately after the completion of assessment and the same is communicated to their parents through posts.
- > Slow learners are given special attention by conducting extra coaching for every subject.
- Fast learners are motivated to aim for Anna University Ranks and also involve themselves in doing innovative projects.
- Retests are conducted for students who fail to secure minimum % marks / who want toimprove their internal marks, with a special timetable framed for that purpose.
- All the above mentioned evaluation processes contribute to 20% of total (Internal) marks allotted to the course are also accessible through the website of the affiliating university. The end Semester exam contributes to the remaining 80% of the marks.
- > Students are awarded Internal Marks (20) based on their performance in the lab classes and model practical. At the end of the semester, average marks scored in all the experiments are considered in the Internal Marks (15). A Model Practical Exam is also conducted after the completion of the lab to assess the students about the understanding of the experiments. The marks obtained in the Model Practical are considered in the Internal Marks (5).
- > The faculty members are encouraged to prepare and submit research proposal for funding from various funding agencies such as DST, AICTE etc.
- The Principal investigator is given on- duty leave, TA and DA for his/her project presentations to the respective funding agencies.
- Encourages the faculty members to enroll for Ph.D. Programmes in their fields of interest.
- > The institute grants OD for the faculty pursuing Ph.D. to attend their course work.
- > Fully equipped R & D lab with Wi-Fi connectivity for faculty pursuing Ph.D. and research scholars.
- ➤ Helps the faculty members to organize State/National/International level Seminars/Conferences/Workshops
- Motivates the faculty members and students to publish research papers in reputed National and International journals.
- Any fund raised or money earned by any faculty through grants, providing training and consultancy services etc. will be shared between the faculty members and the institution at the ratio of 60:40 percentage of surplus.
- ➤ Provides financial assistance to attend conferences/workshops/seminars.
- > Students are encouraged to submit to project proposal IEI & TNSCST under student project scheme.

LIBRARY:

- ✓ The Central Library is covered with huge collection of 94524 volumes and 25598 titles, covering all major fields of science and engineering technology with international standard resources.
- ✓ The Library has subscribed for the e-journals package for AICTE Suggested IEEE, ASME, ASCE, Springer, Elsevier, J- Gate (Engineering & Technology), Mc-Graw Hill, ASTM Digital Library, ISOJTC 1, IETE, IEI, IET, DELNET, NDL and also subscribed of 100 national journals and 109 national technical magazines and general magazines.
- ✓ The library has an Institutional Membership with several external libraries such as, British Council Library, Anna University Library and DELNET
- ✓ The library has separate Auto Lib Integrated Library Management software Web based Software for their effective library services such as Issue, Return, Renewal and Reservation of resources.
- ✓ The Library providing for the staff and students such as OPAC, Multimedia, Internet, and Proceedings, Reports and CD ROMs Collections.

ICT:

- ✓ All the class rooms, seminar halls, laboratories pertaining to each department is enabled with ICT tools
- ✓ Students and staff are enhancing their knowledge by On line lectures from NPTEL and Swayam by AICTE
- ✓ Invited guest lectures are regularly arranged for two per semester
- ✓ Industrial visits are arranged in relevance with subjects for two per semester
- ✓ Power point presentation and animated videos are prepared by the faculty members and it is used for taking classes in an interactive manner.
- ✓ Recent advancements is discussed by the faculty members as content beyond syllabus. Study

PHYSICAL INFRASTRUCTURE/INSTRUMENTATION:

- ✓ RO Water Treatment Plant
- ✓ Sewage treatment plant
- ✓ Planting trees to make green campus
- ✓ Reconstruction of road inside the campus
- ✓ Spacious canteen has also been built and is functioning
- ✓ A fully functional health center with six beds for girls and four beds for boys is separately available in the PV block. A full time doctor and qualified nurse are employed.

6.3.6 Human Resource Management

- ✓ HOD identifies the HR requirement and informs the Principal who in turn consolidates the requirements from all departments and publishes in the daily newspaper. A selection committee comprising of the Principal, Academic Coordinator, HODs and Senior Professors of the institution is formed to interview the shortlisted candidates.
- ✓ Service conditions, Leave Rules, Code of Conduct, Service Benefits and Performance Appraisal are clearly defined.
- ✓ Every employee is eligible to avail casual leave and vacation leave. Compensation leave facility is also available.
- ✓ The Teaching staff members are given ON DUTY facilities for attending board meetings / Central valuation / External Examiner for practical examinations connected with university during the college working days.
- ✓ The institution promotes faculty for higher positions based on satisfying prescribed qualification, experience, research and developmental activities and performance in the interview.
- ✓ Faculties are sponsored Rs.4000/ per year towards FDP, Seminar, Conference etc.
- ✓ Employees Provident Fund (EPF).
- ✓ Two way Free Transports & Food is provided for both teaching staff and Non-Teaching staff.
- ✓ Faculty members are sponsored allowed to attend the national and International conference within with full registration fee and TA/DA with a maximum limit of Rs. 4,000/- and Rs.6, 000 for national and international conference respectively.
- ✓ Faculty members are also allowed to attend the seminar, workshop, FDP, SDP etc with full registration fee and TA/DA with a maximum limit of Rs. 2,500/- per participation.
- ✓ The faculties are recognized in every contributing and revenue generation through grants, providing training and consultancy services.
- ✓ Room rent has been waived for teaching faculty stayed in hostel.

6.3.7 Faculty and Staff recruitment

- ✓ At the end of every academic year, the workload for the next academic year is calculated as per AICTE and Anna University norms in all departments based on their intake. The number of vacancies are calculated and filled up.
- ✓ The selection of the faculties is made by the selection committee purely on merit. The selection committee scrutinizes the application and the following steps are carried out in selecting competent teachers.
- ✓ First round is a written test to test their technical knowledge in the respective field of Engineering.
- ✓ Second round is a seminar on their area of interest, to check their communication skill and black board presentation
- ✓ Third round is a seminar on common subject topic to the selected candidates based on second round with Principal to check their subject knowledge.

6.3.8 Industry Interaction / Collaboration

- ✓ Interaction with the industry helps in building a strong wall for the development of the Institution through creating job opportunities for students,
- ✓ Two Industrial Visits are arranged per semester for the students to gain practical knowledge.
- ✓ Final year students are motivated to do projects or internships in the industry.
- ✓ MOU has been signed with companies such as Hitachi Solutions India Pvt. Ltd, Tata Consultancy Services Ltd., Ericsson India Pvt. Ltd. NI Systems (INDIA) Pvt Ltd., Bangalore. Lab VIEW Academy, IBM Centre of Excellence, Infosys Technologies Ltd, Wipro Technologies Ltd HCL Technologies Ltd, Tata Consultancy Services, Cognizant Technology Solutions, Solution Technologies Private Limited, FLSmidth Pvt. Ltd, EMC2, Poseidon Solar Services Private Limited, Nexgtech research labs, Cisco systems (INDIA) Pvt Ltd, Keane India Ltd, VI Microsystems. to enhance the industrial requirement.
- ✓ Seminar/ Invited talk from industry experts has been arranged for students and staff to update their recent trends.

6.3.9 Admission of Students

UG ADMISSION

- ✓ The candidate should have passed the twelfth standard of Tamil Nadu H.S.C. (Academic) or an equivalent examination recognized by Anna University with Mathematics, Physics and Chemistry. The Candidate should have passed the Diploma Examination in Engineering / Technology of the State Board of Technical Education and Training, Tamil Nadu or an equivalent examination for direct admission to second year (Lateral Entry).
- ✓ Minimum marks 50 % & 45% of in Mathematics, Physics, and Chemistry for OC BC candidates respectively.
- ✓ Minimum marks 40 % in Mathematics, Physics, and Chemistry for MBC & SC/ST candidates respectively.
- ✓ Candidates from other states will be considered as belonging to OC only, irrespective of their community for the purpose of considering minimum eligibility marks.
- ✓ 35% of the students are admitted through Anna University single window counselling. 65% of the seats are filled up through consortium of self-financing colleges.

PG ADMISSION

✓ Candidates should have passed B.E. / B.Tech / AMIE/ or equivalent examination for seeking admission into relevant PG courses and its specialization.

50% of the seats are filled through TANCET by Anna University and remaining 50% of seats are filled through qualifying marks obtained in CET conducted by consortium of Self- financing colleges.

6.4 Welfare schemes for

Teaching & Non-teaching	Free Transport and Food - 100% Maternity Leave for Women Faculty - 1% Employee Provident Fund (EPF) - 100%. Gratuity - 100% (Any faculty who is relieved from service with more than 5 years of experience.) Fee Concession for wards admitted in School / College of RMK Group of Institutions - 3% In-Campus hospital with a male and female doctor with 24 x 7 Ambulance facility - 100% ATM facility - 100% Staff Quarters / Residential tutors with monetary benefit - 4%
Students	Free Health Check-ups

6.5 Total corpus fund generated	Nil				
6.6 Whether annual financial audit has bee	en done	Yes	٧	No	

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

Audit Type		External		Internal
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	(1) Anna University Inspection (2) ISO 9001 QMS Audit by DNV GL	Yes	ISO 9001 QMS Audit by RMKEC Certified Internal Auditors
Administrative	Yes	(1) Consultancy (2) ISO 9001 QMS Audit by DNV GL	Yes	(1) College Top Management and(2) ISO 9001 QMS Audit by RMKEC Certified Internal Auditors

6.8 Does the University	Autonomous College de	clares re	sults within 30 days?
	For UG Programmes	Yes	No v
	For PG Programmes	Yes	No v

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

Publication	of Semester	Examination	results	through online.

- At present our college is affiliated to Anna University, though we have satisfied all the norms given by AU as follows:
 - The College shall have 22 years standing.
 - The College shall have Faculty/Infrastructure as per AICTE norms.
 - The College shall run a minimum 3 PG programmes other than MBA/MCA.(for at least two academic years.
 - The College shall have Faculty: Students ratio UG= 1:15, PG=1:12.
 - The College shall be accredited by NBA/NAAC approval within a period of 2 years from the date of Autonomous status conferment / extension of Autonomous Status.
- In future, as per management decision we shall apply for autonomous status.

6.11 Activities and support from the Alumni Association

- ➤ Alumni deliver guest lecturers
- ➤ Motivational talks by GATE toppers
- ➤ Help the Training & Placement cell in recruitment by conducting Mock Interview every semester.
- ➤ Help in networking with industries by arranging Industrial visits
- ➤ Help in arranging industry personnel for guest lectures
- ➤ Help in Internship programmes in reputed industries

6.12 Activities and support from the Parent – Teacher Association

- ➤ Participation of the parents in the department wise and year wise Parents Teachers meeting is enabled.
- ➤ Parents feedback also collected and their perspectives on the needs and demands of their wards are consolidated and addressed.

6.13 Development programmes for support staff

Training program on maintenance of lab & service of equipments.

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

- > To ensure green cover in the campus, periodically trees are planted; planted trees are watered and maintained.
- Maintenance of Water harvesting mechanisms.
- ➤ Utilization of Solar power, solar water heaters in the hostels.
- ➤ LED lamp facility is available in indoor-game auditorium and conferences halls to save the electricity.
- > RO Water Treatment Plant
- > Sewage treatment plant near the bus stand
- Reconstruction of road inside the campus
- All the gardeners are permanent employee of the institution and are provided with PF benefits.

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.

In line with the future plans as given in the SSR Report submitted in 2017, following innovations have been introduced:

Funding for innovative projects through the MSME Incubation Center:

RMKEC–MSME Technology Incubator has been established as one of the few technology incubators in Tamilnadu recognized by the Ministry of Micro, Small and Medium Enterprises, Government of India (Ref. No.: HI/TN/568/00006). During 2017 – 2018, innovative projects have been selected for funding as follows:

- Farmers fertilizer Drone (Design of Heavy Lift Drone with Atomizer for spraying pesticides)
- NIVI Robot V.1
- Effect of PWM Techniques for Microbial Inactivation under pulsed Electric field (PEF) Liquid Food Preservation
- Smart Farming using IoT
- Shade Light
- Augmenting women's safety with wireless sensor network

The MSME incubator is funded by the ministry of MSME with Rs 6+ Lakhs per project for prototype development. First the IEDC Cell (Innovative Entrepreneur Development Cell) supported by DST, Government of India will support the concept validation and prototype creation for ideas being worked upon by the RMKEC students. The following students started THE START UP with the initiation of IEDC

- E. Kaleeswaran, S. Manivannan (EEE 2013-2014) started their new Venture in December 2015. They started a company, "M/s NIVI Robotics Private Limited" which is an Embedded Technology based product development start up.
- P. Karthik (EEE 2014-2015) started ELECTRIFIRZ, a diversified technology company that
 engages in the design, manufacture, home automation, wireless communication, media devices,
 lighting, energy efficient lighting solution and Healthcare Startup NIDHI Award 2018
- N. Suresh (EEE 2016-2017), the innovator of Smart farming using IoT, has registered his own company in the name of "GREEN FUTURE TECHNOLOGIES"

• Mr. S. Sivakumar (EEE 2017-18),), the innovator of "Life Saving Gadget" registered his own startup in the name of "DOBEY INNOVATORS"

The Business Incubation Centre is spread over combined area of 2000sq ft. and will reach out to and embrace a wider ecosystem of innovators to foster a vibrant spirit of entrepreneurship. The incubator also provides

- Guides and mentors budding entrepreneurs
- Connects with venture capitalists
- Commercialize innovative ideas on new Products, Processes and services

The RMKEC-MSME Incubator conducts awareness programs about entrepreneurial opportunities, funding opportunities and networking opportunities. It also invites entrepreneurs to share their success stories with students. List of Completed project in the past years

S.No	Name of the Project	Department
1	Solar aided portable Refrigeration system "eco ref"	Mech
2	Wireless keyboard for visually impaired (applied patent filed no: 2345/che/2015 /dt.08.05.2015)	EIE
3	Photovoltaic driven thermoelectric refrigerator cum warmer for rural India(applied patent filed no: 3165/che/2014 /dt.30.06.2014, Status: awaiting examination	EEE
4	Geogrid panels for low cost housing units	CIVIL
5	Design of intelligent autonomous air vehicle system for surveillance in gps-denied environment	ECE
6	Eco-friendly durable herbocrete	CIVIL
7	Semi-automated vehicle for physically challenged people	MECH
8	Induction heating assisted low cost bio-diesel production plant (applied patent filed no: 11/che/2014 /dt.	МЕСН
9	Effect of PWM technique for microbial inactivation under pulsed electric field (pef) liquied food preservation (applied patent filed no: 814/che/2015 /dt.10.08.2015, Status: awaiting examination)	EEE
10	Autonomous blimp	EIE
11	Design of feasible automatic insulin pump system	ECE
12	Efficacious cooling system centered upon establishing humidity control by encompassing (applied patent filed no: 1516/che/2015 /dt.25.03.2015)	EIE
13	Smart g shoes (this project has been selected for CII-AICTEDST innovation competition 2015)	ECE

14	Solar irrigation pump using sterling cycle	MECH
15	Intelligent wheel chair with advanced direction control	EIE
16	Cloud farming	EEE

Centre for Foreign Languages:

Launched as an innovative project, the Centre for Foreign Languages intends to cater to the compelling multilinguistic requirements of the higher education and off shore placement opportunities of the current globalised market. The centre intends to promote the study of various languages, literature and culture. At present the focus is on study of language.

In this era of globalization knowing a foreign language is always an asset which enhances the required edge both in the job prospects and higher education. Apart from the business exchange, there is also a growing need to translate scientific and technical documents. It is also necessary to break the myth that the knowledge of an additional foreign language is extremely essential only for off shore process and not to research scholars. After request from software companies visiting our college especially HCL, we were requested to start foreign language Japanese in particular. As the need aroused we organised a road show for student to explain the importance for Japanese and also volunteers were asked to join the class. Placements at the end of course or preconditional offer were promised. Around 50 students enrolled for it.

Enhancing programming Skills using the Skill Rack platform:

In further strengthening of the Enhancing of Programming Skills (EPS), RMK Engineering College collaborated with Skill Rack organization in conducting daily programming practices & tests across the institution through all students can participate through online either in the college or at home.

The programming problems and the questions are designed and uploaded by the RMK Core Team of EPS. The daily reports are sent to all the students and Principal, HODs and Faculty members with detailed reports, including the scores, attendances, etc. This has greatly helped towards practicing programming on a daily basis by the students.

Campus Performance Tracker (CPT):

To improve the productivity of the operations of the academic activities, the online system for the performances of the Campus has been enhanced and the Principal, HODs, Faculty members have started using the CPT for the following:

- Daily attendance of students
- Student ID card generation and updating the IDs
- Student Test marks in Internal Assessment I and II, Unit Test I, II and III, Model Exams,

- Results Analysis of the above test marks
- Sending SMS to parents of their wards' attendance and test marks information
- Faculty profile maintenance

The above system is designed and developed by the team of Analysts and Programmers in the Computer Center of the institution under the guidance of the Principal. The team is also responsible to host it in a common server and provide access to faculty members.

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

At the beginning of each semester different activities are planned for all departments which comprises academics, counselling, students extra-curricular activities, Placement research, Association activities etc., and principal will address the action plan to students. A sample format is shown below.

S.No.	Activity	Target / Details				Γ	Departm	ents		
	Description			CE	CSE	ECE	EIE	EEE	месн.	IT
1	UNIT TEST DATE/S for all Subjects & Pass %									
		No. of Students Starting Date Time	II YEAR							
2	Slow Learners Coaching	No. of Students Starting Date	III YEAR							
		Time								
3	All Faculty / Counsellors meeting with Principal (Date)	All Faculty & HoDs	Monthly							
4	All Students Meeting with Principal (Date)	Dept. wise	3 per sem.							
5	Year Co-ordinator Meeting with Principal(Date)	All Year Co- ordinator	Monthly							
6	Class Committee Members Meeting (Date)	All Dept. CCM	2 per sem.							

7	Hostel Students Meeting (Date) & No. of students	Boy	s				
8	Hostel Students Meeting (Date) & No. of students	Girls					
9	No. of Mock Interview conducted	2 per sem. For IV year students	2				
10	No. of students Placed / Eligible students - 2019 Batch						
11	Students Association Inaugural Function Date						
12	Guest Lecture completed with date						
13	Industrial Visits Completed with date		II YEAR III YEAR IV YEAR				
14	No. of students online courses registered II, III & IV year	No. of NIL arrear students	II YEAR III YEAR IV YEAR				
15	No. of Paper Publication	No. of fa					
16	No. of R& D Project proposals planned/ submitted	No. of (Pro					
17	No. of consultancy works completed	No. of (Pro					
18	No. of Patents filed / Published	Minimum 2	per dept.				
19	No. of students attended GRE, TOEFL, GATE, UPSC & other	2018 Batch 10% of Total Strength 2019 Batch 10% of	BOYS GIRLS BOYS				
	Competitive exams	Total Strength	GIRLS				
•	No. of students participated in State	State Level					
20	/ National Level Competitions	National Level					

	1400 / 01 : .:	I		ı	1		1	1
	MCQ / Objective		Sub 1					
	Type Qs - Preparation /	II YEAR	Sub 2					
	Upload in Skill	(III SEM)	Sub 3					
21	Rack Portal	2017 Regulation	Sub 4					
		All	Sub 5					
		Subjects	Sub 6					
	Average No. of	IV Year						
22	Students Absent	III Ye	ear					
22	/Week	II Year						
		Total No. Of	f Students					
		No. of st	udents					
	2018 Batch	registere Placen						
23	Placement / Higher Studies /	No. of St Place						
23	Entrepreneurship	No. of Students opted Higher Studies						
	Details	No. of Stude	ents opted					
		Entrepren						
		No. of Stud						
		Arrea	ars					



Principal addressing the Action plan to Students

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

Best Practice #1:

<u>Title of the Practice: Regular meeting of Counsellors by Principal</u>

Goal:

- Each Faculty is allotted with 20- 23 students.
- To understand the calibre of the students and their requirements for better performance
- Special attention for slow learners
- Mentoring their skills for various industrial needs

Context:

It is a great challenge to understand and shape the future of each student according to their skills. To ease this process effective counselling is being followed in the institution with strength of 20-23 students per faculty. The one to one attention given by them will make the student to understand their strengths, weakness and thereby effectively prepare for their academics and also adapt the current technologies. Effective mentoring is provided right from their first year to final year to focus them on their goals. The continuous monitoring of each faculty for their respective students with respect to academics, placement preparations, extracurricular and co-curricular activities will be submitted as a report to the principal periodically.

The Practice:

- Counselling records are maintained for each student from first year
- Weekly updation in their records regarding their academic performance and other activities
- Daily reports of their attendance to principal through year coordinators and counsellors.

Evidence of Success:

- The students feedback in class committee meetings has shown a progress after effective counselling
- The students are able to identify their strengths and weakness, thereby prepare effectively for their academics
- Special coaching classes were arranged for slow learners after they were counselled
- Daily attendance of all the students has been improved with effective Monitoring.
- In the University Examinations held during April/ May 2017, our **Overall Pass Percentage** for UG is **83.33%** and Nov/Dec. 2017 our Overall Pass Percentage for UG is **78.54%**. The Pass Percentage by all the departments is given below.

	Overall Pass %						
Department	Even Semester 2016-17	Odd Semester 2017-18					
	(VIII/VI/IV/II)	(VII/V/III/I)					
CIVIL	74.52	65.28					
CSE	80.50	74.00					
ECE	84.88	85.98					
EEE	78.98	73.99					

EIE	90.30	86.38
IT	90.14	79.41
Mechanical	88.35	85.45
Science and Humanities	86.68	88.39
Overall Pass %	83.33	78.54

Best Practice #2:

<u>Title of the Practice: Department level Management Review Meeting (MRM) based on Quality Objectives</u>

Goal:

- To review the action plan of each department periodically
- Effective measures for any deviation in the plans
- Analysing the corrective measures and implementation of actions based on the review of all faculty members in the department

Context:

Action plan of each department will be submitted at the starting of each academic year. The review of the actions will be discussed in the concern departments periodically for effective implementation. Remedial measures for any deviations in the action plan will be discussed and are effectively implemented.

The Practice:

- Every Month Second Saturday the department level Management Review Meeting will be conducted for Electrical and Electronics Department and Electronics and Communication department
- Every Month Second Friday the Department level Management Review Meeting will be conducted for Computer Science Department and first Friday for Information Technology department
- Every Month Second Thursday the Department level Management Review Meeting will be conducted for Civil Engineering Department and Mechanical Engineering Department

Evidence of Success:

 Our students have actively participated in various Co – Curricular and Extra Curricular events and received Prizes and Awards.

Name of the Company	No. of Students underwent Internship
Infosys Ltd	34
Virtusa	7
Tata Consultancy Services Ltd	6
JCI	4
Amazon Development Centre India Pvt Ltd	3
Econ	3
Zoho Corporation India Pvt Ltd	2
Ducont	2
Multicoreware	1
Elitists	1
Zilker	1
Sirius	1
Honeywell	1
8KMiles	1

Department	No. of Students Participated in Conference, Design contest, Symposium, Paper Presentation, etc.	No. of Prizes Won in Extra/Co-curricular Activities
CE	83	29
CSE	159	39
EEE	239	29
ECE	269	41
EIE	98	23
IT	149	18
ME	191	13
S&H	10	03
Total	1198	195

• Internship Training was offered by the companies like (Infosys, Zoho, Amazon, TCS) and 67 students from various departments underwent internship in the above companies

- Interest towards the research activities by the faculty members is high and the papers published by the faculty members reputed journals in the academic year 2017-18 is 156.
- Tracking of Academic activities were effectively performed

Department	No. of Publications
Civil Engineering	11
Computer Science and Engineering	49
Electronics & Communication Engineering	14
Electrical and Electronics Engineering	28
Electronics &Instrumentation Engineering	08
Information Technology	02
Mechanical Engineering	15
Science & Humanities	29

AWARENESS PROGRAM:

 In order to create successful awareness-raising campaign on Green Chennai and social forestry for sustainable development among the budding engineers, a presentation was done by RMKEC Eco club regarding seed ball preparation on 12/8/2017 for eco club members.



ACTIVITY:

• In continuation of the above said awareness program, around 8000 seed balls have been prepared with the help of eco club members and staff on 24/8/2017 and it was distributed to parents and students on fresher's day- 31/8/2017.



COMPETITIONS:

- To move the society towards non-conventional energy resources, as a first step we have initiated the competitions on eco concept. Proto type for harnessing solar energy and presentation on creating green building was conducted for eco club members.
- Prototype has been evaluated by Dr.C.Che0000000000000llamuthu, Emeritus Professor and Dr.T.Magesh, Professor, Dept. of Electrical and Electronics Engineering and Presentations on Green building has been evaluated by Dr. S.D. Uma Mageswari, Associate Professor, Dept. of S&H and Ms. A Hemamathi Asst. Professor, Dept. of Civil Engineering, R.M. K Engineering College.
- Rs.13,000/- has been sanctioned by the management to motivate the students. Winners and participants have been awarded with cash prizes and certificates.





GUEST LECTURE:

• Guest lecture was arranged for eco club members on 20/04/2018 to create awareness about "Two bin waste management system". The lecture was given by Mr.R.S. Krishnan, Asst. Project Manager, Regional Directorate of Municipal Administration, Govt. of Tamil Nadu.



SWACHH BHARAT SUMMER INTERNSHIP:

• Swachh Bharat summer internship – "100 hours of swachh" has been done successfully by two teams from our college at Kummarapettai and Sooranjeri villages, in Tiruvallur district and reports have been uploaded.







7.5 Whether environmental audit was conducted?

Yes

٧

No



Shri. R.M. Kishore, Vice-Chairman - RMK Group of Institutions receiving the Swachhta Bharath Ranking 2017 from Shri Prakash Javadekar, Union Minister of Human Resource Development, AICTE – Chairman Dr. Anil D. Sahasrabudhe, UGC-Chairman Dr. V. S. Chauhan

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

The institution, which was earlier certified as ISO 9001: 2008 organization for its Quality Management System (QMS), has now been certified as ISO 9001: 2015 as a transition to the new version of ISO 9001 during the year 2017 - 2018.

As a part of the requirement of ISO 9001: 2015, the institution has started doing a formal analysis of

- understanding the Context of the organization,
- identifying external and internal stakeholders,
- identifying requirements of the stakeholders, and the processes required to address those requirements
- Identifying the risks and opportunities of the organization.

Such analysis is also done at Department level and any Department specific risks and opportunities are also taken into account.

The current processes have been verified to satisfy the requirements of the stakeholders. However, the requirements and the adequacy of the processes, the risks and opportunities are periodically reviewed and will be improved if required.

8. Plans of institution for next year

- Focus on filing patents based on the student projects
- Establishing CoE in Artificial Intelligence (AI) (Initial study and discussions with industry and alumni have been conducted in 2017 – 2018)
- Establishing Robotics Lab (Initial faculty training has been completed in 2017 2018)
- Research and Training Programs on 5G

Alumni workshops in new technology skill areas

Name M. SOMA SUND ARAM

Name

Dr. K.A. MOHAMED JUNAID, M.E., Ph.D.,

PRINCIPAL

R.M.K. ENGINEERING COLLEGE R.S.M. NAGAR, KAVARAIPETTAI -601 206 GUMMIDIPOONDI TALUK, TIRUVALLUR DIST.

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

R.M.K. ENGINEERING COLLGE – AQAR – 2017-18

LIST OF ABBREVIATIONS

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

विकास आयुक्त का कार्यालय (सूक्ष्म, लघु और मध्यम उद्यम) सूक्ष्म लघु और मध्यम उद्यम मंत्रालय (भारत सरकार) तर्माण भवन, सातवीं मंजिल, मौलाना आजाद र

निर्माण भवन, सातवीं मंजिल, मौलाना आजाद रोड, नई दिल्ली-110 108



OFFICE OF THE DEVELOPMENT COMMISSIONER (MICRO; SMALL & MEDIUM ENTERPRISES) MINISTRY OF MICRO; SMALL & MEDIUM ENTERPRISES

> GOVERNMENT OF INDIA Nirman Bhawan, 7th Floor, Maufana Azad Road, New Dahi - 110 108

B1915

Ph.EPABX - 23063800, 23063802, 23063803 FAX - (\$1-11) 23062315, 23061726, 23061068, s-mail - domsmehq@nb.nic.in

No. 3(6)/2015/Inc./16th Meeting

Dated: 31.08.2015

Il tile,

To,

Dr. Elwin Chandra Monie Principal RMK ENGINEERING COLLEGE, Kavaraipettai – 601206 (T.N.)

Subject: Recognition of the Institute as Business Incubator (BI) / Host Institute (HI) for implementation of the scheme "Support for Entrepreneurial and Managerial Development of SMEs through Incubator" – reg.

Sir,

I am directed to inform you that proposal submitted by your institute for its recognition as BI / HI for implementation of the scheme "Support for Entrepreneurial and Managerial Development of SMEs through Incubator" was considered by the Selection Committee and the same has been approved in its meeting held on 12.02.2015.

In view of the above, you are requested to execute an agreement (original in duplicate on Rs. 100 stamp paper) between Government of India and your institute as , per format at the earliest so that your institute become eligible for getting financial support under the scheme and also send the proposal of new innovative ideas duly recommended by the local Management Committee at institute level.

Format of agreement, constitution of local Management Committee etc. and scheme guidelines are available at link http:///www.dcmsme.gov.in/schemes/Incubators 10.pdf.

Kindly acknowledge the receipt of the letter.

Yours faithfully,

(A.K.Mitra) Asst. Director (Inc.)

Copy to:

The Director, MSME-DI, Chennai for kind information.

ANNEXURE – A



R.M.K. ENGINEERING COLLEGE

Calendar for Higher Semester Academic Year 2017 - 18 (Odd)



	JUNE 2017							
Date	Day	No. of Working Days	II / III / IV Year B.E./B.Tech./M.E.	Remarks				
1	THU							
2	FRI							
3	SAT							
4	SUN		Holiday					
5	MON		Holiday					
6	TUE							
7	WED							
8	THU							
9	FRI							
10	SAT							
11	SUN		Holiday					
12	MON		Holiday					
13	TUE							
14	WED							
15	THU							
16	FRI							
17	SAT							
18	SUN		Holiday					
19	MON		Holiday					
20	TUE							
21	WED							
22	THU							
23	FRI							
24	SAT							
25	SUN		Holiday					
26	MON		Ramzan - Holiday					
27	TUE							
28	WED	1	Classes Commence for Higher Semester					
29	THU	2						
30	FRI	3						
No. of W	orking d	ays: 3	Cumulative :	3				

JULY 2017								
Date	Day	No. of Working Days	II / III / IV Year B.E./B.Tech./M.E.	Remarks				
1	SAT	4						
2	SUN		Holiday					
3	MON	5	Saturday day order					
4	TUE	6						
5	WED	7						
6	THU	8						
7	FRI	9						
8	SAT	10	Founder's Day					
9	SUN		Holiday					
10	MON	11	Tuesday day order					
11	TUE	12						
12	WED	13						
13	THU	14						
14	FRI	15						
15	SAT		Holiday					
16	SUN		Holiday					
17	MON		Holiday					
18	TUE	16						
19	WED	17						
20	THU	18						
21	FRI	19						
22	SAT	20						
23	SUN		Holiday					
24	MON	21	Saturday day order					
25	TUE	22						
26	WED	23						
27	THU	24						
28	FRI	25						
29	SAT	26						
30	SUN		Holiday					
31	MON		Holiday					
No. of	Working	days :	23 Cumulative :	26				

Date Day	No. of Working Days 27 28 29	AUGUST 2017 II / III / IV Year B.E./B.Tech./M.E.	Remarks	
1 TUE 2 WED 3 THU 4 FRI 5 SAT 6 SUN 7 MON 8 TUE 9 WED 10 THU 11 FRI 12 SAT 13 SUN	Working Days 27 28 29	II / III / IV Year B.E./B.Tech./M.E.	Remarks	
2 WED 3 THU 4 FRI 5 SAT 6 SUN 7 MON 8 TUE 9 WED 10 THU 11 FRI 12 SAT 13 SUN	28 29		Remarks	
3 THU 4 FRI 5 SAT 6 SUN 7 MON 8 TUE 9 WED 10 THU 11 FRI 12 SAT 13 SUN	29			
4 FRI 5 SAT 6 SUN 7 MON 8 TUE 9 WED 10 THU 11 FRI 12 SAT 13 SUN				
5 SAT 6 SUN 7 MON 8 TUE 9 WED 10 THU 11 FRI 12 SAT 13 SUN	30	First Internal Assessment Subject - 1		
6 SUN 7 MON 8 TUE 9 WED 10 THU 11 FRI 12 SAT 13 SUN	20	First Internal Assessment Subject - 2		
7 MON 8 TUE 9 WED 10 THU 11 FRI 12 SAT 13 SUN	31	First Internal Assessment Subject - 3		
8 TUE 9 WED 10 THU 11 FRI 12 SAT 13 SUN		Holiday		
9 WED 10 THU 11 FRI 12 SAT 13 SUN	32	First Internal Assessment Subject - 4 (Wednesd	lay Day order)	
10 THU 11 FRI 12 SAT 13 SUN	33	First Internal Assessment Subject - 5		
11 FRI 12 SAT 13 SUN	34	First Internal Assessment Subject - 6		
12 SAT 13 SUN	35			
13 SUN	36			
	37			
14 MON		Holiday		
		Sri Krishna Jayanthi - Holiday		
15 TUE		Independence Day - Holiday		
16 WED	38			
17 THU	39			
18 FRI	40			
19 SAT	41			
20 SUN		Holiday		
21 MON	42	Friday Day order		
22 TUE	43			
23 WED	44			
24 THU	45			
25 FRI		Vinayaga Chathurthi - Holiday		
26 SAT	46			
27 SUN		Holiday		
28 MON	47	Saturday day order		
29 TUE				
30 WED	48			
31 THU	48 49			
No. of Working o	49 50			

	SEPTEMBER 2017						
Date	Day	No. of Working Days	II / III / IV Year B.E./B.Tech./M.E	Remarks			
1	FRI	51					
2	SAT		Bakrid - Holiday				
3	SUN		Holiday				
4	MON	52	Tuesday day order				
5	TUE	53					
6	WED	54					
7	THU	55	Second Internal Assessment Subject - 1				
8	FRI	56	Second Internal Assessment Subject - 2				
9	SAT	57	Second Internal Assessment Subject - 3				
10	SUN		Holiday				
11	MON	58	Second Internal Assessment Subject - 4(Thurs	day day order)			
12	TUE	59	Second Internal Assessment Subject - 5				
13	WED	60	Second Internal Assessment Subject - 6				
14	THU	61					
15	FRI	62					
16	SAT	63					
17	SUN		Holiday				
18	MON	64	Friday Day order				
19	TUE	65					
20	WED	66					
21	THU	67					
22	FRI	68					
23	SAT	69	Revision / Revision Test				
24	SUN		Holiday				
25	MON	70	Revision / Revision Test				
26	TUE	71	Revision / Revision Test				
27	WED	72	Revision / Revision Test				
28	THU	73	Revision / Revision Test				
29	FRI		Ayudha Pooja - Holiday				
30	SAT		Vijaya Dasami - Holiday				
No. of W	orking da	iys :	23 Cumulative	: 73			

ANNEXURE – B-I

Details about Academic Programmes

Under Graduate Programmes

S.NO	Departments
1.	Civil Engineering (B.E)
2.	Computer Science and Engineering (B.E)
3.	Electrical and Electronics Engineering (B.E)
4.	Electronics and Communication Engineering (B.E)
5.	Electronics and Instrumentation Engineering (B.E)
6.	Mechanical Engineering (B.E)
7.	Information Technology (B. Tech.)

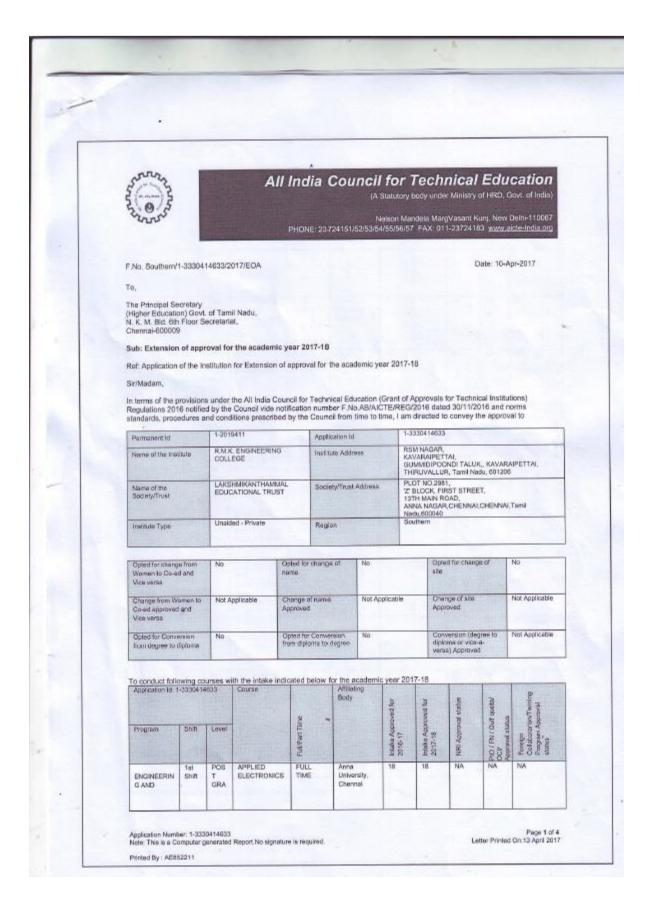
Post Graduate Programmes

S.NO	Departments
1.	Computer Science and Engineering (M.E)
2.	Applied Electronics (M.E)
3.	Power Electronics and Drives (M.E)

Ph.D. Programmes

The PhD programs are offered in the following Centers of Research approved by the Anna University, Chennai.

S.NO	Departments
1.	Computer Science and Engineering.
2.	Electrical and Electronics Engineering.
3.	Electronics and Communication Engineering.
4.	Information Technology.
5.	Physics.
6.	Chemistry.
7.	Mathematics.





All India Council for Technical Education

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

Nelson Mandela MargVasant Kurij, New Delhi-110057 PHONE 237241 51/52/53/54/55/56/57 FAX: 011-23724183 <u>www.aicie-bylia.org</u>

ECHNOLO		TE TE								
NGINEERIN 3 AND	fat Shift	T GRA	COMPUTER SCIENCE AND ENGINEERING	FULL	Anna University Chemiai	18	18	NA	NA	NA
ECHNOLO SY		TE						100	NA.	NA.
ENGINEERIN G AND TECHNOLO GY	1st Shift	POS T GRA DUA TE	POWER ELECTRONICS AND DRIVES	TIME	Anna University, Chennai	18	18	NA	100	
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	CIVIL ENGINEERING	FULL TIME	Anna University, Chernal	120	120	NA.	NA	NA.
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennal	120	120	NA	NA.	NA
ENGINEERIN G AND TECHNOLD GY	1st Shift	UND ER GRA DUA TE	ELECTRICAL AND ELECTRONICS ENGINEERING	TIME	Anna University Chennal	120	120	NA	NA	NA .
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	ELECTRONICS AND INSTRUMENTA TION ENGINEERING	FULL TIME	Anns University, Chennai	60	60	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	ELECTRONICS 8 COMMUNICATI ON ENGG	FULL TIME	Anna University, Chennal	180	180	NA	NA	NA .
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	INFORMATION TECHNOLOGY	FULL. TIME	Anna University, Chemial	60	60	NA	NA	NA NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	ENGINEERING	FULL TIME	Anna University, Chennal	125	120	NA	NA	NA

The above mentioned approval is subject to the condition that.

Application Number: 1-3330414633 Note: This is a Computer generated Report.No signature is required. Page 2 of 4 Letter Printed On: 13 April 2017

Printing by : Maddae 11



All India Council for Technical Education

(A Statutory body under Ministry of HRD, Goyt, of India

Nelson Mandela MargVasant Kuri, New Delhi-110087 PHONE: 23724-151/52/53/54/55/56/57 FAX: 011-23724183 <u>www.aidte-India.org</u>

R.M.K. ENGINEERING COLLEGE

shall follow and achieve 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 Chennal - 600 008, Tamil Nadu
- The Director Of Technical Education**, Tamil Nadu
- The Registrar**, Anna University, Chennal
- The Principal / Director, R.M.K. ENGINEERING COLLEGE RSM NAGAR, KAVARAIPETTAI, GUMMIDIPOONDI TALUK, KAVARAIPETTAI, THIRUVALLUR, Tamii Nadu, 601206
- The Secretary / Chairman,
 LAKSHMIKANTHAMMAL EDUCATIONAL TRUST
 PLOT NO. 2981,
 2 BLOCK, FIRST STREET,
 13TH MAIN ROAD,
 ANNA NAGAR,
 CHENNAI, CHENNAI,
 Tamil Nadu, 600040

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.

Dr. K.A. MOHAMED JUNAID, ME.Ph.D.,

R.M.K. ENGINEERING COLLEGE R.S.M. NAGAR, KAVARAIPETTAI-601 206

Page 3 of 4 ted Report No signature is required GUMMIDIPOONDI TALUK, TIRUVALLUR DIST-Printed On 13 April 2017

Printed By: AE852211

Application Number: 1-3330414633 Note: This is a Computer generated



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/CAJ/AU/2017-18/1117

Date: 15-05-2017

To

The Principal, R M K Engineering College, R.S.M. Nagar, Kavaraipettai, Gummidipoondi Taluk, Tiruvallur District - 601 206.

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 R M K Engineering College, R.S.M. Nagar, Kavaraipettai, Gummidipoondi Taluk, Tiruvallur District - 601 206.

Sl.	Degree	gree Course(s)		Sanctioned Intake 2016-17/2017-18		
No.	No.					
1				E. Civil Engineering 1		120
2	B.E.	Computer Science and Engineering	120	120		
3	B.E.	Electrical and Electronics Engineering	120	120		
4	B.E.	Electronics and Communication Engineering	180	180		
5	B.E.	Electronics and Instrumentation Engineering	60	60		
6	B.E.	Mechanical Engineering	120	120		
7	B.Tech.	Information Technology	60	60		
8	M.E.	Applied Electronics	18	18		
9	M.E.	Computer Science and Engineering	18	18		
10	M.E.	Power Electronics and Drives	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.

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.

Attiliation of the superior of

Yours sincerely,

REGISTRAR REGISTRAR ANNA UNIVERSITY CHENNAI-600 025

Copy to:

The Director of Technical Education, DOTE campus, Chennai - 600 025.

- The Regional Officer, Southern Regional Office, AICTE, 26, Haddows Road, Shastri Bhawan, Chennai 600 006.
- Master file.



CENTRE FOR RESEARCH

NNA UNIVERSITY CHENNAI - 600 025 ihane: +91.44-2235 736612235 0361 27 11

Descard

Fax +91-44-2220 1213
Email diresearch@annauniv.c

Date: 14.11.2017

Lr.No: 1113/IR/Maths/AR2

To

The Principal

R M K ENGINEERING COLLEGE

RSM NAGAR.

Kaveraipettai - 601 206. Thiruvallur Dist.

Sir/Madam,

Sub : Anna University - Research centre recognition - Department of MATHEMATICS - Orders - Issued.

I am by direction to inform that the Department of MATHEMATICS of your Institution has been recognized as a research centre with effect from 14,11,2017. The faculty members of this department can interact with Anna University for collaborative research for the purpose of pursuing Ph.D. / M.S. (By Research) programmes.

The recognized supervisors working in the above department may be permitted to guide the candidates to carryout Ph.D./M.S.(By Research) programme relevant to their field of specialization. Please refer "clause 7" of Ph.D./M.S. (By Research) Regulations.

The above recognition shall be renewed once in three years in compliance with the required norms for research centre as applicable.

In all future correspondence quote "4111315" for reference.

The next renewal application in the prescribed format available in our website: cfr.annauniv.edu along with the number of papers published in SCI journals during the recognized period shall be made during November 2020 (as per Common Renewal Session) with a renewal fee on fulfilling the norms:

1

DIRECTOR



CENTRE FOR RESEARCH

ANNA UNIVERSITY CHENNAI - 600 025



Fax : Email :

+91-44-2220 1213 : dirresearch@annauniv.edu dirrescoroh@gmoil.ouv

Date: 01.02.2017

Lr.No. 1113/IR/Physics/AR2

To The Principal R.M.K Engineering College, Kavarappettai, Thiruvalluvar - 601206 2 7 EB)2017

HOD SEAH

Sir/Madam,

Sub : Anna University - Research centre recognition - Department of Physics - Renewal - Orders - Issued.

I am to inform that the recognition of the Department of Physics of your Institution has been renewed up to December 2019 as per "Common Renewal Session" to do collaborative research programme with this University.

The recognized supervisors working in the above Department may be permitted to guide candidates to carry out Ph.D./M.S. (By Research) programme relevant to their field of specialization. Please refer "clause 7" of Ph.D./M.S. (By Research) Regulations.

The above recognition shall be renewed once in three years in compliance with the required norms for research centre including the availability of two faculty members with Ph. D. Degree in the broad area of research.

In all future correspondence quote "4111320" for reference.

The next renewal application in the prescribed format available in our website: <u>cfr.annauniv.edu</u> along with the number of papers published in SCI Journals during the recognized period shall be made during **December 2019** with a renewal fee.

Yours faithfully

DIRECTOR



ANNA UNIVERSITY CHENNAI - 600 025



Telephone +91-44-2235 7366/2235 036 Fax +91-44-2220 1213 Email dirresearch@annaurvv.edu

Date: 30.05.2017

Lr.No. 1113/IR/IT/AR2

To The Principal RMK Engineering College, RSM Nagar Kavaraipettai, Thiruvallur - 601206



Sir/Madam.

Sub : Anna University - Research centre recognition - Department of Information Technology - Renewal - Orders - Issued.

I am to inform that the recognition of the Department of Information Technology of your Institution has been renewed up to December 2019 as per "Common Renewal Session" to do collaborative research programme with this University.

The recognized supervisors working in the above Department may be permitted to guide candidates to carry out Ph.D./M.S. (By Research) programme relevant to their field of specialization. Please refer "clause 7" of Ph.D./M.S. (By Research) Regulations.

The above recognition shall be renewed once in three years in compliance with the required norms for research centre including the availability of two faculty members with Ph. D. Degree in the broad area of research.

In all future correspondence quote "4111313" for reference.

The next renewal application in the prescribed format available in our website: cfr.annaunix.edu along with the number of papers published in SC¹ Journals during the recognized period shall be made during **December 2019** with a renewal fee.

Yours faithfully,

DIRECTOR



ANNA UNIVERSITY CHENNAI - 600 025



+91-44-2235 7366/ +91-44-2220 1213 Telephone Email dirresearche dirresearche



Lr.No. 4111307/IR/ECE/AR2

The Principal RMK Engineering College, Kavaraipettai, Thiruvalliur-601206

Sir/Madam,



Sub: Anna University - Research centre recognition - Department of Electronics and Communication Engineering - Renewal - Orders - Issued.

I am to inform that the recognition of the Department of Electronics and Communication Engineering of your Institution has been renewed up to May 2020 as per "Common Renewal Session" to do collaborative research programme with this University.

The recognized supervisors working in the above Department may be permitted to guide candidates to carry out Ph.D./M.S. (By Research) programme relevant to their field of specialization. Please refer "clause 7" of Ph.D./M.S. (By Research) Regulations.

The above recognition shall be renewed once in three years in compliance with the required norms for research centre including the availability of two faculty members with Ph. D. Degree in the broad area of research.

In all future correspondence quote "4111307" for reference.

The next renewal application in the prescribed format available in our website: cfr.annauniv.edu along with the number of papers published in SCI Journals during the recognized period shall be made during May 2020 with a renewal fee.

Yours faithfully



ANNA UNIVERSITY CHENNAI - 600 025



Telephone: +91-44-2235 7366:2235 036

Fax: +91-44-2220 1213

Email: dirresearch@gnnauniv.edu
dirresearch@gnail.com

i mimmimmi

Lr.No: 1113/IR/CSE/AR2

To

The Principal

RMK ENGINEERING COLLEGE,

RSM Nagar Kavarapettai,

Gummidipoondi Pin-601206

Date: 25.07.2017

Hop /cst

R&D #12

Sir/Madam,

Sub : Anna University - Research centre recognition - Department of Computer Science and Engineering - Orders - Issued.

I am by direction to inform that the Department of Computer Science and Engineering of your Institution has been recognized as a research centre with effect from 01.07.2017. The faculty members of this department can interact with Anna University for collaborative research for the purpose of pursuing Ph.D. / M.S. (By Research) programmes.

The recognized supervisors working in the above department may be permitted to guide the candidates to carryout Ph.D./M.S.(By Research) programme relevant to their field of specialization. Please refer "clause 7" of Ph.D./M.S. (By Research) Regulations.

The above recognition shall be renewed once in three years in compliance with the required norms for research centre as applicable.

In all future correspondence quote "4111306" for reference.

The next renewal application in the prescribed format available in our website: cfr.annauniv.edu along with the number of papers published in SCI journals during the recognized period shall be made during June 2020 (as per Common Renewal Session) with a renewal fee on fulfilling the norms.

R.M.K. ENGINEERING COLLGE - AQAR - 2017-18



ANNA UNIVERSITY CHENNAI - 600 025



+91-44-2220 1213 Fax Email

Date: 25.07.2017

HODIEE

Lr.No: 1113/IR/EEE/AR2

The Principal R M K Engineering College, R.S.M. Nagar Kavarapettai- 601206, Gummidipoondi- Thiruvallur Dist.

Sir/Madam,

Sub : Anna University - Research centre recognition - Department of Electrical and Electronics Engineeering - Orders - Issued.

I am by direction to inform that the Department of Electrical and Electronics Engineeering of your Institution has been recognized as a research centre with effect from 01.07.2017. The faculty members of this department can interact with Anna University for collaborative research for the purpose of pursuing Ph.D. / M.S. (By Research) programmes.

The recognized supervisors working in the above department may be permitted to guide the candidates to carryout Ph.D./M.S.(By Research) programme relevant to their field of specialization. Please refer "clause 7" of Ph.D./M.S. (By Research) Regulations.

The above recognition shall be renewed once in three years in compliance with the required norms for research centre as applicable.

In all future correspondence quote "4111308" for reference.

The next renewal application in the prescribed format available in our website: cfr.annauniv.edu along with the number of papers published in SCI journals during the recognized period shall be made during June 2020 (as per Common Renewal Session) with a renewal fee on fulfilling the norms.

Yours faithfully



ANNA UNIVERSITY CHENNAI - 600 025



Fax Email

+91-44-2239 736612239 036 +91-44-2220 1213 dirresearch@annauniv.edu

Date: 01.12,2017

Lr.No. 1113/IR/Chem/AR2

To
The Principal
RMK ENGINEERING COLLEGE,
RSM Nagar Kavaraipettai Gummidipoondi Taluk,

Tiruvallur District. 601 206

- 4 DEC 2017

Roseanon file HOD) Sollo

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Sir/Madam,

Sub : Anna University - Research centre recognition - Department of DEPARTMENT OF CHEMISTRY - Renewal - Orders - Issued.

I am to inform that the recognition of the Department of DEPARTMENT OF CHEMISTRY of your Institution has been renewed up to July 2020 as per "Common Renewal Session" to do collaborative research programme with this University.

The recognized supervisors working in the above Department may be permitted to guide candidates to carry out Ph.D./M.S. (By Research) programme relevant to their field of specialization. Please refer "clause 7" of Ph.D./M.S. (By Research) Regulations.

The above recognition shall be renewed once in three years in compliance with the required norms for research centre including the availability of two faculty members with Ph. D. Degree in the broad area of research.

In all future correspondence quote "4111304" for reference.

The next renewal application in the prescribed format available in our website: cfr.annauniv.edu along with the number of papers published in SCI Journals during the recognized period shall be made during July 2020 with a renewal fee.

Yours faithfully

DIRECTOR



ANNA UNIVERSITY CHENNAL - 600 025



EL 11 E 11 EL II II II II II II II II II E

Date

Date: 25.07.2015

Lr. No: SUPR/2617/08

To
Dr. Binu Sukums:
Professor
Department of Civil Engineering
R.M.K. Engineering College,
Kavaraipettai, Thiruvaltur - 601206

Sir/Madam,

Sub : Ph.D./M.S. (By Research) Programme - Supervisor Recognition - Orders - Issued.

Ref : Your application for Supervisor Recognition.

I am by direction to inform that you are recognized as a Supervisor (Ref.No: 2610009) for guiding Ph.D. and M.S. (By Research) scholars of this University under the faculty of Civil Engineering.

Area of Specialization: "Concrete Technology, Composite Structures, Development of Alternate Materials"

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D./M.S. (By Research) regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor.

I request you to adhere strictly the regulations (available in https://cfr.annauniv.edu/research/instructions.php) when you start guiding scholars.

In all future correspondence quote 2610009 for reference

DIRECTOR

Copy to: Head of the Department / Institution

Off: 22357077 / 76 Fax / Dir.: 22352272

CENTRE FOR ACADEMIC COURSES ANNA UNIVERSITY

CHENNA! - 600 025

Dr. T. V. GEETHA DIRECTOR

Lr. No. 4440/AU/SSC/CRCS/Mach/2016

18.10.2016

TO Dr. S. Sambath Professor Department of Mechanical Engineering R.M.K. Engineering College Tiruvallur District - 601 206.

OIL / WIBUBITI.

Sub: Anna University - Syllabus Sub Committee - Revision of Curriculum and Syllabi under R-2017 for the Constituent Colleges and Affiliated Institutions Faculty of Mechanical Engineering – Appointment as Member – Information – Reg.

I have the pleasure of informing you that the Registrar, Anna University has appointed you as a Member of the Syllabus Sub Committee for framing the Curricula and Syllabi for M.E. Computer Aided Design, M.E. Engineering Design, M.E. CAD/CAM and M.E. Product Design and Development to be offered in PG degree Programmes under R-2017 by the Constituent Colleges and Affiliated Institutions of Anna University, Chennai under the Faculty of Mechanical Engineering in accordance with the Choice Based Credit System

I am to inform you that the Syllabus Sub Committee Meeting of the Faculty of Mechanical Engineering will be held on 19.11.2016 (Saturday) at 10.00 AM at Academic Council Hall, Administrative Building, Anna University, Chennai. The Agenda will be:

 Full Curriculum & Syllabi (all semesters & electives) of PG programmes. Salient points of the general guidelines as per AICTE norms is enclosed. The AICTE guidelines are available at www.aicte-india.org/modelsyllabus.php - for reference.

Please come prepared with your inputs, so that we can prepare quality Curriculum & Syllabi. The main discussions will be held on the day of the Syllabus Sub Committee meeting. However, the finalization will be through interaction using group e-mails.

Thank you in advance for your co-operation.

I am to request you to kindly accept the offer and send your acceptance letter on or before 21.10.2016, either by post or by E-mail (mechssc@gmail.com).

Yours faithfully

DIRECT

All the members except student members, will be paid a sitting fee of Rs. 2,000/-.
For all members other than the faculty of Anna University, Chennai, the travelling allowance will be paid as per the following norms

Local members from the Chennai city will be paid Rs.500/-.

Members from cutside Chennal city within Tamil Nadu will be paid at the rate of 3 tier AC fare for travelling in the shortest route 1 & 2/3 (Both ways) (if tickel not produced) (or). Actual Train Fare and Conveyance (ticket should be produced).

produced). Members from outside Tamil Nadu State are eligible for Airfare (Economy Class) both ways plus Rs. 1,2004 towards Local conveyence charges, to and fro (Residence — Airport — Anna University).

For members from outside Chennai City, travality can is permitted upto a maximum of 300 km both ways and will be paid Rs. 84 per km subject to the production of the official bill from the travel agency (with TIN Registration number).

1. Name in full (Mr./Mrs./Miss.)

R. M. K. ENGINEERING COLLEGE

ISO 9001:2008 Certified Institution & Accredited by NAAC with A+ Grade)



R. S. M. Nagar, Kavaraipettai – 601 206

ALUMNI ENROLLMENT/DATA FORM

2. Date o	of Birth	:						
3. Degree	e(s) obtained							
i) Year	r of Passing/ Reg. No	:						
ii) Deg	ree/Branch/Specialization	: B.E / B	.Tech CI	E/CSE/	ECE / EEE / EIE / IT /			
		Mech /	M.E AE	/ CSE / 1	PED / VLSI & M.B.A			
4. Emplo	yment Details	: On cam	pus / Off	campus				
S.No.	Name of the Organization	Designation	Work	period To	Total years of Experience			
5. Contac	et Number: Phone:		Mobile:					
6. E mail	Id:							
7. Reside	ential Address:			PIN:				
8. Distino	Distinctions achieved :							
(Awards	/ Patents / Others)							

9. Details of Higher Studies:	
Examinations Attended:	GRE / CAT / GATE / TOEFL / NON – GATE
Score Obtained:	
Degree :	
Specialization:	
Name of the University:	
10. Personal Interest/Hobby:	
11. Extra curricular activities:	
12. Any other information:	

PLEASE ANSWER THE FOLLOWING QUESTIONS IN REFERENCE TO YOUR UNDERGRADUATE EDUCATION

1. In what occupational area do you work?										
□Government □	Education	Non-profit Organization In	ndustry							
2.Tick the following statement	ents which apply	y to your employment.								
☐My current employ	☐My current employment offers prospects for further advancement.									
☐I supervise two or r	nore people.									
☐My educational exp	periences at RM	K Engineering College are we	ell utilized in my employment.							
☐I have policy-making	ng responsibility	7.								
☐My employment fit	s my long range	e goals.								
☐My skills acquired	in the college ar	e well utilized in my employr	ment.							
□During college I ha	d an internship,	inplant training.								
3. Using the following scale knowledge needed toper for	_		pelow in acquiring the skills and							
a. Professional core subjects										
☐ Extremely helpful	□ Very help	oful Somewhat helpful	☐ Not at all helpful							
b. General Science and Engi	neering Mather	natics								
☐ Extremely helpful	☐ Very helpf	ful ☐ Somewhat helpful	☐ Not at all helpful							
c. Elective subjects										
☐ Extremely helpful	☐ Very helpf	ful	☐ Not at all helpful							
d. Practical experience										
☐ Extremely helpful	☐ Very helpf	ful □ Somewhat helpful	☐ Not at all helpful							
3 1	7 1	•								
e. Project / Mini project										
☐ Extremely helpful	☐ Very helpf	ul Somewhat helpful	☐ Not at all helpful							
f. Co-curricular activities										
☐ Extremely helpful	☐ Very helpfu	ıl □ Somewhat helpful	☐ Not at all helpful							
g. Extracurricular activities										
□Extremely helpful	☐ Very helpfu	ıl	☐ Not at all helpful							

h. Training program at RMK	EC		
☐ Extremely helpful	☐ Very helpful ☐	Somewhat helpful	Not at all helpful
4. For each of the items below the following scale:	, rate your undergradu	ate degree program at RMK	Engineering College using
a. Relevance to career goals			
☐ Extremely satisfie	ed □ Very satisfied	☐Somewhat satisfied	☐ Not at all satisfied
b. Academic advising and gu	idance		
Extremely satisfied	☐ Very satisfied	☐ Somewhat satisfied	☐ Not at all satisfied
c. Inspiration and encouragem	nent		
☐ Extremely satisfied	□Very satisfied	☐Somewhat satisfied	□Not at all satisfied
d. Level of rigor and scholarsl	nip		
☐ Extremely satisfied	☐ Very satisfied	☐ Somewhat satisfied	☐ Not at all satisfied
e. Interaction with faculty			
☐ Extremely satisfied	☐ Very satisfied	☐ Somewhat satisfied	☐ Not at all satisfied
f. Flexibility/adaptability to st	udent needs		
☐ Extremely satisfied	☐ Very satisfied	☐ Somewhat satisfied	☐ Not at all satisfied
g. Quality of instruction			
☐ Extremely satisfied	☐ Very satisfied	☐ Somewhat satisfied	☐ Not at all satisfied
h. Interaction with students			
☐ Extremely satisfied	☐ Very satisfied	☐ Somewhat satisfied	☐ Not at all satisfied
i. Career Services			
☐ Extremely satisfied	☐ Very satisfied	☐ Somewhat satisfied	☐ Not at all satisfied
j. Overall, how satisfactory wa	as the education you re	eceived at RMK	
☐ Extremely satisfied	☐ Very satisfied	☐ Somewhat satisfied	☐ Not at all satisfied
5. As a student in RMK Engir by indicating the number from			
4=Extremely satisfactory	3=Ver	y satisfactory	
2=Somewhat satisfactory	1= Not at all satisfacto	orv	

Curriculum Advising/Services	Scale	Career Advising/Services	Scale
Faculty Advising/Counselling	4321	Career advising	4321
Faculty availability and responsiveness to students outside the classroom	4321	Training and placement service	4321
Assistance from staff in the laboratories	4321	Opportunities for self- assessment / improvement	4321
Integration of computers into the courses	4321	Higher education awareness	4321

6. Please assess each of the subject area with the academic preparation you received in that area as a student of RMKEC using the following scale:

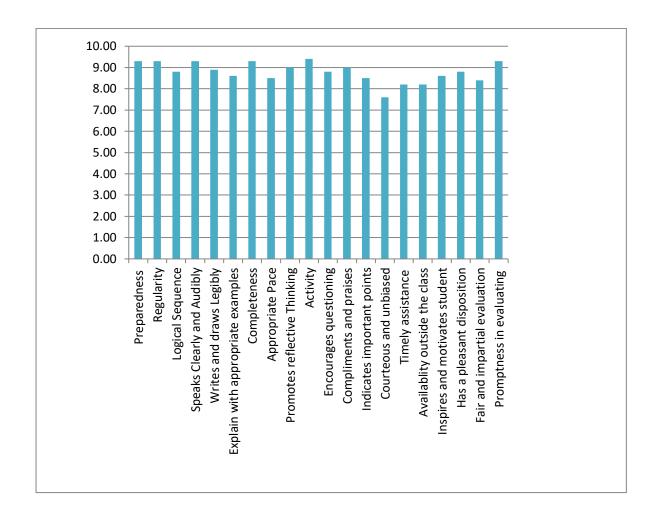
4 = Strongly Agree 3 = Agree 2 = Neutral 1 = Disagree

RMKEC produces engineers who has the	4	3	2	1
ability to apply knowledge of mathematics and science to solve engineering problems				
ability to specify, design and develop software/hardware products and applications to meet the requirements of the industry				
ability to acquire knowledge in cutting-edge technologies, multidisciplinary approach and innovations necessary to solve real world problems.				
ability to excel in profession through effective communication, teamwork, leadership skills and ethical behavior				
ability to utilize life-long learning skills to attain a successful career				

Thank you for taking the time to complete this questionnaire.

If you wish to make further comments about RMK Engineering College, please use the space below or attach an additional sheet.

Date:	Signature



ANNEXURE – B-II

R.M.K. ENGINEERING COLLEGE

R.S.M. Nagar, Kavaraipettai-601 206.

List of Faculty Members : 2017-18

R. No.	S. N	E. No.	Name	Designation	Whether 1st Yr Classes taken (Y/N)	Qualification	DOJ
		T0308	Dr. Mohamed Junaid K A	Principal		M.E.,Ph.D.	01-06-2005
		T0056	Dr. Chandrasekaran K	Dean		M.Tech.,Ph.D.	01-11-1998
Civil E	nginee		T	1	T		
1.	1.	T0579	Dr. Binu Sukumar	Professor & Head		M.Tech.,Ph.D.	05-02-2009
2.	2.	T0689	Dr. Palanichamy M S	Emeritus Professor		B.E.,M.Tech.,Ph.D.	01-02-2012
3.	3.	T0849	Dr. Usha Rani M	Professor		M.E.,Ph.D.	02.06.2014
4.	4.	T0808	Dr. Sudhakar S	Professor		M.E.,Ph.D.	04-10-2013
5.	5.	T0731	Dr. Murali Krishna T	Assoc. Professor (Gr II)		B.Tech.,M.E.,Ph.D.	06-06-2012
6.	6.	T0474	Ms. Hemamathi A	Asst. Professor		M.E.	14-02-2007
7.	7.	T0742	Ms. Eswary Devi T	Asst. Professor		M.E.	22-06-2012
8.	8.	T0732	Ms. Seena Simon	Asst. Professor		B.Tech.,M.E.	15-06-2012
9.	9.	T0704	Ms. Kokila S	Asst. Professor		M.E.	18-06-2012
10.	10.	T0701	Mr. Joyson Silva P	Asst. Professor		B.E.,M.Tech.	20-06-2012
11.	11.	T0789	Ms. Martina Jenifer J	Asst. Professor		B.E.,M.Tech.	18-06-2013
12.	12.	T0796	Mr. Ramshankar P Ms. Rekha P	Asst. Professor		M.E.	26-06-2013
13.	13.	T0809 T0819		Asst. Professor		M.E.	13-12-2013 13-05-2014
14. 15.	14. 15.	T0819	Ms. Durga G	Asst. Professor Asst. Professor		M.E.	03-06-2014
15. 16.	16.	T0871	Mr. Arun Prathap R Ms. Sharanya Balki	Asst. Professor		M.E.	04-06-2015
17.	17.	T0876	Ms. Jenishtalouis J	Asst. Professor		M.E.	12-06-2015
18.	18.	T0877	Ms. Sherin V	Asst. Professor		M.E.	15-06-2015
19.	19.	T0884	Ms. Vinupreethi J	Asst. Professor		M.E.	23-07-2015
20.	20.	T0886	Ms. Aishwarya R	Asst. Professor		M.E.	23-05-2016
21.	21.	T0942	Dr. Siva M	Asst. Professor		M.E.,Ph.D.	22-06-2017
22.	22.	T0898	Mr. Mozafar Hamid	Adjunct Faculty		M.E.,M.B.A.	16-07-2016
23.	23.	T0911	Mr. Dhamodharan A	Adjunct Faculty		B.Sc.,M.S.,(Ph.D.)	14-10-2016
24.	24.	T0918	Mr. Siyakumar G	Adjunct Faculty		M.E.	15-10-2016
25.	25.	T0943	Mr. Kannan R	Adjunct Faculty		M.E.	23-08-2017
Compu	ıter Sci	ience & En	gineering	, ,			
26.	1.	T0260	Dr. Sethukarasi T	Professor & Head Incharge		M.E.,Ph.D.	10-12-2003
27.	2.	T0494	Dr. Sandra Johnson	Professor		M.E.,Ph.D.	27-06-2007
28.	3.	T0184	Dr. Selvi S	Assoc. Professor (Gr II)		M.E.,Ph.D.	15-11-2001
29.	4.	T0316	Dr. Geetha C	Assoc. Professor (Gr II)		M.E.,Ph.D.	22-06-2005
30.	5.	T0123	Ms. Kavitha P	Assoc. Professor (Gr II)		M.E.,(Ph.D.)	15-09-2000
31.	6.	T0495	Ms. Thilagavathy A	Assoc. Professor (Gr II)		M.E.,(Ph.D.)	27-06-2007
32.	7.	T0229	Mr. Vijaya Kumar S	Assoc. Professor (Gr II)		M.E.	06-01-2003
33.	8.	T0507	Dr. Jaison B	Assoc. Professor (Gr I)		M.E.,M.Phil.,Ph.D.	27-06-2007
34.	9.	T0584	Dr. Bhavani R	Assoc. Professor (Gr I)		M.E.,Ph.D.	04-05-2009
35.	10.	T0264	Ms. Lalitha S D	Asst. Professor (Gr II)		B.E.,M.Tech.,(Ph.D.)	21-06-2004
36.	11.	T0266	Ms. Raji L	Asst. Professor (Gr II)		M.E.	21-06-2004

37.	12.	T0357	Ms. Radhika S	Asst. Professor (Gr	M.E.,(Ph.D.)	26-10-2005
				II) Asst. Professor (Gr		
38.	13.	T0502	Dr. Anitha K	II)	M.E.,Ph.D.	27-06-2007
39.	14.	T0429	Ms. Dhanalakshmi R	Asst. Professor (Gr II)	M.E.,(Ph.D.)	29-06-2006
40.	15.	T0562	Mr. Ramesh T	Asst. Professor (Gr II)	M.E.,(Ph.D.)	22-11-2008
41.	16.	T0858	Dr. Jegadeesan R	Asst. Professor (Gr II)	M.E.,Ph.D.	02-07-2014
42.	17.	T0725	Ms. Banupriya N	Asst. Professor	B.Tech.,M.E.	02-06-2012
43.	18.	T0412	Ms. Srijayanthi S	Asst. Professor	M.E.	29-06-2006
44.	19.	T0867	Ms. Jasmine Gilda A	Asst. Professor	M.E.	01-06-2015
45.	20.	T0940	Ms. Anusha Sanampudi	Asst. Professor	M.E.,(Ph.D.)	01-06-2017
46.	21.	T0509	Mr. Arthanareeswaran A	Asst. Professor	M.E.,(Systems Engg.)	01-02-2011
47.	22.	T0763	Mr. Kirubakaran D	Asst. Professor	M.C.A.,M.E.	09-01-2013
48.	23.	T0764	Mr. Shanmugam N	Asst. Professor	B.Tech.,M.E.	09-01-2013
49.	24.	T0944	Mr. K. Vishnu Vardhan	Adjunct Faculty	M.E.	06-06-2017
50.	25.	T0945	Ms. N. Srividya	Adjunct Faculty	M.E.	25.05.2017
51.	26.	T0946	Mr. B. Balakrishnan	Adjunct Faculty	M.E.	06-06-2017
52.	27.	T0948	Mr. Samuel Dharmalingam	Adjunct Faculty	M.E.	07-07-2017
53.	28.	T9001	Mr. Karthikeyan S P	Visiting Faculty	M.E.	
54.	29.	T9002	Mr. Ramesh R	Visiting Faculty	M.E.	
55.	30.	T9003	Ms. Malar L N	Visiting Faculty	M.E.	
			e & Engineering	v islang i acuty	13121	
56.	31.	T0626	Dr. Manivannan K	Professor	M.Sc.,M.Phil.,M.Tech.,Ph.D.	08-09-2010
57.	32.	T0870	Mr. Vidhya Prakash R	Asst. Professor	M.E.	03-06-2015
58.	33.	T0947	Mr. Haseeb Jamal	Adjunct Faculty	M.E.	06-06-2017
Electri	cal & F	Electronics	Engineering	J J		
59.	1.	T0053	Dr. Geetha Ramadas	Professor & Head	M.E.,Ph.D.	05-10-1998
60.	2.	T0596	Dr. Chellamuthu C	Emeritus Professor	B.E.,M.Sc.(Engg.),Ph.D.	03-07-2009
61.	3.	T0779	Dr. Jothi Swaroopan N M	Professor	M.E.,Ph.D.	01-06-2013
62.	4.	T0374	Dr. Magesh T	Professor	M.E.,Ph.D.	19-01-2006
63.	5.	T0145	Dr. Anita S	Assoc. Professor (Gr II)	B.E.,M.M.M.,Ph.D.	09-12-2000
64.	6.	T0142	Ms. Kavitha M S	Assoc. Professor (Gr II)	M.E.,(Ph.D.)	06-12-2000
65.	7.	T0463	Ms. Chandla Ellis	Assoc. Professor (Gr I)	M.E.,(Ph.D.)	18-01-2007
66.	8.	T0722	Mr. Ganesan M	Assoc. Professor (Gr I)	M.E.	13-06-2012
67.	9.	T0446	Ms. Alhamdhu Nisha A	Asst. Professor (Gr II)	M.E.,(Ph.D.)	08-09-2006
68.	10.	T0465	Ms. Annie Isabella L	Asst. Professor (Gr II)	M.E.,(Ph.D.)	18-01-2007
69.	11.	T0642	Mr. Balamurugan S	Asst. Professor (Gr II)	M.E.	01-06-2011
70.	12.	T0724	Mr. Anand P	Asst. Professor (Gr II)	M.E.,(Ph.D.)	13-06-2012
71.	13.	T0715	Ms. Pavithra R	Asst. Professor	M.E.	19-06-2012
72.	14.	T0774	Ms. Perarasi M	Asst. Professor	M.E.,(Ph.D.)	29-05-2013
73.	15.	T0777	Ms. Karthika V	Asst. Professor	M.E.	06-06-2013
74.	16.	T0785	Mr. Fayaz Ahamed A	Asst. Professor	M.E.,(Ph.D.)	13-06-2013
75.	17.	T0821	Mr. Thiyagesan M	Asst. Professor	M.E.	13-05-2014
76.	18.	T0828	Ms. Sabari L Umamaheswari	Asst. Professor	M.E.	13-05-2014
77.	19.	T0830	Mr. Balavignesh S	Asst. Professor	M.E.	14-05-2014
78.	20.	T0768	Ms. Kirthiga S	Asst. Professor	M.E.,(Ph.D.)	22-05-2013
79.	21.	T0868	Ms. Vimala M	Asst. Professor	M.E.,(Ph.D.)	01-06-2015
80.	22.	T0949	Mr. Mohan S K	Adjunct Faculty	B.E.,M.S.,M.B.A.	28-04-2017
81.	23.	T0950	Mr. Krishna Kumar V	Adjunct Faculty	M.E.	06-06-2017

82.	24.	T0951	Mr. Prabhu Dayalan	Adjunct Faculty	B.E.	06-06-2017
83.	25.	T0952	Mr. Salaivan Muthu	Adjunct Faculty	B.E.	13-06-2017
			Sampath	,		
84. 85.	26. 27.	T0953 T9004	Mr. Srinivasan G Mr. Sai Kiran L	Adjunct Faculty	M.E. B.E.	20-06-2017
86.	28.	T9004	Mr. Balaguru S	Visiting Faculty	B.E.	
87.	28.	T9005	Mr. Balaji K	Visiting Faculty Visiting Faculty	B.E.	
		Electronics		Visiting Faculty	D.E.	
88.	30.	T0016	Dr. Sukhi Y	Professor	M.E.,Ph.D.	19-05-1997
						14-05-2014
89.	31.	T0840	Ms. Jenifer A	Asst. Professor	M.E.	
Electro	onics &	Communi	cation Engineering			
90.	1.	T0479	Dr. Siva Kumar R	Professor & Head	M.E.,Ph.D.	06-06-2007
91.	2.	T0607	Dr. Elwin Chandra Monie	Professor	M.E.,Ph.D.	18-03-2010
92.	3.	T0014	Dr. Blesslin Sheeba T	Professor	M.E.,Ph.D.	12-05-1997
93.	4.	T0887	Dr. Padmavathy T V	Professor	M.C.A.,M.E.,Ph.D.	01-06-2016
94.	5.	T0036	Dr. Suresh T	Professor	M.E.,Ph.D.	18-02-1998
95.	6.	T0595	Prof. Somasundaram M	Professor	B.E.,M.Tech.,(Ph.D.)	02-07-2009
96.	7.	T0109	Mr. Joshua Kumaresan S	Assoc. Professor (Gr II)	M.E.,(Ph.D.)	15-05-2000
97.	8.	T0164	Ms. Jothi D	Assoc. Professor (Gr II)	M.E.,(Ph.D.)	07-06-2001
98.	9.	T0201	Ms. Latha P	Assoc. Professor (Gr II)	M.E.,(Ph.D.)	14-06-2002
99.	10.	T0498	Mr. Joel T	Assoc. Professor (Gr II)	M.E.,(Ph.D.)	27-06-2007
100.	11.	T0630	Ms. Sarala B	Assoc. Professor (Gr I)	B.E.,M.Tech.,(Ph.D.)	01-06-2011
101.	12.	T0773	Ms. Sumitra V	Assoc. Professor (Gr I)	M.E.,(Ph.D.)	29-05-2013
102.	13.	T0360	Mr. Babu G	Assoc. Professor (Gr I)	M.E.,(Ph.D.)	10-11-2005
103.	14.	T0405	Ms. Sumathy K	Asst. Professor (Gr II)	M.E.	29-06-2006
104.	15.	T0496	Ms. Jeya Poornima B	Asst. Professor (Gr II)	M.E.	27-06-2007
105.	16.	T0461	Mr. Babuji R	Asst. Professor	M.E.	06-01-2007
106.	17.	T0638	Mr. Sivakumar A	Asst. Professor	M.E.	20-05-2011
107.	18.	T0661	Ms. Jeevitha K	Asst. Professor	M.E.	16-07-2011
108.	19.	T0686	Ms. Jasmine Hephzipah J	Asst. Professor	M.E.	28-12-2011
109.	20.	T0729	Ms. Rhevathi M	Asst. Professor	B.E.,M.Tech.	14-06-2012
110.	21.	T0758	Mr. Sathya Vignesh R	Asst. Professor	M.E.	01-12-2012
111. 112.	22. 23.	T0782	Mr. Gunasekhar P	Asst. Professor	B.E.,M.Tech.	01-06-2013
112.	24.	T0807 T0817	Ms. Sanjana S Mr. Daniel Nareshkumar M	Asst. Professor Asst. Professor	M.E.	02-09-2013 05-05-2014
113.	25.	T0820	Ms. Joselin Jeya Sheela J	Asst. Professor	M.E.,(Ph.D.)	13-05-2014
115.	26.	T0824	Mr. Darwin Nesakumar A	Asst. Professor	M.E.,(111.D.)	13-05-2014
116.	27.	T0825	Mr. Jagadeesh Babu S	Asst. Professor	M.E.	13-05-2014
117.	28.	T0875	Mr. Venkatesh P	Asst. Professor	M.E.	08-06-2015
118.	29.	T0781	Ms. Aswini M	Asst. Professor	M.E.	04-06-2013
119.	30.	T0872	Mr. Bhargava D S	Asst. Professor	M.E.	04-06-2015
120.	31.	T0936	Dr. Ebenezer D	Adjunct Faculty	M.E.,Ph.D.	01-02-2017
121.	32.	T0899	Mr. Narendra Babu M	Adjunct Faculty	M.E.	02-02-2017
122.	33.	T0954	Mr. Vijay Thangughal	Adjunct Faculty	M.E.	21-04-2017
123.	34.	T0955	Mr. Venkatesh M	Adjunct Faculty	M.E.	04-05-2017
124.	35.	T0956	Ms. Muthulakshmi	Adjunct Faculty	M.E.	10-05-2017
125.	36.	T0957	Ms. Annie Mariya S	Adjunct Faculty	M.E.	02-06-2017
126.	37.	T0958	Mr. Saravana Pandian S A	Adjunct Faculty	M.E.	02-06-2017
127.	38.	T9007	Mr. Ratnakar Rao	Visiting Faculty	M.E.	
128.	39.	T9008	Mr. Jayakumar J	Visiting Faculty	M.E.	

M.E.,	Applied	l Electroni	cs			
129.	40.	T0308	Dr. Mohamed Junaid K A	Professor & Principal	M.E.,Ph.D.	01-06-2005
130.	41.	T0842	Mr. Shyam M	Asst. Professor	M.E.	14-05-2014
131.	42.	T0866	Ms. Rosaline S	Asst. Professor	M.E.	01-06-2015
			ntation Engineering	<u> </u>		
132.	1.	T0923	Dr. Gnanasekaran T	Professor & Head	M.S.,M.E.,Ph.D.	15-12-2016
133.	2.	T0173	Dr. Vijayalakshmi S	Professor (M)	M.E.,Ph.D.	12-10-2001
134.	3.	T0455	Dr. Kavitha P	Assoc. Professor (Gr II)	M.E.,Ph.D.	15-12-2006
135.	4.	T0279	Mr. Vijay Anand K	Assoc. Professor (Gr I)	B.E.,M.S.(U.K.)	25-06-2004
136.	5.	T0681	Mr. Marimuthu G	Asst. Professor	M.E.,(Ph.D.)	19-10-2011
137.	6.	T0682	Mr. Bharath Singh J	Asst. Professor	M.E.	08-11-2011
138.	7.	T0767	Ms. Chairma Lakshmi K R	Asst. Professor	M.E.	22-05-2013
139.	8.	T0814	Ms. Kayalvizhi M	Asst. Professor	M.E.	02-05-2014
140.	9.	T0863	Ms. Praveena B	Asst. Professor	M.E.	16-05-2015
141.	10.	T0873	Ms. Preethy V	Asst. Professor	M.E.	04-06-2015
142.	11.	T0888	Mr. Kesavan E	Asst. Professor	B.E.,M.Tech.	01-07-2016
143.	12.	T0880	Ms. Subasri C K	Asst. Professor	B.E.,M.Tech.	15-06-2015
144.	13.	T0712	Ms. Kowsalya P	Asst. Professor	M.E.	14-06-2012
145.	14.	T0959	Ms. Tina Reddy	Adjunct Faculty	M.E.	01-08-2017
146.	15.	T0960	Mr. Vijaya Kumar V	Adjunct Faculty	M.E.	09-09-2017
147.	16.	T9009	Mr. Vishnuvardhan J	Visiting Professor	M.E.	
148.	17.	T9010	Mr. Shantha Kumar G S	Visiting Professor	M.E.	
149.	18.	T9011	Mr. Balaji M P	Visiting Professor	M.E.	
Mecha	nical E	ngineering	5			
150.	1.	T0685	Dr. Senthil Kumar K R	Professor & Head	M.E.,Ph.D.	14-12-2011
151.	2.	T0056	Dr. Chandrasekaran K	Emeritus Professor	M.Tech.,Ph.D.	01-11-1998
152.	3.	T0632	Dr. Sathikh S	Emeritus Professor	M.E.,Ph.D.	01-05-2009
153.	4.	T0691	Dr. Sambath S	Professor	M.E.,Ph.D.	20-04-2012
154.	5.	T0416	Dr. Kadirvel A	Professor	A.M.I.E.,M.E.,Ph.D.	29-06-2006
155.	6.	T0370	Dr. Suresh Kumar R	Assoc. Professor (Gr II)	M.E.,Ph.D.	09-01-2006
156.	7.	T0574	Mr. Jayabalan C	Assoc. Professor (Gr I)	B.Tech.,M.E.,(Ph.D.)	11-12-2008
157.	8.	T0311	Mr. Mahendran G	Assoc. Professor (Gr	M.E.,(Ph.D.)	22-06-2005
158.	9.	T0368	Mr. Mudhu Krishnan M	Assoc. Professor (Gr I) Asst. Professor (Gr	M.E.,(Ph.D.)	16-12-2005
159.	10.	T0639	Mr. Sekar S D	II)	M.E.,(Ph.D.)	27-05-2011
160.	11.	T0693	Mr. Duraimurugan P	Asst. Professor (Gr II) Asst. Professor (Gr	M.E.	22-05-2012
161.	12.	T0592	Mr. Mohanraj N	II) Asst. Professor (Gr	M.E.,(Ph.D.)	24-06-2009
162.	13.	T0719	Mr. Sankarlal R L	II)	M.E.,(Ph.D.)	18-06-2012
163.	14.	T0559	Dr. Sivakumar V	Asst. Professor	M.E.,Ph.D.	13-11-2008
164.	15.	T0621	Mr. Charles Raj V	Asst. Professor	M.E.	02-07-2010
165.	16.	T0647	Mr. Kaliraj G	Asst. Professor	M.E.	01-06-2011
166. 167.	17. 18.	T0720 T0744	Mr. Poornakumar M Mr. Chiranjeevulu P	Asst. Professor Asst. Professor	M.E.	18-06-2012 27-06-2012
168.	19.	T0752	Mr. Muralidharan K	Asst. Professor	M.E.,(Ph.D.)	01-08-2012
169.	20.	T0753	Mr. Kalaiselvam V	Asst. Professor	M.E.,(PII.D.)	16-08-2012
170.	20.	T0775	Mr. Sengottaiyan K	Asst. Professor	M.E.,(Ph.D.)	31-05-2013
170.	22.	T0776	Mr. Rajesh S	Asst. Professor	M.E.,(I II.D.)	03-06-2013
172.	23.	T0939	Mr. Neelakandan M	Adjunct Faculty	M.E.	15-02-2017
173.	24.	T0961	Dr. Balakrishnan	Adjunct Faculty	M.E.,Ph.D.	22-04-2017
174.	25.	T0962	Mr. Sivakumar D	Adjunct Faculty	B.E.	27-05-2017
175.	26.	T0963	Mr. Krishna Kumar S	Adjunct Faculty	M.E.	27-03-2017
115.	20.	10703	1721 - IXI ISHIIA IXUIIIAI B	2 regulier 1 actives	171.1.	21-01-2011

176.	27.	T1012	Mr. Krishnan R S	Visiting Professor	M.E.	
177.	28.	T1013	Mr. Sivakumar T K	Visiting Professor	M.E.	
178.	29.	T1014	Mr. Prakash S	Visiting Professor	M.E.	
Inform	ation T	Technology	,			
179.	1.	T0209	Dr. Vijaya K	Professor & Head	M.E.,Ph.D.	09-08-2002
180.	2.	T0342	Dr. Radhika S	Assoc. Professor (Gr II)	M.C.A.,M.E.,M.Phil.,Ph. D.	21-07-2005
181.	3.	T0203	Mr. Ponniyun Selvan K	Assoc. Professor (Gr II)	M.E.	18-06-2002
182.	4.	T0242	Mr. Chidambara Thanu K	Assoc. Professor (Gr II)	M.E.,(Ph.D.)	16-06-2003
183.	5.	T0799	Ms. Arthi A	Assoc. Professor (Gr II)	M.E.,(Ph.D.)	02-07-2013
184.	6.	T0534	Ms. Prathusha Laxmi B	Assoc. Professor (Gr I)	M.E.,(Ph.D.)	16-06-2008
185.	7.	T0431	Ms. Rajitha Jasmine R	Asst. Professor (Gr II)	B.Tech.,M.E.,(Ph.D.)	29-06-2006
186.	8.	T0447	Ms. Jhansi Ida S	Asst. Professor (Gr II)	B.Tech.,M.E.	13-09-2006
187.	9.	T0565	Ms. Angayarkanni S A	Asst. Professor	B.Tech.,M.E.,(Ph.D.)	01-12-2008
188.	10.	T0889	Ms. Ancy Geoferla L	Asst. Professor (Gr II)	M.Tech.	18-07-2016
189.	11.	T0635	Mr. Umamageswaran J	Asst. Professor	B.Tech.,M.E.,M.M.M.	06-05-2011
190.	12.	T0964	Mr. Satheesh Kumar P	Adjunct Faculty	M.E.	20-06-2017
191.	13.	T0965	Mr. Shenbaga Murugan P	Adjunct Faculty	M.E.	05-08-2017
Science	e & Hu	manities	T	Professor, HOD &	M.Sc.,M.Phil.,M.Tech.P	
192.	1.	T0004	Dr. Pavai Madheswari S	Academic Coordinator	h.D.	01-09-1995
193.	2.	T0102	Dr. Chudalaimuthu Pillai C	Emeritus Professor Assoc. Professor (Gr	M.Sc.,Ph.D.	02-12-1999
194.	3.	T0736	Dr. Golden Stepha N	Ii) Assoc. Professor (Gr	M.Sc.,M.Phil.,Ph.D.	18-06-2012
195.	4.	T0599	Mr. Vijayakumar S	I) Assoc. Professor (Gr	M.Sc.,M.Phil.	01-09-2009
196.	5.	T0747	Ms. Nirmala V	I) Assoc. Professor (Gr	M.Sc.,M.Phil.	29-06-2012
197.	6.	T0331	Dr. Kumar T R K	I) Assoc. Professor (Gr	M.Sc.,M.Phil.,Ph.D.	22-06-2005
198.	7.	T0398	Dr. Thirupathi G	I) Asst. Professor (Gr	M.Sc.,M.Phil.,Ph.D.	29-06-2006
199.	8.	T0401	Ms. Uma Maheswari E	II) Asst. Professor (Gr	M.Sc.,M.Phil.	29-06-2006
200.	9.	T0649	Ms. Sukania P	II) Asst. Professor (Gr	M.Sc.,M.Phil.	03-06-2011
201.	10.	T0667	Mr. Rajaraman R	II)	M.Sc.,M.Phil.	03-08-2011
202.	11.	T0425	Ms. Suganthi P	Asst. Professor	M.Sc.,M.Phil.,(Ph.D.)	29-06-2006
203.	12.	T0671	Ms. Valarmathi R Ms. Sharmila B	Asst. Professor	M.Sc.,M.Phil.	01-08-2011
204.	13.	T0668		Asst. Professor	M.Sc.,M.Phil.	03-08-2011
205. 206.	14. 15.	T0738 T0739	Mr. Karthikeyan S Ms. Ramya S	Asst. Professor Asst. Professor	M.Sc.,M.Phil. M.Sc.,M.Phil.,B.Ed.	18-06-2012 19-06-2012
206.	15. 16.	T0748	Mr. Muthukumar M	Asst. Professor Asst. Professor	M.Sc.,M.Phil.	30-06-2012
207.	17.	T0859	Ms. Muthulakshmi C	Asst. Professor Asst. Professor	M.Sc.,M.Phil.	28-07-2014
209.	18.	T0869	Ms. Meenatchi N	Asst. Professor	M.Sc.,M.Phil.	01-06-2015
210.	19.	T0651	Dr. Arjunan S	Professor	M.Sc.,M.Phil.,B.Ed.,Ph.	08-06-2011
211.	20.	T0024	Dr. Nixon Samuel Vijaya Kumar G	Professor	M.Sc.,M.Phil.,Ph.D.	04-07-1997
212.	21.	T0432	Dr. Sudha D	Assoc. Professor (Gr	M.Sc.,M.Phil.,Ph.D.	29-06-2006
213.	22.	T0371	Ms. Santhi M George	Assoc. Professor (Gr I)	M.Sc.,M.Tech.,(Ph.D.)	17-01-2006
214.	23.	T0675	Ms. Subhashini R	Asst. Professor (Gr II)	M.Sc.,M.Phil.	18-08-2011
215.	24.	T0665	Dr. Latha Mageshwari P S	Asst. Professor	M.Sc.,M.Phil.,Ph.D.	30-07-2011
216.	25.	T0754	Mr. Jagadesan A	Asst. Professor	M.Sc.,M.Phil.	16-08-2012
		1				

217.	26.	T0019	Dr. Srinivasan V	Professor		M.Sc.,Ph.D.	02-06-1997
218.	27.	T0026	Dr. Meena M	Professor		M.Sc.,M.Phil.,Ph.D.	09-07-1997
219.	28.	T0556	Dr. Bala Ramesh P	Assoc. Professor (Gr I)		M.Sc.,M.Phil.,Ph.D.	02-09-2008
220.	29.	T0351	Ms. Vijayalakshmi A	Asst. Professor (Gr II)		M.Sc.,M.Phil.	19-08-2005
221.	30.	T0588	Ms. Malini Anand Raj P	Asst. Professor		M.Sc.,M.Phil.	23-06-2009
222.	31.	T0664	Ms. Parvathi Priya A	Asst. Professor		M.Sc.,M.Phil.	30-07-2011
223.	32.	T0879	Dr. Thinesh Kumar R	Asst. Professor		M.Sc.,Ph.D.	15-06-2015
224.	33.	T0613	Dr. Anita Evelyn S	Assoc. Professor (Gr II)		M.A.,M.Phil.,Ph.D.	02-06-2010
225.	34.	T0521	Ms. Meedphin Arasi M G	Asst. Professor (Gr II)		M.A.,M.Phil.	13-02-2008
226.	35.	T0657	Ms. Binu V S	Asst. Professor		B.Sc.,M.A.,M.Phil.	01-07-2011
227.	36.	T0803	Ms. Ida M	Asst. Professor		M.A.,M.Phil.	27-07-2013
228.	37.	T0801	Ms. Rubitha M	Asst. Professor		M.A.,M.B.A.,M.Phil.	24-07-2013
229.	38.	T0941	Ms. Hajira Irfana M	Asst. Professor		M.A.,M.B.A.,M.Phil.	01-06-2017
Genera	al Engi	neering					
230.	39.	T0005	Dr. Uma Mageswari S D	Assoc. Professor (Gr II)	Y	M.Sc.,M.Tech.,M.B.A., Ph.D.	01-09-1995
231.	40.	T0236	Ms. Meenakshi S	Assoc. Professor (Gr I)	Y	M.C.A.,M.Phil.,(Ph.D.)	16-06-2003
232.	41.	T0323	Mr. Vijayabhaskar V	Asst. Professor (Gr II)	Y	M.C.A.,M.Tech.,M.Phil.	22-06-2005
233.	42.	T0319	Ms. Ignatious Viola X	Asst. Professor (Gr II)	Y	M.C.A.,M.Phil.	22-06-2005
234.	43.	T0487	Ms. Sharmila Bhargavi V	Asst. Professor	Y	M.C.A.,M.Tech.	27-06-2007
235.	44.	T0756	Mr. Vinoth Kumar L	Asst. Professor	Y	M.C.A.,M.E.	01-09-2012
236.	45.	T0793	Mr. Sivakkumar G	Asst. Professor	Y	M.E.	21-06-2013
237.	46.	T0831	Mr. Lokesh Kumar P J	Asst. Professor	Y	M.E.	14-05-2014
238.	47.	T0837	Mr. Thoufiq Mohammed K	Asst. Professor	Y	M.E.	14-05-2014
239.	48.	T0853	Mr. Ramesh P	Asst. Professor	Y	M.E.	09-06-2014
[raini	ng & P	lacement					
240.	49.	T0303	Dr. Sivagnana Prabhu K K	Professor		B.E.,M.Tech.,Ph.D.	19-01-2005
Physic	al Educ	cation					
241.	1.	T0251	Dr. Vakada Krishnarjuna Rao	Asst. Director		B.Com.,B.P.Ed.,M.P.Ed.,Ph.D.	09-07-2003
242.	2.	T0862	Mr. Vela A K A	Asst. Director		M.P.Ed.,M.Phil.,(Ph.D.)	12-11-2014
243.	3.	T0762	Mr. Maran S	Asst. Director		M.P.Ed.,M.Phil.,M.B.A.	02-01-2013
244.	4.	T0802	Ms. Premkumari M	Asst. Director		M.P.Ed.,M.Phil.	25-07-2013
245.	5.	T0861	Mr. Krishna Kumar R	Asst. Director		B.Sc.,M.P.Ed.	12-09-2014
Librar	·y	·					<u> </u>
246.	1.	T0001	Dr. Seenivasan M	Librarian (Sr. Grade)		B.Sc.,M.A.,M.L.I.S.,M. Phil.,PGDCA,Ph.D.	01-08-1995
247.	2.	T0477	Mr. Sudhaker A	Librarian		M.A.,M.L.I.S.,M.Phil.	12-04-2007



Department of Information Technology & Department of Computer Science and Engineering



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CERTIFICATE

This is to certify that Mr. / Ms. / Dr. R.L. Sankar Lal of DP-Ii, Mechanical Dept., RMKEC has participated in the workshop Computational Intelligence / New Product Development as part of International Conference on Cyber Physical Systems held on 20th /21st of April 2018.



المسلط Dr. K.A. Mohamed Junaid













CDAMIES-2018

Department of Production Engineering National Institute of Technology, Tiruchirappalli

This certificate is awarded to

Prof./Dr./Mr./Ms.R. Suresh kumar, S. TharveesMohideen

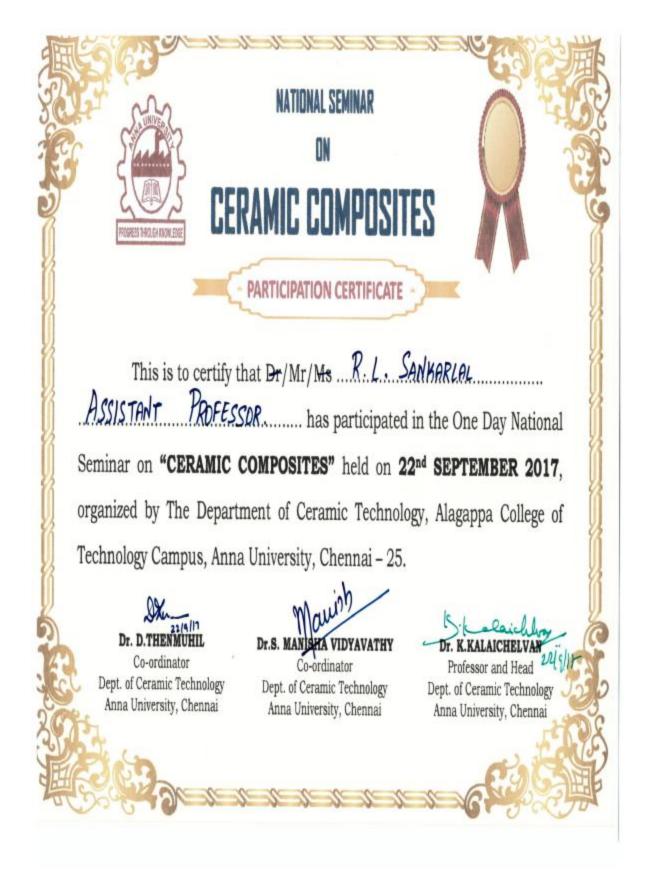
for the paper titled

Performance Investigation Of Alumina Nano fluid As Working Fluid In A Thermosyphon Heat Pipe

with an appreciation for Oral Presentation in CDAMIES-2018 Organized during 18-20 January 2018.

V. Anandakrisha Secretary James Dr. S. Vinodh Secretary

Dr. P. Parthiban Secretary Dr.-Ing. M. Duraiselvam Chairman









Shoaib Sadiq Convener. Virtual BAJA SAEINDIA 2017



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FACULTY DEVELOPMENT PROGRAMME

CERTIFICATE OF PARTICIPATION

awarded to

Mr. Sankarlal R L, Assistant Professor, Department of Mechanical Engineering, RMK Engineering College for the successful completion of 5 days Faculty Development Program on Python Programming at RMD Engineering College from 20.04 2017 and 2017











CERTIFICATE OF PARTICIPATION

awarded to

MR. SANKAR LAL R L, ASSOCIATE PROFESSOR, MECHANICAL ENGINEERING, RMK ENGINEERING COLLEGE

for successful completion of Faculty Development Program

ON SMAC (SOCIAL , MOBILE , ANALYTICS AND CLOUD)

on 08.06.2017

at RMK ENGINEERING COLLEGE.

Cognizant

Suresh Bethavandu Global Head, Talent Acquisition





principal@rmkec.ac.in E-mail rmkecp@gmail.com Website: www.rmkec.ac.in

m : (044) 3330 3330 Fax: (044) 3330 3334

영 : (044) 27925102, 27925338, 27925339

6th July 2018

R.M.K. ENGINEERING CO

(Sponsored by LAKSHMIKANTHAMMAL EDUCATIONAL TRUST) (Approved by the All India Council for Technical Education)

(Affiliated to Anna University)

R.S.M. NAGAR, KAVARAIPETTAI - 601 206, GUMMIDIPOONDI TK., THIRUVALLUR DIST., TAMILNADU, INDIA.

Dr. Akhilesh Mishra,

Scientist D.

Member Secretary, Device Development Programme,

Department of Science & Technology,

Technology Bhawan, New Mehrauli Road,

New Delhi-110016

Dear Sir,

Sub: Re-submission of revised proposal to DST under DDP- "Development of Digital Formwork Pressure Monitoring System Using Sensors"

Letter No. DST/TDT/EAG/DDP-03/2018 dated 20.06.2018

With respect to the reference cited above, I am re-submitting the revised proposal after incorporating the suggestions from the EAG for your final approval.

As per the confirmation given, L&T Construction will bear 25% of the total expenditure towards large scale testing of the proposed device at their various construction sites.

I request you kindly sanction the balance amount of Rs. 22, 50,000/- (Rupees Twenty two lakhs fifty thousand only) for the successful development of the proposed device.

Thanking you

Yours Sincerely

Professor & Head Department of Civil Engineering

R.M.K. Engineering College R.S.M. Nagar, Kavaraipettai

Tamilnadu- 601206

Encl:

1. Letter received from member secretary

2. Revised proposal

Dr. BINU SUKUMAR, M.Tech., Ph.D.

Professor & Head Department of Civil Engineering R.M.K. Engineering College RSM Nagar, Kavaraipettai - 601 206

Administrative Office

PLOT No. 2981, Z BLOCK, 1st STREET, 13th MAIN ROAD, ANNA NAGAR, CHENNAI - 606 040. 管: 26211504, 26266046

RMK-QPF-2010-11: RMK Engineering College

Programme: Date of valuation:

Department: Academic Year:

Semester and Section: Name of the student (optional):

	Name of the Faculty member:	nt				
	Subject Name and Code:	Excellent	Very Good	Good	Fair	Poor
1.	Preparedness for handling class	5	4	3	2	1
2.	Engages classes regularly and maintains discipline	5	4	3	2	1
3.	Subjects organized in logical sequence	5	4	3	2	1
4.	Speaks clearly and audibly	5	4	3	2	1
5.	Writes and Draws legibly	5	4	3	2	1
6.	Explains clearly and effectively the concepts/principles with appropriate examples	5	4	3	2	1
7.	Teacher covers the syllabus completely at appropriate pace	5	4	3	2	1
8.	Pace and level of instructions suited to the students level of understanding	5	4	3	2	1
9.	Teacher asks questions to promote reflective thinking	5	4	3	2	1
10.	Ensures learner activity and problem solving ability in the class	5	4	3	2	1
11.	Encourages questioning/raising doubts by students and answer them well	5	4	3	2	1
12.	Compliments and praises originality and creativity of students	5	4	3	2	1
13.	Indicates important points to remember and helpful comments on paper and exams	5	4	3	2	1
14.	Is courteous and unbiased in dealing with students	5	4	3	2	1
15.	Offers timely assistance and counseling to students	5	4	3	2	1
16.	Is available outside the class for discussion	5	4	3	2	1
17.	Inspire and motivate students	5	4	3	2	1
18.	Has a pleasant disposition	5	4	3	2	1
19.	Teachers marking of scripts fares and impartial	5	4	3	2	1
20.	Teacher is prompt in returning the answer scripts providing feedback on performance	5	4	3	2	1
	Tooching Effectiveness					

Teaching Effectiveness:

Principal HOD







ionship (if Guardian): M/G Suggestions
Suggestions
Suggestions
•
_

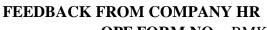
		R.M.K. ENGINEERIN RSM NAGAR, KAVARAI ACADEMIC YEAR 20 / 20; MINUTES OF CLASS COMMIT QPF FORM NOLL RMK	PETTAL – 601 206 ODD/EVEN SEMEST ITEE MEETING	1	DNV-GL
		DEPARTMENT.;		_	
Members of Faculty				Date:	
Members of Students THEORY (LAB (Sub Code an Name)	STAFF I/C	STUDENTS COMMENTS	FACULTY/ HoD Response	Sem/ Sec: Action Proposed with Target Date and Responsibility	Action Taken as on mm/dd/yy
General Comme	nts:		Suggestions for in	aprovement:	
Class Committee C	hairperson:				HOD
Class Committee C	hairperson:			BS	HOD



Visitor's Name:

R.M.K. ENGINEERING COLLEGE

RSM NAGAR, KAVARAIPETTAI – 601 206





QPF FORM NO. : RMK-QPF-2070-03

DEPARTMENT OF TRAINING AND PLACEMENT

HR FEEDBACK

Design	nation:					
Name	of the organization:					
S.No	Parameter or aspect	1	2	3	4	5
1	Infrastructure					
2	Lab facilities					
3	ComputerCenter					
4	Facilities for presentation written test					
5	Students discipline and interaction					
6	Staff interaction					
7	Hospitality					
8	Students technical Skills					
9	Students communication Skills					
	1) Very Poor	2) Poor	3) Good	4) Very Good	5) Excellent	
Sugge	stions if any for improvement:					
1)						
2)						
3)						
4)						
5)						
Signa	ture :					



R. M. K. ENGINEERING COLLEGE

(An ISO 9001:2008 Certified Institution & Accredited by NAAC with A+ Grade)
R. S. M. Nagar, Kavaraipettai - 601 206



ALUMNI ENROLLMENT/DATA FORM

1. Name in full (Mr./Mrs./Miss.)

2. Date of Birth

: 25/05/1988

3. Degree(s) obtained

i) Year of Passing/Reg. No

: 2010 / 11306205304

ii) Degree/Branch/Specialization

: B.E / B.Tech

CE/CSE/ECE/EEE/EIE/IT/ Mech

M.E AE/CSE/PED/VLSI&M.B.A

Employment Details

: On campus / Off campus

Name of the Organization	Designation	Work	period	
	Designation	From	To	Total years of Experience
SERVICES	ANALYST	SEP 2010	Now	7+ YEARS
	-		,	
	Name of the Organization TATE CONSULTANCY SERVICES	TATA CONSULTANCY IT	TATE CONSULTANCY IT SEP	TATA CONSULTANCY IT SEP NOW

5. Contact Number:

Phone: 9283253938

Mobile:

9283253938

6. E mail Id:

dirya parakat @ gmail com

7. Residential Address:

No 10/48, FLAT GES, RAMA KRUHVAN

PERAMBUR, CHENNAT.

PIN: 600011

8. Distinctions achieved

SPECIAL INTHITIVE AWARD

STAR OF THE MONTH

TEST QUALITY MANAGER WITH

ANDER TO TENTION A.

R.M.K. GROUP OF INSTITUTIONS

R.S.M. NAGAR, KAVARAIPETTAI

TRANSMIG AND PLACEMENT, CELL

FEEDBACK FORM

Visitor's Name: VIGNESH MAHALINGAM

Date: 2/8/17

Designation: DIRECTOR

Name of the organization: ZILKER TECHNOLOGY INDIA PVT LTD

S.No	Parameter or aspect	1	2	3	,	1
1	Infrastructure				./	5
2	Lab facilities				1	-
3	Computer Center				-/-	-
4	Facilities for presentation writen test				V	1
5	Students discipline and interaction					V
6	Staff interaction					V
7	Hospitality					V
8	Students technical Skills			./		V
9	Students communication Skills		-	V/		-

1) Very Poor

2) Poor

3) Good

4) Very Good 5) Excellent

Suggestions if any for improvement;

1) Please allow students to do lot more practical work

apart from theorofical work. Students should start preparing from 3rd or oth semester very seriously and should do lot of real time projects which will strengthen their chance of cracking a dream company interview. There is a huge gap blu com college and Industry.

Few colleges do really well because they allow

Students to go out and explore more. I think in this particular aspect, RMK is lacking a bit. Please relase the nucles so that students can go out and learn more.





RMK-OPF 2010-14:

R.M.K.ENGINEERING COLLEGE

						Department of			Date: 2
Name of the Ward : S. LAKSHM				AKS	HM/	NAN- Roll Number: [117]	.520562	Semester an	id Batch II
Parents' / Guardian	's Na	me:	L.S	IVA	LIN	g.tm.	i	Relationshi	p (if Guardian):
Occupation & Address						KICHI BUSINESS.			
: Landline No		:,	A.			Mobile: 90470451	667. 1	ł/D/M/G	
Purpose of Visit	:(Yo	henter	y, Arr	ears in	n Unive	rsity exams/ Tests, Lack of Attendance, Disciplina	ry issue/other	rs)	
The state of the s	10.00		*****			ur input is valuable to us			
Extent to which the	h					Observation	Yes	No	Suggestions
following facilities provided in the college to your ward has impressed you		Excellent	Are you able to contact your ward's faculty adv HoD, when needed?	isor or	1.				
to your ward has impressed you	Sati	Ave	Good	Ver	Exc	Are you being informed of your son's acc progress regularly? Ex: Attendance, Marks in Te		1	
Canteen					V	Examinations, etc	V		
Transport						Do you feel that the College has taken appropriat	e steps		
Hostel					V	to improve your ward's academic performance?	V		
Sports					V	B E. Like Celler, berteler exception of	and Con	-	
Laboratory					V	Do you feel the College has taken appropriate st the overall development of your ward?	eps for		
Placement					V		lv.		
Value added course					V	\+ ·			
						General Suggestions/Feedback, if any:			
Please state all the correct	fact.	er som-		er than	- 1	Parent/Guardian C	ass Incharge		1900



R.M.K. Engineering College



MINUTES OF CLASS COMMITTEE MEETING

Members of Faculty Present: B. Prathusha Laxmi

Date: 20-09-2017 Sem. / Sec.: 7 / A

Members of Students Present:

S. No.	Register Number	Name	Sec
1	111714205012	CHRISTOPHER DANIEL A Day	A
2	111714205045	RANJEET KANNAN M	A
3	111714205039	S. SUDHARSHANNA & Gudhasachanne	A
4	111714205002	AISHWARYA S [23/10/1996] 9 W	A

THEORY /LAB (Sub Code and Name) STAFF I/C		STUDENTS COMMENTS	FACULTY/HoD Response	Action Proposed with Target Date and Responsibility	Action Taken
176701/Information Management	Mr. K. Ponniyun Selvan	No Problem.			
CS6701 / Cryptography and Network Security Ms. S. D. Lalifha No Problem.		No Problem.			¥
176702 /Data Ware Housing and Data Mining	Mr. K. Chidambarathanu	No Problem,			*
CS6703/Grid and Cloud Computing	Ms. L. Ancy Geoferla	No Problem.			8
116004/ Software Testing Mr. J. Uma mageswaran		No Problem.			
IT6711 / Data Mining Lab Mr. K. Chidambara Thanu Ms. S. Jhansi Ida Mr. L. Vinoth Kumar Mr. P. Satheesh Kumar		No Problem.			
Ms. S.D. Lalitha Ms. S.D. Lalitha Ms. L. Ancy Gooferla Mr. J. Urna Maheswaran		No Problem.			-
General Comments: 1. Students requeste 2. Students request	ed for additional lab classes to ed when they go for IV the	complete their lab exercises. y need to be dropped at the	Suggestions for improvement:		

RMK-QPF-2030-06: Class committee meetings minutes

respective or near by places while returning.	To discuss with students and inform whether any additional help is required for any subjects. To inform the students who got placed were requested to assist
	 others in getting placed. To inform that if students need to improve on their internals, they can discuss with the faculty and take up retest or submit assignment as per the requirement.
	 To inform that if students feel that adding couple of marks will help them in getting additional internals they need to inform yet coordinator/HOD before model marks upload.

Class Committee Chairperson: B. Prathusha Laxmi



R.M.K. Engineering College



MINUTES OF CLASS COMMITTEE MEETING

Members of Faculty Present: K.Chidambarathanu

Members of Students Present:

S. No.	Register Number	Name	Sec
1	111715205005	Ajay Diwakar E R	;A
2	111715205042	Sangeetha. S	A
3	111715205004	Aishwarya G	A
4	111715205057	Visanth S	A

Date:	20-09-2017
Sem.	Sec.: 5/A

THEORY /LAB (Sub Code and Name)	STAFF I/C	STUDENTS COMMENTS	FACULTY/HoD Response	Action Proposed with Target Date and Responsibility	Action Taken
CS6551/Computer Networks	Ms. S. D. Lalitha	No Problem.			
TT6501/Graphics and Multimedia	Mr. J. Uma mageswaran	Requested for two marks question and answers	Faculty will be providing the same on or before 23.09.17	Faculty handling class should give it student by 23,09,17	Informed faculty
CS6502/Object Oriented Analysis and Design	Ms. R. Rajitha Jasmine	No Problem.			:
IT6502/Digital Signal Processing	Ms. M. Perarasi	No Problem.			
IT6503/Web Programming	Mr. K. Ponniyun Selvan	Requested for two marks question and answers	Faculty will be providing the same on or before 23.09.17	Faculty handling class should give it student by 23.09.17	Informed faculty
EC6801/Wireless Communication	Ms. S.A. Angayarkanni	No Problem.			
IT6511/Networks Laboratory	Ms. S.A. Angayarkanni Ms. S. D. Lalitha Mr. L. Vinoth Kumar	No Problem.			:
lT6512/Web Programming Laboratory	Mr. K. Ponniyun Selvan Ms. B.Prathusha Laxmi	No Problem.		*	1/2

RMK-QPF-2030-06: Class committee meetings minutes

	Ms. S.A. Angayarkanni				
IT6513/Case Tools Laboratory	Ms. R. Rajitha Jasmine Ms. S. Jhansi Ida Mr. L. Vinoth Kumar	No Problem.		*	¥
General Comments: Requested students to submit the requirement/ support from faculty needed during stuholidays for regular as well as arrear subjects. It was decided revision would be conducted from 22-9-17			zack daily challeng Members were req on 20.09.17 by 21.1 Status of Tech club HOD on 21.09.17 Informed to prepar model exams. As the	rs need to submit the status is e completion by students on uested to report about syllab	21.09.17 us completion as ation and title) to vision period and le indicates that

Class Committee Chairperson: K. Chidambarathanu

HOD



R.M.K. Engineering College



MINUTES OF CLASS COMMITTEE MEETING

Members of Faculty Present: K.Ponniyun Selvan

Date: 23-09-2017

Members of Students Present:

Sem.	/ Con .	21	/ A	2.1	Ð
CHEST IN	I CHOCAN	-3/	7%	48. 1	n.

S. No.	Register Number	Name	Sec
1	1117162055013	M. Dwaraka Prasath	Α .
2	1117162055010	Cirandur Kiran	A
3	1117162055002	Aishwarya L	A
4	1117162055007	Anguluri Reshmi	A

S.No	Register No	Name	Sec
5	1117162055032	Muhamed Thanveer	В
6	1117162055034	R. Monish Kumar	В
7	1117162055040	PechiAmmal	В
8	1117162055042	Pericharla Navya	В

THEORY /LAB (Sub Code and Name)	STAFF I/C	STUDENTS COMMENTS	FACULTY/HoD Response	Action Proposed with Target Date and Responsibility	Action Taken
MA6351 Transforms and Partial Differential Equations	Ms. R. Valarmathi	No continuity due to different faculty members attending classes	Informed concerned HOD		20
CS6301 Programming and Data Structures II	Ms. B. Prathusha Laxmi	No Problem.	•		
CS6302 Database Management Systems	Ms. S. Jhansi Ida	Writing in the black board is not clear	Informed the faculty members		81
CS6303 Computer Architecture	Ms. R. Rajitha Jasmine Ms. S.A. Angayarkanni	No Problem.			7
CS6304 Analog and Digital Communication	Ms. Aswini Ms. B. JeyaPoornima	No Problem.	- 10	35	25
GE6351 Environmental Science and Engineering	Ms. L. Ancy Geoferla Mr. K. Chidamhara Thanu	No Problem.			

RMK-QPF-2030-06: Class committee meetings minutes

IT6311 Programming and Data Structures Laboratory II	Ms. B. Prathusha Laxmi Ms. R. Rajitha Jasmine Ms. S.A. Angayarkanni	No Problem.	*		
IT6312 Database Management Systems Laboratory	Ms. S. Jhansi Ida Ms. R. Rajitha Jasmine Mr. L. Vinoth Kumar	No Problem.	15	(5)	870
IT6313 Digital Communication Laboratory	Ms. B. JeyaPoomima Ms. Aswini	No Problem.		1.50	(*)
General Comments:			Suggestions for improvement Advised to solve daily skillrack and hackers Advised to participate Programming skill an	programming problems nk.	

Class Committee Chairperson: K. Ponniyun Selvan

HOD



R.M.K. ENGINEERING COLLEGE STUDENT FEEDBACK



Academic Year 2017 - 2018 [24/11/2017]

Branch:BTECH-IT

Semester:1

Section:A

Subject : GE8151 PROBLEM SOLVING AND PYTHON PROGRAMMING

Staff Name: Dr. K. Vijaya / PROFESSOR AND HEAD OF THE DEPARTMENT / INFORMATION TECHNOLOGY

Preparedness for handling class	9.3/10	
Engages classes regularly and maintains discipline		
Subject organized in logical sequence	9.3/10	
Speaks clearly and audibly	4.4/5	
	9.3/10	
Writes and Draws legibly	8.9/10	
Explains clearly and effectively the concepts/principles with appropriate examples	8.6/10	
Teacher covers the syllabus completely at appropriate pace	9.3/10	
Pace and level of instructions suited to the students level of understanding	8.5/10	
Teacher asks questions to promote reflective thinking	9.0/10	
Ensures learner activity and problem solving ability in the class		
Encourages questioning/raising doubts by students and answer them well		
Compliments and praises originality and creativity of students	4.5/5	
Indicates important points to remember and provides helpful comments for the reparation of examination	8.5/10	
s courteous and unbiased in dealing with students	3.8/5	
Offers timely assistance and counseling to students	4.1/5	
Is available outside the class for discussion		
inspires and motivates student		
las a pleasant disposition	4.4/5	
eachers marking of answer paper , fair and impartial	4.2/5	
reacher is prompt in evaluating and returning the answer paper and providing edback on performance	9.3/10	
TEACHING EFFECTIVENESS 88.69 %		

2170

John Wood

PRINCIPAL





R.M.K. ENGINEERING COLLEGE

STUDENT FEEDBACK REPORT Academic Year 2017-2018 [24/11/2017]

Branch:B.TECH-IT Semester:I **Section:**A

Subject: GE8151 PROBLEM SOLVING AND PYTHON PROGRAMMING

Staff Name: Dr.K.Vijaya / PROFESSOR AND HEAD OF THE DEPARTMENT / INFORMATION TECHNOLOGY

S. No	Parameter	Score			
1	Preparedness	9.30			
2	Regularity	9.30			
3	Logical Sequence	8.80			
4	Speaks Clearly and Audibly	9.30			
5	Writes and draws Legibly	8.90			
6	Explain with appropriate examples	8.60			
7	Completeness	9.30			
8	Appropriate Pace	8.50			
9	Promotes reflective Thinking	9.00			
10	Activity	9.40			
11	Encourages questioning	8.80			
12	Compliments and praises	9.00			
13	Indicates important points	8.50			
14	Courteous and unbiased	7.60			
15	Timely assistance	8.20			
16	Availablity outside the class	8.20			
17	Inspires and motivates student	8.60			
18	Has a pleasant disposition	8.80			
19	Fair and impartial evaluation	8.40			
20	Promptness in evaluating	9.30			
	Teaching Effectiveness 91.14				

CENTRES OF EXCELLENCE

Centre of Excellence on Cyber Security

Cyber security has been gaining greater attention in India and has been identified as a key thrust area by the national government. Various initiatives have been taken both by governmental associations and agencies as well as the private sector in order to protect and secure the IT infrastructure assets across the country. India is making a concerted effort to build world-class capability and capacity in the area of cyber security. A great deal of the focus is being placed on creating top-class advanced scientific and research institutions in the country as well as in developing trained manpower in this field.

Cyber security is a very relevant topic and it has great scope as the whole country is shifting to the state of total E governance, Ecommerce and E services. So there can be various opportunities. Moreover, with the IT area opening up and encompassing all areas of life and more exposure happens, there can be increased threats also.

Cyber Security job is one of the most well paid careers in the market. If you are an Information Security professional, chances are high that you are making more money than most of your friends. But it might be possible that you are not getting well from your company. If youjust a have relevant experience and have certification like CISSP ,CISA ,CISM ,CEH or other vendor specific certification they will boost up your salary.

Centre of Excellence on Cloud Computing

Cloud computing is a computing infrastructure and software model for enabling ubiquitous access to shared pools of configurable resources in on-demand basis. Cloud computing relies on sharing of resources to achieve coherence and economy of scale, similar to a utility.

With cloud computing and the technology behind it there are many potential opportunities and capabilities. Cloud computing can open a whole new world of jobs, services, platforms, applications, and much more. There are thousands of possibilities beginning to form as the future of cloud computing starts to really take off.

The main reason that the future of cloud computing will be as powerful and expansive as it portends to be is that cloud technology is extremely beneficial. For one thing, the extreme agility and accessibility of a cloud is far superior to the use of current technology. No matter where in the world someone happens to be, or what device they are using, they can access their cloud and continue to do their work or share their information.

Cloud technology is extremely cost effective, and a company could end up saving thousands by choosing this option. For the reliability a cloud offers, the security it provides, and the performance it boasts of, the cost of a cloud makes it an incredible option for individuals and corporations alike. The future of cloud computing is bright, and wise people of any kind should begin to get on board with cloud computing technologies.

The main objective of the Centre of Excellence is to create an enabling environment for the students to be trained in cloud technologies and make them expertise in cloud technologies.

Centre of Excellence on Automotive Electronics

Centre of Excellence (CoE) in Automotive Electronics (AE) is to create and disseminate knowledge through a range of high-quality academic program in a student-centered learning environment to emphasize intellectual achievement and to increase employability in the field of Automotive Electronics. This CoE dawns new ground in the Automotive Electronics training sector for EEE, ECE and EIE departments' students. Employment opportunities are expected to keep pace with continuing rapid advances leading to increased demand for competent and versatile graduates who can design and implement innovative solutions for the Automotive Electronics industry in particular.

Competition in the automotive industry is proliferating every day and CoE-AE endeavors to continually infuse technological learning in students which will reflect the skills in demand by the industry worldwide. Thus, our accelerated learning techniques and blended learning experiences help students to maintain a competitive edge in the automotive industry. The global automotive industry has witnessed a lot of transformation in the last two decades with the digitization of vehicles. Developingless expensive electronics architecture is expected to expedite the demand for electronics and enable sophisticated functionalities as standard features.

Globally, electronic components are expected to be 50 per cent of the value of a car by 2030. Extensive research in the areas of automotive power train, safety, control and electronics is being pursued globally and is gaining momentum in India with active participation from academia and industry. Thus, it is envisaged to be a Centre of Excellence focusing on providing research solutions to the automotive industries through focused R&D in association with the talent and capabilities at RMK Group of institutions.

Centre of Excellence on Embedded Systems

Embedded Systems is the need and trend of the day and the future. Today 90% of computing devices are in Embedded Systems. It has more than 10 % growth rate per annum and over 40 billion devices are forecasted by 2020. This means 5 to 10 embedded devices per person on earth. The application areas start from tiny toys to aerospace applications, including consumer electronics, medical electronics, remote automation, industrial controls, automotive electronics, telecom, military applications and so on. This significance makes the Centre of Excellence in Embedded Systems a vital requirement for training the future Engineers.

The objective of the Centre of Excellence is to connect the students with the industry and make them industry ready when they complete their engineering programme. The requirement in the industrial scenario is gathered and we bridge the gap between the university curriculum and industry requirement, thereby engineering the Engineers to face the real time technical world.

Any industry needs the fusion of hardware and software and our Embedded Systems Engineers have a wide scope of placement opportunities in an ever progressive list of companies which includes WIPRO, Valeo, EmbeddedUR, Siemens, Honeywell, General motors, Cisco systems, L&T infotech and the list continues. They can exhibit their talents in product development, product engineering services and research.

The Centre of excellence is being established in collaboration with Wipro Technologies. The technical facilities is to be utilized to make the students equip themselves with the technical knowhow in the area of embedded systems, develop products and to disseminate knowledge to the interested Engineers.

Centre of Excellence on Telecom

The Telecom Centre of Excellence germinated with the high growth trajectory of telecommunications. The idea of Telecom Centre of Excellence is to bringing the Academic Institutions, Telecom Industry and Government together with the objective of creating an eco-system for sustainable growth of telecom sector in the country. COE encourage collaboration between Entrepreneurs, Industry with academic and Government R&D institutions. The TELECOM technologies such as synchronous digital hierarchy (SDH), GSM, CDMA, Wireless Local Loop (WLL), NFV, MPLS, New Technology Switching Systems(NTSS), Next Generation Network(NGN) and these covers Switching ,Transmission ,Wireless Communication, Technology Familiarization, Computers and IT. With the Managements Vision the centre of excellence will act as catalyst for Indian telecom industry, to make them world player, through the right match of technical manpower by stimulating further ideas and taking forward initiatives in extending infrastructure, expertise & services of Telecom Industry, which is normally not available at technical institutions.

Centre of Excellence on Big Data Analytics

The Big Data Centre of Excellence helps students to train in various big data technologies like Apache Hadoop, Hive, Sqoop, NoSQL, Apache Pig, Apache Spar and MapReduce. It guides students to understand data analytics, predictive analytics and the convergence of IoT, cloud and Big Data. It also helps students to bridge the gap through comprehensive learning of technologies and enables them to add BigData skills to their profile.

Centre of Excellence on Front End Technology

In the present era, there is an explosive growth in the e-commerce with billions of dollars worth of sales taking place each year. Today, thousands of businesses are completely dependent on the internet for their success. Internet has emerged as an one-stop source of entertainment, information, social interaction and commerce.

For success in any online business, a user friendly web or mobile application is a must, as it will provide enhanced user experience to the online visitors. Any site that is too complex and difficult will definitely push away the customers. The use of effective and simple user interface design will be of immense help in achieving the objectives of a website. A good user interface not only increases the site usability but also leads to the smooth completion of any task at hand thereby making everything enjoyable and flexible as per the requirements of users.

While UX (User eXperience) is a conglomeration of tasks focused on optimization of an application for effective and enjoyable use, UI (User Interface) design is its complement, the look and feel, the presentation and interactivity of the application.

A Front-end developer (or indeed UI developer) really depends on the technologies being used. If it is a web application then the front-end is going to be using a mix of technologies such as HTML, CSS, jQuery, Javascript, and perhaps Flash and even Silverlight.

Front-end developer is like an artist with HTML/CSS/Javascript as his tools on a large canvas called internet. With the growing internet and world shifting on web/mobile it has given in to a huge demand to Front-end Developers. Be it Virtusa|Polaris, CTS, Infosys, Flipkart, etc all are trying to get the best talent of front-end development to hire. If you are creative as well as has niche for designs and technology, Front End Technologies COE is for you, we are ready to train you in HTML/CSS/Angular JS.

Centre of Excellence on Mobility

Mobility CoE has been established in RMK Group of Institutions to select and train students in the area of Mobile Computing with focus on developing skills in mobile app development in various platforms like Android, iOS and Web.

Centre of Excellence on Zoho Enrich Program

ZOHO is a leading software product company in the cloud and mobile devices for the past one decade. ZOHO have been coming to RMK Campus regularly for recruiting the students. ZOHO felt that engaging with students for a longer period will help the students to get prepared for product companies and also ZOHO to identify and select the deserving students.

ZOHO visits RMK campus and selects pre final year students of all branches at their V semester. Once the training program starts, two product managers visit RMK campus every saturday and give training. They train the students in basic as well as complex programming concepts. Then they give assignments between the sessions, they interact them through their web portal called ZOHO connect where students are supposed to finish their assignment. ZOHO selects best students from this program for their internships during summer. ZOHO absorbs the best students from the intern students with a high package.

This program is not only for ZOHO, but student get placed in other product companies. ZOHO has been conducting this program only in RMK campus among the various engineering colleges and the product managers are visiting RMK campus on their holidays based on their personal interest. This program is found to be successful.

Centre of Excellence on Building Management System

The visionary Management intends to bridge the gap between Academic and industry, the students are provided with in-depth training in niche areas so that the students are job ready.

In line with this vision, the R.M.K. Group of Institutions has identified the key technologies for the Building Management Systems namely Heating, Ventilation and Air Conditioning (HVAC), Access control system and Fire Alarm system as the area of focus for the branch of Electronics and Instrumentation Engineering.

Centre of Excellence on Concrete and Form work

Centre of Excellence in collaboration with L&T Construction, Chennai on "CONCRETE AND FORMWORK" was inaugurated on 21st August 2017 by eminent personalities from L&T construction (Buildings and Factories) with the prime objective to:

- ✓ To impart the importance of formwork to the students.
- ✓ To involve the students practically to work with concrete and forms.
- ✓ To inculcate in the students the present industrial needs on formwork and concrete.
- ✓ To bridge the gap between industry and academia.

Centre of Excellence on Factory Automation

RMK Engineering College established Centre of Excellence in Factory Automation in collaboration with Mitsubishi Electric India Private limited, Haryana during 2015. The main aim of this Centre of Excellence is to conduct training and placement initiative in the area of Automation and Control Engineering with the prime objective of:

- ✓ To prepare our students for a rapidly changing world by equipping them with the ability to analyze and solve engineering tribulations.
- ✓ To build up awareness among budding engineers and equip them with knowledge and skill in the field of Factory Automation.
- ✓ To enhance placement activities and to place the students in corecompanies.

Centre of Excellence on Product Life Cycle Management

RMK Engineering college has established a Centre of Excellence (CoE) on Product Lifecycle Management (PLM) with a vision to cater the needs of budding Mechanical Engineering students and to make them industry-ready & employable by preaching them the current trends in core and IT industries. Apart from the theoretical & practical training provided to the aspiring students of CoE, exposing them to the healthy discussion on PLM Technology by industry experts through FDPs, conferences, workshops etc will supplement their knowledge on current trends and add leverage to their employability.

Introducing a new product to the market involves many steps spanning all departments in a company. The path to successful launch is fraught with challenges. Even if the design and engineering departments come up with fine product or creative use of technology, a product can still fail. The marketing team could miss out on the opportunity or the customer service representatives may not have enough information or expertise about the product to help the buyers.

Wherever the weak links lie, a chance to penetrate the market and expand profits can be missed. The key to ensuring this unfortunate turn of events does not happen is the communication. A company must be able to properly send information about a product throughout the varying departments that have a hand in its success. This is where PLM, or product lifecycle management, becomes highly significant.



Government Boys Higher Secondary School

Ponneri, Tiruvallur District 601204

TO WHOMSOVER IT MAY CONCERN

I would like to appreciate the effort made by the faculty of the Department of Mechanical Engineering, R.M.K. Engineering College for the successful conduct of the One-Day seminar on topics such as Soft Skills, Personality development, Memorization techniques and Confidence development on 24.07.2017 (Monday), in tune with our Honourable Prime Minister Shri. Narendra Modi's Vidyanjali Yojana. This social responsibility intiative taken to enhance the soft skill of our Higher Secondary Students is commendable. I am elated that we are highly benefited and motivated by this programme.

I also extend my heartfelt thanks to the Management, Principal, and Head of the Department of Mechanical Engineering of R.M.K Engineering College for their incredible suport. My special thanks is due to the Final year students (NIRMALA V, LOKESH BABU T G, MUTHUKUMARAN P, ARAVIND KARTHIK R, KISHORE B, ARAVIND BABU C, MOHAN PRABHU N, RAM ANIRUDH J, SIDHAARTH S M, SHARANNATH R and SHRIPAL K) of Mechanical Engineering.

I sincerely wish that you continue to involve yourselves in such social activities which will benefit the student community in the rural areas.

Yours truly.

M2 54

(A. Kuppu Samy)

สุดของของของเกรียกเล้า รับเด็กเล้า อีนสังหล่า รับเสียกล่ายเรียสกิ

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

1. Suggesting / recommending the measures to improve the teaching effectiveness through FDPs, workshops, conferences etc.



2. Faculty acting as Guest Speaker for other institutions



3. Measures to improve the teaching effectiveness through NPTEL online Courses





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HEMAMATHI ANAND

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Design Of Reinforced Concrete Structures

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Online Assignments 23.5/25 Proctored Exam 68.25/75

Total number of candidates certified in this course: 498

Prof. Anupam Basu Chairman and Head Educational Technology, IIT Kharagour

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

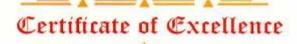


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ASSOCIATE PROFESSOR, DEPARTMENT OF CSE R.M.K. Engineering College has been a RESOURCE PERSON ON 12.06.2018

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held from 11th June to 18th June 2018





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President, I4C



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Prof. Dileep Malkhede

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Smart India Hackathon 2008



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Organizing Secretary, Smart India Hadkathon 2018



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President, IAC

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Advisor, AICTE & Executive Secretary, Smart India Hadkathon 2018



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Anond Destpande

Dr. Anand Deshpande

Chairman and MD, Persistent Systems Co-Chairman, Organizing Committee, Smart India Hackathon 2018















































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Gadamsetty Lohith Kumay of team Infinity loop

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Prof. Dileep Malkhede

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President, i4C

Shri Yinay Sahasrabuddhe

Vice Chairman, Rambhau Mhalgi Frabodhini Potron, Smart India Hackathon 2018

Dr. Abhay Jere

Organizing Secretary, Smart India Hackathon 2018 Award Destrande

Dr. Anand Deshpande

Chairman and MD, Persistent Systems Co-Chairman, Organizing Committee. Smart India Hackathon 2018















































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M. Muddana Likhita

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'Smart India Hackathon, 2018'.



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Advisor, AICTE & Executive Secretary,

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SOFTWARE EDIT

B. Prathuspa daxami of team Kalam'S Dream

for participating in

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Aruna Sundararajan

Secretary, DoT

Aund Destponde

Dr. Anand Deshpande

Chairman and MD, Persistent Systems Co-Chairman, Organizing Committee, Smart India Hackathon 2018

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Organizing Secretary, Smart India Hackathon 2018

































Department of Telecommunications Ministry of Communications









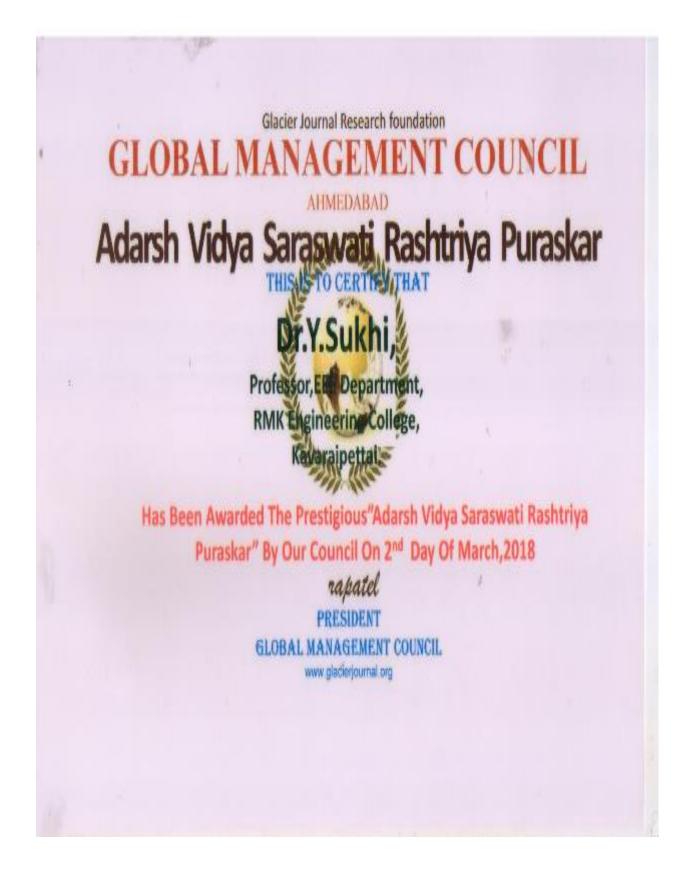
















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Approved by Govt. of Tamil Nadu & AICTE, ISO 9001:2008 Certified, Affiliated to Anna University, Chennai.

Certificate

This is to certify that Dr. / Mr. / Ms. Y. SUKHL; PROFESSOR/EEE
ofRMKENGINEERINGCOLLEGE has delivered a guest lecture
entitled INTRODUCTION TO SMART MICRO GRIDS on 21.11.17
in the AICTE Sponsored 2 weeks Faculty Development Programme on "Design and Mitigation of
Issues in Micro-Grids using HOMER and PVsyst" organized by the Department of Electrical and
Electronics Engineering from 13th to 29th November 2017.

Co-ordinator

Principal

Approved by AICTE & Affiliated to Anno University, Chennai NAAC Accredited & ISO 9001;2008 Certified.

Programmes Accredited by NBA - CSE, ECE, EEE, CIVIL, EIE & PRODUCTION

18.06.18

Dr.Y.Sukhi

Professor

Department of Electrical and Electronics Engineering

R.M.K Engineering College,

Chennai.

Dear Professor

Thank you for handling a session in the Anna University approved FDTP on EE8391 ELECTROMAGNETIC THEORY at Department of Electrical and Electronics Engineering, Velammal engineering college, Chennai on 18.06.18 (Monday).

The event was well attended by the participant faculty members across tamilnadu and as expert guest speaker on the programme you played a significant role in the success of the session.

Thank you again for your contribution to the programme. We look forward to working with you in the future endeavors also to ensure our students community also enjoy a positive learning experience.

Yours sincerely

HOD/EEE

'Velammal NewGen Park', Ambattur-Redhills Road, Surapet, Chennai - 600 066. Tel.: 044-3966 6005 to 3966 6009 Fax: 044 - 2659 1771 Website: www.velammal.edu.in

E-mail: velammal@velammal.edu.in





Velammal Engineering College



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Dr. Jeevaa Katiravan HOD / IT.

Date: 13.12.2017

To

Mr. Chidambara Thanu K Assoc. Professor (Gr II) Department of Information Technology RMK Engineering College Kavaraipettai Tiruvallur District

We are very proud to organise Faculty Development Training Programme on CS8251 Programming in C, Approved by Anna University under the Short Term Training Program. We are extremely happy to receive such a honour from the University.

On behalf of our Department, I would like to sincerely thank you for accepting our invitation immediately to give your wonderful speech on the Topic One dimensional arrays.

Your lecture had inspired all the participated Academicians to improve their carrier. Your thoughts have brought their minds to next level of Technology.

Once again I thank you for your fabulous talk rendered for us in our premises which brought glory to our Department. We would like to have your valuable presence to continue in the future to motivate our Staff and Students in all means.

Regards,

Dr. Jeevaa Katiravan

Head of the Department Department of Information Technology Velammal Engineering College - Chennal - 600 066.

'Velammal NewGen Park', Ambattur-Redhills Road, Surapet, Chennai - 600 066. Tel.: 044-3966 6005 to 3966 6009 Fax: 044 - 2659 1771

E-mail: velammal@velammal.edu.in Website: www.velammal.edu.in

International Journal of Printing, Packaging & Allied Sciences, Vol. 5, No. 1, February 2017 683



R.M.K. ENGINEERING COLLEGE



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Department of Information Technology CYBERNAUTIX 2K18

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Goodinator

HoD

Principal

Chairman









R.M.K. ENGINEERING COLLEGE



RSM Nagar, Gummidipoondi Tatuk, Thiruvallur District, Kavaralpettal, Tamil Nadu 601206

Department of Information Technology CYBERNAUTIX 2K18

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CERTIFICATE OF APPRECIATION











ANNEXURE – B-III

<u>Consultancy Details – 2017 -2018</u>

S.No.	Year	Date	Title of Consultancy Project	Funding Agency	Amount (in Rs.)
1		15.12.2017	Evaluation of Compressive strength of Concrete Cubes.	M/S/ T.J. Arumugam & Co.	1500
2		13.02.2018	Evaluation of Compressive strength of Concrete Cubes.	M/S Sri Surya Construction	1500
3	2017- 2018	12.02.2018	Evaluation of Strength of Aggregate, Setting time of Cement, Tensile strength of Steel bars, Sieve analysis, Bulkage and Silt content of sand, pH value of water.	M/S Tamil Nadu Public Works Department.	11600
4		18.04.2018	Evaluation of Compressive strength of Concrete Cubes.	M/S J.R. Metal Chennai Limited.	1500
5		26.04.2018	Evaluation of Compressive strength of Concrete Cubes.	M/S J.R. Metal Chennai Limited.	1500
TOTAL	AMOUNT	: SEVENTEE	N THOUSAND AND S	IX HUNDRED ONLY	17,600



VENUS AUTO COMPONENTS



Works: No. 9, Rathinam Street, Moorthy Nagar Extn., Padi, Chennai - 600 050.
Office: No. 149, 1st Floor, Vannier Street, Padi, Chennai - 600 050.
Phone: 044 - 26242060, Cell: 094441 09488, 096772 08641
E-mail: venus.cnc@gmail.com Website: www.venusgroups.net

Ref. :

Date :

Date: 16.04.2018

To

The Principal R.M.K Engineering College Kavaraipettai – 601 206 Gummidipoondi Taluk Thiruvallur Dist.

Sir,

We are happy to inform you that the consultancy work on "Designing and manufacturing of special tool holding devices" was successfully completed by R.M.K Engineering College, Chennai on 07.04.2018.

For the above consultancy work, we are releasing the payment of Rs.40000/- (Rupees Forty thousand only) via cheque no: 900281 dated 16.04,2018.

Kindly acknowledge for the payment.

For Venus Auto Components



POWER CHUCK MARKETING

No149, 1st Floor vannier Street , Padi, Chennal - 600 050. Phone: 044 - 26242060 Cell: 094441 09488, Cell: 096772 08641

E-mail: venus.cnc@gmail.com Website: www.venuscnctrainingcentre.com

Ref:

Date: 21.05.2018

To

The Principal R.M.K Engineering College Kavaraipettai - 601 206 Gummidipoondi Taluk Thiruvallur Dist.

Sir.

This is to inform you that Dr.S.Sambath, Professor, Department of Mechanical Engineering, R.M.K Engineering College, Chennai has successfully completed the work from 08.01.2018 to 16.05.2018 on "Design and Manufacture of hydraulic chuck for the production of precision components".

His work is appreciable. A sum of Rs.60,000 is awarded for his role in the consultancy work.

We are releasing the payment of Rs.60000/- (Rupees Sixty thousand only) via cheque no: 045335 dated 21.05.2018. Please acknowledge for the payment.

We look forward your continuous service for our organization

For Power Chuck Marketing





F.NO.7-72/RIFD/SG/POL-1/2016-17

To

The Drawing and Disbursing Officer All India Council for Technical Education Nelson Mandela Marg, Vasant Kunj, New Delhi-110067



Sub: Sanction Order for releasing of 1st installment (50%) of Grants-in-aid (Plan) under the Scheme of Seminar Grant to R.M. K. Engineering College, RSM Nagar, Kavaraipettai, Gummidipoondi-Taluk, Tiruvallur, Tamil Nadu-601206, for the year 28/11/14 during the financial Year 29/19/18.

Sir,

I am directed to convey the sanction of the Council for payment of Rs.50, 000/- (Rupees Fifty Thousand Only) as 1st installment (50%) out of the total approved amount of Rs.1,00,000/- (Rupees One Lakh Only) for Organizing Seminar to R.M. K. Engineering College, RSM Nagar, Kavaraipettai,Gummidipoondi-Taluk, Tiruvallur, Tamil Nadu-601206, under the Scheme of Seminar Grant.

 The amount of the Grant shall be drawn by the Drawing and disbursing Officer, All India Council for Technical Education on the grant-in-aid bill and shall be disbursed to and credited to the Director/Principle of the institute through E-payment system.

Bank Account /RTGS Details

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAATL3055E	INDIAN OVERSEAS BANK	Kavarai pettai	R.S.M. Nagar, Kavaraipetta i, Gummidipo ondi Taluk, TamilNadu 601206	RMK Engineering College	Saving Account	62201000032 900	10BA0000622



Mens

- 2. The Acceptance letter with dates (to be held within six months from the date of issuance of Sanction Order) for conducting Seminar should reach this office within 15 days from the date of receipt of the this Sanction Order duly signed and sealed by Co-ordinator and Head of the Institutions along with permission/clearance of Govt. of India for Conducting Seminar.
- 3 The reimbursement of the balance entitled amount of the grant-in-aid shall be released only on receipt of the following documents:-
 - (i) Feedback form in the prescribed proforma-
 - (ii) Original Statement of actual Expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Charted Accountant (with membership no., full address & stamp). Photocopies of format enclosed.
 - (iii) Copy of the proceedings/Project completion report.
- This sanction is issued in exercise of the powers delegated to the Council and other terms and condition laid down in the guidelines of the scheme.
- This grant-in-aid is being released in conformity with the terms & conditions as well in norms of the scheme as already communicated in the above letter and as accepted by the Institution/Coordinate. If vide their Acceptance Letter.
- The sanctioned amount is debitable to the Major Head 601.8 (a) Gen. of the Scheme of
 for Seminar Grant (SG and is valid for payment during the financial year 3.2). 2-73

- 7. Funds covered by this grant shall be kept separately and would not be mixed up with other funds.
- The Council or its nominee shall have the right to check/verify the accounts to satisfy that the funds have been utilize for the purpose for which they were sanctioned.
- The University/College/Institute shall maintain proper accounts of the expenditure out of the Grants, which shall be utilized only on approved items of expenditure.
- 10. The assets acquired wholly or substantially of the All India Council for Technical Education's grants shall not be disposed or encumbered or utilized for the purposes other than those for which it was given without proper sanction of the Council and should, at any time the Institution ceased to function, such assets shall revert to the All India Council for Technical Education.
- 11. Title of event "Science Oriented Architecture and Web Service: Concepts, Technologies and Tools".
- 12. Date of Event- Within 6 months from the date of Sanction Order.

Yours faithfully,

(Dileep N. Malkhede) Advisor (RIFD)

Copy forwarded for information and necessary action to: -

PRINCIPAL;
 R.M. K. Engineering College
 RSM Nagar, Kavaraipettai,Gummidipoondi-Taluk,
 Tiruvallur, Tamil Nadu-601206

2. Dr. VIJAY KALAVAKONDA
(COORDINATOR)
R.M. K. Engineering College
RSM Nagar, Kavaraipettal Gummidipoondi-Taluk,
Tiruvallur, Tamil Nadu-601206

Guard File

C. PRASANNA VENKATESH & ASSOCIATES ADVOCATES, SOLICITORS & CONSULTANTS

05.07.2017

To
Dr. K. Vijaya,
Professor and Head,
Department of Information Technology,
R.M.K. Engineering College,
Kavaraipettai – 601 206.

Sub.: Development of Law Practice Management Systems Reg.

We have planned to automate our concern. In this regard, I would like to know whether it is possible for you to Develop Law Practice Management software for our concern with the following requirements.

- 1. Customer Relationship Management
- 2. Document Management
- 3. Accounting System
- 4. Website and Email

I request you to quote us the price and timeline of the work.

We are happy to get connected with R.M.K. Engineering College.

Thanking You,

Yours Truly

(C.Prasanna Venkatesh)

C. PRASANNA VENKATESH & ASSOCIATES ADVOCATES, SOLICITORS & CONSULTANTS

05.07.2017

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Kavaraipettai – 601 206.

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- 2. Document Management
- 3. Accounting System
- 4. Website and Email

I request you to quote us the price and timeline of the work.

We are happy to get connected with R.M.K. Engineering College.

Thanking You,

Yours Truly

(C.Prasanna Venkatesh)

C. PRASANNA VENKATESH & ASSOCIATES ADVOCATES, SOLICITORS & CONSULTANTS

19.05.2018

To
Dr. K. Vijaya,
Professor and Head,
Department of Information Technology,
R.M.K. Engineering College,
Kavaraipettai – 601 206.

Sub.: Payment for development of Law Practice Management Systems Reg.

We are releasing the payment of Rs.120000/- (One Lakh only) vide Cheque No:867442 dated 14/05/2018 drawn on M/s.Punjab National Bank, Anna Nagar, Chennai-40 towards the work that was completed by M/s.R.M.K. Engineering college and also please acknowledge ** the payment.

We are happy towards the services rendered.

Thanking You, Yours Truly

(C.Prasanna Venkatesh)





अखिल भारतीय तकनीकी शिक्षा परिषद्

(भारत सरकार का एक शाविधिक निकाय) मानद संशाधन विकास मंत्रासद, भारत सरकार नेल्सन मंद्रेता मार्ग, नई दिल्ली-110067

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(A Statutory Body of the Govt, of India)
Ministry of Human Resource Development, Govt. of India
Nelson Mandola Marg. New Delhi-110067

Dr. Neetu Bhagat Deputy Director (RIFD)

F. No. 7-72/RIFD/SG/POLICY-1/2016-17 Dated: 17.08.2017

To,

The Principal, R.M.K. Engineering College, RSM Nagar, Kavaraipettai, Gummidippondi-Taluk, Tiruvallur, Tamil Nadu-601206.

Sub: - Release of Grant-in-aid under Seminar Grant (SG).

Sir,



INEERING

HOD IT

This has reference to your proposal under Seminar Grant scheme for 2016-17 with Coordinator Dr. Vijay Kalavakonda. The proposal was examined and a Sum of Rs. 1,00,000/- was sanctioned to the institute. Out of this 50% of grant Rs.50,000/- (as 19 installment) was processesd for release, but the transaction was failed.

In view of above, a Demand Draft No.205532, dated-31.07.2017, for Rs.50,000/- in favour of "R M K ENGG COLLEGE" is forwarded herewith in respect of the above grant. The Sanction Order No.7-72/RIFD/SG/POL-1/2016-17, dated-08.06.2017 has already been sent to you. Kindly, acknowledge receipt of the same.

Yours Sincerely

(Neetu Bhagat)

Copy to :-

The Advisor (Finance), AICTE







अखिल भारतीय तकनीकी शिक्षा परिषद्

(भारत सरकार का एक शाविधिक निकाय) मानद संख्यान विकास मंत्रालद, भारत सरकार नेल्सन मंद्रेत्ता मार्ग, नई दिल्ती-110067

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(A Statutory Body of the Govt, of India)
Ministry of Human Resource Development, Govt. of India
Nelson Mandola Marg. New Delhi-110067

INEERING

HOD IT

Dr. Neetu Bhagat Deputy Director (RIFD)

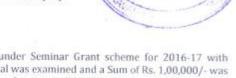
F. No. 7-72/RIFD/SG/POLICY-1/2016-17 Dated: 17.08.2017

To,

The Principal, R.M.K. Engineering College, RSM Nagar, Kavaraipettai, Gummidippondi-Taluk, Tiruvallur, Tamil Nadu-601206.

Sub: - Release of Grant-in-aid under Seminar Grant (SG).

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This has reference to your proposal under Seminar Grant scheme for 2016-17 with Coordinator Dr. Vijay Kalavakonda. The proposal was examined and a Sum of Rs. 1,00,000/- was sanctioned to the institute. Out of this 50% of grant Rs.50,000/- (as 1st installment) was processesd for release, but the transaction was failed.

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Yours Sincerely

(Neetu Bhagat)

Copy to :-

The Advisor (Finance), AICTE



Experimental Study on Behaviour of Cruciform and Modified Cruciform Steel Section

Dr.M.Usha Rani#1, Pabbisetty Sai Kiran#2, J. Martina Jenifer#3 S.Kavya#4
#1Professor, Department of Civil Engineering, R.M.K Engineering College, Kavaraipettai, Chennai, India
Abstract

Steel has become the predominate material for the construction of bridges, buildings, towers, and other structures. Steel exhibits a desirable physical property that makes it one of the most versatile structural materials in use. Its great strength, uniformity, light weight, ease of use, and many other desirable properties makes it the material of choice for numerous structures such as steel bridges, high rise buildings, towers, and other structures. Column is one of the important structural elements in any type of Structures. Steel columns sometimes cannot provide the necessary strength because of buckling. The steel sections manufactured in rolling mills and used as structural members are known as rolled structural steel sections. The steel sections are named according to their cross sectional shapes. Rolled steel Sections the most desirable members are those with large moments of inertia in proportion to their areas can be used into a wide variety of shapes and sizes to avoid torsional buckling.

This paper presents the findings from an experimental study on steel column subjected to constant axial force. Three Different categories of cross-sections such as I section, cruciform section (Plus section) and modified cruciform section (Double Tee-inverted) were designed. Totally Nine scale model columns were fabricated based on the proposed design methodology and were subjected to Axial Loading. Parametric studies such as Load Vs deflection, failure behaviour of short columns were discussed. From the experimental study it was concluded that the cruciform section performed well than modified cruciform section.

Keywords — Torsional effect, I – section, Cruciform, Modified cruciform, Controlling factor of torsional buckling. **I. INTRODUCTION**

Steel sections have found their development in design of enormous structures over the past years. Steel has high strength per unit mass which enhances the usage of it. Among steel section prevalently used is I -section. Industrial usage of I -section is more than 100 tones. Reasons for such wide practice is effective load transmission and sustain design loads. The section has adequate durability and withstands deformations during and after construction.

I -section is a most influential section because of the universal benefits and economic in all regions. Such powerful section is only used in all the places irrespective of the load requirement.

For many high loads carrying member we can use other sections. One such member is cruciform section. A cruciform section is otherwise known as open cross section. This can also be referred as doubly symmetric section.

The section is formed with the help of two TEE section, in which one is inverted Tee – section appears to be a rectangular hollow section with extended flanges on its four sides. No two extended flanges are in same direction. Hence the section is modified and its torsional rigidity is enhanced. Similarly, the section is rearranged with its own basic elements alone. The theoretical data are calculated using Indian Standard code IS 875-1975 (part III), IS 800 – 2007 using limit state method, IS 800- 1984 using working stress method and the section properties of the specimens are obtained using steel table.

A. Objective of study

The following are the objectives of the present study:
☐ To increase the usage of cruciform section for various high load requirement situations.
☐ To enhance usage of economic sections.
☐ To avoid torsional buckling of steel section.
☐ To reduce the utilization of raw material to produce economic sections.
B. Scope of study

The universe is virtually using concrete in the construction field. Comparatively steel is also growing in construction field for high raised structures. But the usage is limited due to susceptible to corrosion and availability of raw material. Mainly in India steel structures are less in number in universal scale.

Additionally, to find whether the section is torsional resistant and its buckling resistance of those sections in various end connections.

Experimental Investigation on polymer fiber reinforced engineered cementitious composites under Flexural and Shear Loading

Dr. M. Siva*

#1Assistant Professor, Department of Civil Engineering, RMK Engineering College, Kavaraipettai-601206, Tamil Nadu, India. E-mail: msa.ce@rmkec.ac.in

Abstract

This paper deals with the experimental investigation of flexural and shear strength of Engineered Cementitious Composites (ECC) with polymer fibers viz., polyester and polypropylene. The effects of strain hardening behaviour and toughness of the specimens under flexure are investigated. Shear test is carried out with a newly fabricated double shear test setup. The Experimental results shows that the ECC mixes with polymer fibers yielded higher flexural and shear strength compared to conventional mixes without fiber due to enhanced ductility. The failure pattern of ECC mix under flexure and shear is such that multiple cracks are formed under the load as well as there is a uniform distribution of minor cracks throughout the tested specimen. Polypropylene based ECC leads to relatively higher flexural and shear strength due to its enhanced ductility and higher strain hardening capability compared to Polyester based ECC mix. The conclusions of the study can be used for the design of ECC with enhanced ductility and toughness with polymer fibers

Keywords: Engineered cementitious composite (ECC), fiber, polyester, polypropylene, flexure, shear **INTRODUCTION**

One of the primary function of fibers is their ability to enhance the strain capacity of the cement composite. The improved strain capacity in tension helps to reduce cracking under restrained conditions. Hence material composition with strain hardening properties named Engineered Cementitious Composites (ECC) is developed for producing high performance, with low volume concentrations of short fibers (2%) in a cementitious material [1]. In high early strength ECC, tailoring the flaw-size distribution in the matrix microstructure is necessary to produce multiple cracking. Beams with ECC mix performs better under shear loading than the high strength concrete beams with dense shear reinforcement [2]. ECC overlay on the conventional concrete improved the load carrying capacity of the beam by imparting ductility to the system [3]. In addition to shear and flexure, ECC has higher fatigue resistance than steel fiber reinforced concrete which causes the crack bridging stress to decrease with increase in repetition of loads [4]. The fatigue characteristics of ECC overlaid beam is not influenced by interfacial property which is an important property in the deformation of the overlaid beams [5]. Ductility of ECC beam is dependent on enhanced workability and fiber dispersion within the concrete [6]. Apart from strength properties, ECC is durable against sulphate and chloride even after an exposure of 200 days [7]. Under a constantly applied tensile load using displacement controlled system, the permeability of ECC is observed to be relatively less than the conventional fiber reinforced concrete (FRC). ECC is made durable against water absorption, permeability, freezing and thawing by coating the surface with super-hydrophobic admixture [8]. The type of fibers used for the production of ECC has influence on the strength properties. Polyvinyl alcohol fibers (PVA) in ECC has high interfacial chemical bond which results in high toughness than PVA in FRC [9]. Self-consolidating PVA ECC has been developed with strain hardening property through proper control on processing and micromechanical parameters [10]. Kong et al. (2003) [11] has studied strength properties of polyethylene based self-consolidating ECC mix by employing micromechanical and rheological design. Application of PVA fiber along with shape memory alloy (SMA) fiber in ECC results in improvement of tensile and flexural capacity by 59% and 97% than ECC with PVA fiber alone [12]. In this study, the polymer fibers such as polypropylene fiber and polyester fibers are taken for studying the flexural and shear strength ECC mix.

PROPERTIES OF MATERIALS:

Cement (C):

The physical properties of ordinary Portland cement tested as per IS: 4031 are given below

i) Grade: 53(OPC)

ii) Specific gravity: 3.15

iii) Particle size range : 31μm to 7.5μm

iv) Normal consistency: 28%

v) Initial setting time: 110 minutes

vi) Final setting time: 260 minutes

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2664 Standard sand (G)

The Physical properties of sand used in investigation are given below:

i) Specific gravity: 2.65

A Computational Approach of Prestressed Concrete Bridge Deck Slab Analysis for various IRC Classes of loadings using Pigeaud Charts

Dr. M. Siva#1

#1Assistant Professor, Department of Civil Engineering, RMK Engineering College, Kavaraipettai-601206, Tamil Nadu, India

Abstract

This paper aims at solving the difficulty in arriving the bending moment coefficients of bridge deck slab from cumbersome Pigeaud charts. In this study, the bending moment coefficient values from pigeaud charts are tabulated for different IRC (Indian Road Congress) classes of loadings using interpolation technique. For this study, IRC classes of loadings viz., Class AA tracked and wheeled, 70R tracked and wheeled, Class A and Class B vehicle loadings are taken into considered. A program using MATLAB software is developed to interconnect these tabulated bending moment coefficient values in the analysis of pre-stressed concrete deck slab. It is observed there is a good agreement between computational analysis and theoretical analysis. This study facilitates the analysis of pre-stressed concrete deck slab to be easier and systematic.

Keywords — prestressed, concrete, deck slab, IRC class loadings, pigeaud chart, bending moment, MATLAB **1.0 INTRODUCTION** (SIZE 10 & BOLD)

In the current scenario, the steady increase in the volume of the traffic throughout the world results in the demand for an efficient transportation system. One of the way for reducing the fast growing traffic problem is the construction of bridges. The widely used bridge which is meant for long span construction is pre-stressed concrete bridge [1]. Since bridges were subjected to different types of loadings, there are problems like general wear and tear in the structure. Hence it becomes necessary to analyze the slabs for various types of IRC loadings like Class AA,70R, Class A and Class B loadings [2]. The maximum bending moment and shear force were got when the bridge deck is subjected to IRC Class AA and IRC Class 70R loading systems. It was observed that for a given span and end conditions, IRC Class AA tracked vehicle gives higher values of shear force, bending moment and deflection than IRC 70R loading [3]. The common rational methods which are used for the analysis of bridge deck for bending moments are Courbon's method, Guyon-Massonet method. Courbon's method is observed to be used when the live loads act nearer to the kerb, in which the centre of gravity of live load acts eccentrically from the girder system [4]. Guyon-Massonet method is based on the application of orthotropic plate theory in which a set of distribution coefficients were used for different torsional cases on the slab for studying the load distribution behavior. Courbon's method is observed to give average result on bending moment values for the longitudinal girders than GuyonMassonet method, whereas the GuyonMassonet method gives lower bending moment values than courbon's method of analysis [5]. Grillage analogy method analysis is the most common analysis for bridge analysis and the effect of skew angle in the reinforced concrete bridges were studied by calculating maximum bending and torsional moments for different angles and spans [6]. Bending moment calculated for bridge deck using FEM is relatively higher than the bending moment obtained by grillage analysis [7]. In the case of pre-stressed bridge decks with Tee beams, the deck slab supported on all the four sides and are spanning in two directions, the bending moments in the two directions can be computed by using the design curves developed by M.Pigeaud [8]. It is observed there is complication in using the pigeaud charts in getting the bending moment coefficients for the analysis of the deck slab, as the curves are merging together in most of charts [9]. In this study, the complications in getting the coefficients value is reduced by converting all the IRC class loading pigeaud charts into tables which contains 1000's of values using interpolation technique. A program is written in MATLAB software for deck slab analysis in which the tables generated were used for the bending moment calculations.

2.0 METHODOLOGY

2.1 General

The flow chart for the methodology of analysis adopted for the deck slab is presented in the Figure 1. The various classes of IRC loadings to be considered for the analysis of bridge deck slab are given in the Table 1. In this study, Class AA tracked and Class 70R tracked loadings are considered for the analysis of bending moment in the deck slab. ig 1: Flow chart for the methodology

A Survey: Detailed Study on Various attacks and Remedies of WSN

Devi.P.P 1,Dr.Jaison.B2 Research Scholar1, Research Supervisor2, Department of Computer Science & Engineering, R.M.K.Engineering College, Chennai, India Email: devisayz@gmail.com1,bjn.cse@rmkec.ac.in2

Abstract

Detailed study on various attacks and various remedies applied by the earlier research works in WSN. Wireless Sensor Network (WSN) is one of the drastically growing networks used to develop various merging applications working remotely. Nodes in WSN are sensor nodes and they can join or disjoin in the network any time. The behavior of the nodes is also too dynamic. A node in WSN can act as a source or destination or a router in a data path. Any node in the network can sense the other node activities within a framed region. Due to these reasons, it is possible any kind of malicious activities can be created automatically or manually by other malicious or compromising nodes. The author in this research, aimed to design and develop a novel approach for detecting and preventing clonal attacks in the network. In order to do that, understanding the problems faced by various earlier research works is necessary. Hence this paper provides a

Introduction

Huge number of Sensor nodes are scattered in environment to monitor, with implicit processor and less power radio to communicate wirelessly with each other and also to the base station is called Wireless Sensor Networks (WSNs). Sensor nodes are deployed in the location to sense and the information is transmitted to the powerful base station which plays a role of front end to the users. Thus the sensed information is received to the user through the base station. The WSN can be deployed easily because of the wireless interface, low cost but the demerits are capacity and life time is low. WSN is used for various applications like temperature sensing to other tedious applications. Some applications are personal sensing [1], body area network [2, 3],

military [4], smart building [5], camera and video surveillance [6] as well as robotics [7]. Security can be commonly named as data authenticity, integrity and confidentiality. There are more research is ongoing in the field of energy efficient security algorithm [8-15] for WSN due to its low power and the same time to attain the security. It must be ensured that the information should be exchanged between the trusted nodes and it is discussed in Trust Management Systems [16-18]. There is immense growth has been proficient in providing the basis for energy efficient trusted platform recently. Along with the profitable releases are Trusted Platform Module [19], ARM1176JZF-s with TrustZone [20] and TI M-Shield [21]. The current progress that incorporate the above security chips are TrustFleck [22], TrustCAM [23], SEF [24] and IBE_Trust [25]. Mobile Sensor Networks (MSNs) are hugely implemented in robots for realistic applications.

The clone attacks in mobile sensor networks are powerful than the static sensor networks. The challenges on clone attacks in static wireless sensor networks explained in [26-30]. The authors in [31-34] given detailed information about mobile sensor networks, particularly identifying the duplicates are discussed in MANET. The authors in [33-34] especially present methods to compute the replica nodes meeting the observer nodes. There will be one observer to count the meetings in entire area of the network. Sometimes the mobile sensor

nodes are moving very slow in the network, there the detection of meeting is tedious and detection methods fail in that situation. So, it is believed that still there are some research works discussion about observer nodes with the mobile sensor nodes without replication. Wireless Sensor Networks consists of large number of sensor nodes to sense the environment. Nodes have the capacity to communicate with each other and can directly communicate with base station (BS). There are lots of sensors deployed in larger area to sense with high accuracy. Also WSN [35] may have the tiny sensors in bulk which is helpful for surveillance and to monitor the environment. A single sensor node contains more sensing components to sense motion, temperature, pressure, etc..., a battery, low power radio transreceiver,

In International Journal of Pure and Applied Mathematics Volume 119 No. 12 2018, 16679-16697 ISSN: 1314-3395 (on-line version) url: http://www.ijpam.eu Special Issue ijpam.eu 16679 recent days, due to the development of wireless sensor technology in network technology and has tremendous applications forever.

Design of an Efficient Multiplier Implemented in Ancient Vedic Math Approach for high speed digital circuits

S.MOHAMED SULAIMAN 1Dr.B.JAISON 2 DR.M.ANTO BENNET3 1ASSISTANT PROFESSOR, 3PROFESSOR, DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING, VEL TECH, CHENNAI 600062, TAMILNADU, INDIA, 2 ASSOCIATE PROFESSOR, DEPT OF CSE, RMK ENGINEERING COLLEGE, CHENNAI Email:sulaiman@veltechengg.com1

ABSTRACT:

Multiplication is one of the most fundamental arithmetic operations employed in all digital filters. Multipliers are basic in any typical processing units. Multipliers are of different types based on the requirement. For area, the multiplier used which would be different if the requirement is speed. The purpose of the paper is to propose the most efficient multiplier in all sorts of requirement. The proposed multiplier computes the operation using Vedic math approach. The two dedicated Vedic approach to perform multiplication are Urdhva Tiryakbhyam and Nikhil am Sutra. These approaches are the most efficient way to perform multiplication operation. The resultant multiplier is very efficient in speed, area and power. This work provides the outline to such approach. This Vedic math approach is implemented in Booth multiplier and its efficiency is analyzed and the comparative analyzes is shown. Thus the resultant multiplier increases the speed by reducing the addition operation performed in each iterative step.

Keywords: Vedic math, Urdhva Tiryakbhyam, Nikhilam Sutra.

I.INTRODUCTION:

Multiplication is the most important operation performed in all digital filters. The efficient multiplier is always necessary because the efficiency of the multiplier determines the overall efficiency of the circuit. The computation speed in multiplier determines the overall speed of the digital circuits. Likewise the area of the multiplier determines the efficient area usage of the circuit. Due to these advantages, the multiplier is designed with such a way that it meets the overall requirement of the digital circuits. Multipliers are of different types and this variation is due to changing requirements. The requirements are area, speed and power. Some multipliers are suitable if the basic requirement is area and some other multiplier types are used on its speed as its basic requirement. The most widely used multipliers are Booth multiplier, Wallace tree multiplier and Dadda multiplier. The different multipliers are Array multipliers[1], Column compression Multiplier and counter multiplier. These multipliers are usually categorized as parallel multipliers. This is because the multiplier performs parallel addition[5,6,7].

II.MULTIPLIERS:

A. ARRAY MULTIPLIER:

The array multiplier uses $(N^2 + N^{-1})$ computational units. It is because the no. of adders required is N-1. The no. of AND gates in use would be N^2 . The delay in the array multiplier is directly proportional to the word length.

B. COLUMN COMPRESSION MULTIPLIER:

The column compression multiplier has the delay proportional to the log of the operand word length. It is because the column compression multiplier uses compression techniques which increase the overall speed of the multiplier. 3:2 compressors are the full adders employed in the multiplier. Thus by using compression techniques, the speed is increased. It uses counter placement strategy shown in fig 1. Fig 1: column compression multiplier

C. LOW AREA WALLACE MULTIPLIER:

It is refined sequentially from traditional Wallace to reduced complexity Wallace to Dadda multiplier. Reduced complexity Wallace multipliers are operating at same speed as that of the traditional Wallace multipliers[2]. The advantage of the reduced complexity Wallace multiplier is that it uses reduced number of half adders in the reduction process and the larger final adder as compared to the traditional Wallace adder. Reduced complexity Wallace multipliers are succeeded by International Journal of Pure and Applied Mathematics Volume 119 No. 15 2018, 279-284

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RESEARCH ARTICLE

Dynamic association and participant based adaptive streaming in small base station for live video conference on 5G networks

Frederick Swartz Daniel D Mohamed Junaid K.A Jaison B Anita Rose J.T R.M.K. Engineering College, Chennai, India

Correspondence

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Abstract

Targeting to handle the explosive growth ofmobilemedia streaming, the emerging fifth-generation systems need to manage control plane and data plane appropriately. The control plane is used for node association in the heterogeneous cellular network and data plane for media streaming with heterogeneous user equipment. To satisfy the aforementioned requirements, we proposed a solution to alter the control plane and data plane by systematic usage of in-network resource available in wireless edge (eg, macro, pico, and femto) small base stations (SBSs) for the deployment of smart association policies and media processing technique that improve the efficiency in fifth-generation wireless networks. On the other hand, due to the broadcast nature of wireless medium, we introduce the media processing agent (MPA) that would reside in SBSs to process the media on the fly and then deliver streams adaptively to the participants. MPA can identify the presenter among the participant to create the server channel

with media server and the observer can service from MPA itself. To better exploit the participant's node association with the nearby SBSs, association policies are enhanced with concerns on dynamic association with SBSs. In addition, we describe a heuristic algorithm that provides significant performance gains compared with the existing centralized processing schemes. Numerical results are presented with realistic parameters for the media processing speed, and the quality of delivery demonstrate up to 20% reduction in central processing unit usage over existing (centralized) media processing schemes.

1 INTRODUCTION

An extraordinary worldwide growth of mobile data traffic in cellular networks today is video streaming. Observing evidence suggests that video-based communication will keep increasing its share of the cellular traffic at an even faster pace. The reason behind this phenomenon is the explosive demand for high-quality video streaming from mobile devices (eg, tablets and smartphones). These expansions place huge pressure to mobile network operator (MNO)who need to advance the technologies and develop a video delivery solution to offer higher data rates that can keep up with this demand for high-quality video. Fifth generation (5G) is the next-generation heterogeneous cellular networks (HCNs) and multitier architecture that envisage to deliver orders of magnitude higher throughput, lower delay, and energy efficiency. HCNs introduce low-power small base station (SBS) that form around them picocells and femtocells respectively.1 The novel *Trans Emerging Tel Tech*. 2018;e3300. wileyonlinelibrary.com/journal/ett Copyright © 2018 John Wiley & Sons, Ltd. 1 of 19 https://doi.org/10.1002/ett.3300 2 of 19 D ET AL. feature of HCNs is that they can lower the use of the backhaul capacity by employing caching at the SBS (eg, picocells and femtocells). Caching enables SBSs to stream for its associated devices and this implies lower use of backhaul links between SBSs and the central server.2 Another novel feature of 5G systems is the sharing and cooperative utilization of in-network storage to cache video content.3

The user equipment (UE) point of attachment to the nearest node can be SBS as per the 5G wireless technology. The UE is connected to a SBS for a short period but changes its location and connectivity dynamically. Moreover, the core network SBS where the UE connected is mobile and changes its location and connectivity when it is attached to a vehicle. The assignment of address using identifier locator addressing (ILA), tracking of UE mobility, and updating the registries with real-time status in locater/identifiermappings is handled with mobility management entity (MME) without tunnel.4 Another challenging task in 5G networks is to enhance the user experience through the delivery of adaptive streams that should deliver with low delay, rendered smoothly, and without interruption. Adaptive streaming allows UE with heterogeneous network conditions to receive an adaptive bitrate of video *segments* that can be played independently5 and to transcode the videos to different *versions* of the same content for the users. Transcoding a video to different bitrates may consume a lot of computation resource in server.6 The situation is exacerbated by today's user-generated content-based video conferencing services where the participant joins the conference with heterogeneous devices. Thus, the video transcoding essentially required to convert from one format to other as per the codec used in participants device. Live video conference (LVC) service is one among the preferred video streaming service that proliferates on mobile broadband user. LVC can be defined as the real-time exchange of conversational video contents between multiple

Predicting User Preferences on Changing Trends and Innovations Using Sentiment and Personal User Analysis

K. Chidambarathanu and K.L. Shunmuganathan

 $K.\ Chidambarathanu, E-mail:mcthanu@gmail.com\ K.L.\ \bar{S}hunmuganathan$

Abstract--- Social websites available over the internet help users in predicting future events. User preferences over the web are in the form of blogs, textual content, public forum discussion and social media. However reading informal discussions impact the users in the global market. In this paper we have proposed an agent based prediction method which assists the users to make informed transactions. Agents make use of the information available in the social media to make correct decision in the market. Our approach is compared with the traditional human based prediction approach and the results indicate that the classifier based prediction approach produces higher accuracy in terms of prediction compared to the traditional approach. Market window size is set to 30, 60 and 90 days respectively. Keywords---Sentiment Analysis, Prediction, User Preferences, Social Network.

I. INTRODUCTION

Prevalence of web audience poses a wealth of information to the society. The information will be in the form of blogs, micro blogs, textual content, discussion etc [3-4]. Such information is rated using Liker scales or using other schemes such as star or linguistic schemes. The ability of predicting future events and interests is crucial in current scenario. Success of business depends on correct prediction of future events. Therefore the proper way of predicting the people's interests should be encouraged. Social media and internet plays a major role in day-to-day life [6][26]. There are lot of websites and social media available which keep track of each and every user visiting the particular website. This is done to track the individual's preferences. But the major aim is to predict the changing trends and preferences so that each and every industrialist as well as various social platforms can update their view towards the people.

II. RELATEDWORK

Two different technologies are commonly used in recommender systems: information filtering and collaborative filtering [1]. The information filtering approach recommends information based on profiles [9]; these profiles are built by analyzing the content of items that the user accessed and favoured in the past. In contrast, the collaborative filtering approach does not consider the content of items, but uses the opinions of peer users to generate recommendations[10]. In this paper, we focus on developing effective information filtering mechanism for preference recommendation in a large-scale website. A similar system, News Dude [11], reads news to users, supporting a series of feedback options such as "interesting", "not interesting", "I already know this", etc.

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Shailendra Nigam Chief Scientist

> Ref No. SYM/9624/17-HRD March 19, 2018

Dr Y Sukhi Professor, Dept. of Electrical & Electronics Engineerin RMK Engineering College RSM Nagar, Kavaraipettai, Gummudi Poondi Taluk Tiruvallur-601 206 Tamilnadu 9444640731

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- Softcopy (preferably in CD/ DVD in PDF format) of the full paper proceedings of above event should be sent to the undersigned.
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Sub: Request for Account settlement on consumables purchase for CE-6611 Environmental Engineering Laboratory - reg

S. No.	Particulars	Bill No.	Date	Amount (Rs)
1.	Consumables	62/17-18	05.02.2017	9204.00
2.	Hand care Flock-Line Rubber Wet Glove Large	FAABPB1800024362	14.02.2018	168.00
3.	Aquavera Apple Blossom Dish Cleaning Gel 750 ml	FABAC21800000123	13.02.2018	220.00
4.	Hand Sanitizer	FAAHKC1800000529	13.02.2018	200.00
Т	OTAL (Rs.) Nine thousand s	even hundred and ninety	two only	9792.00/-

Amount Received -

Rs. 10,800 /-

Total Expenditure -

Rs. 9,792/-

Balance

Rs. 1,008/-

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Kindly settle the account at the earliest.

Uro.

22/2/18

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Page 181

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R.M.K. ENGINEERING COLLEGE

RSM NAGAR, KAVARAIPETTAI - 601 206

DATE: 23/02/2018

DEPARTMENT OF CIVIL ENGINEERING

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Sub: Request for Account settlement on consumables purchase for CE-8261-Engineering Practices Laboratory- reg

S. No.	Particulars	Bill No.	Date	Amount (Rs)
1.	Consumables(Silver wood)	245	03.02.2018	13104.00
2.	Consumables (Die kutter)	110	22.02.2018	5900
3.	Voucher	Transportation	23.02.2018	4.00
TOTA	AL (Rs.) Nineteen Thousand F	our Hundred and Fou	r Rupees Only	19404

Amount Received -

Rs. 22,800 /-

Total Expenditure -

Rs. 19404/-

Balance

Rs. 3396/-

- Received cash

H. Roden

Balance amount of Rs.3396/- (Three Thousand and Ninety six only) has been settled to accounts department.

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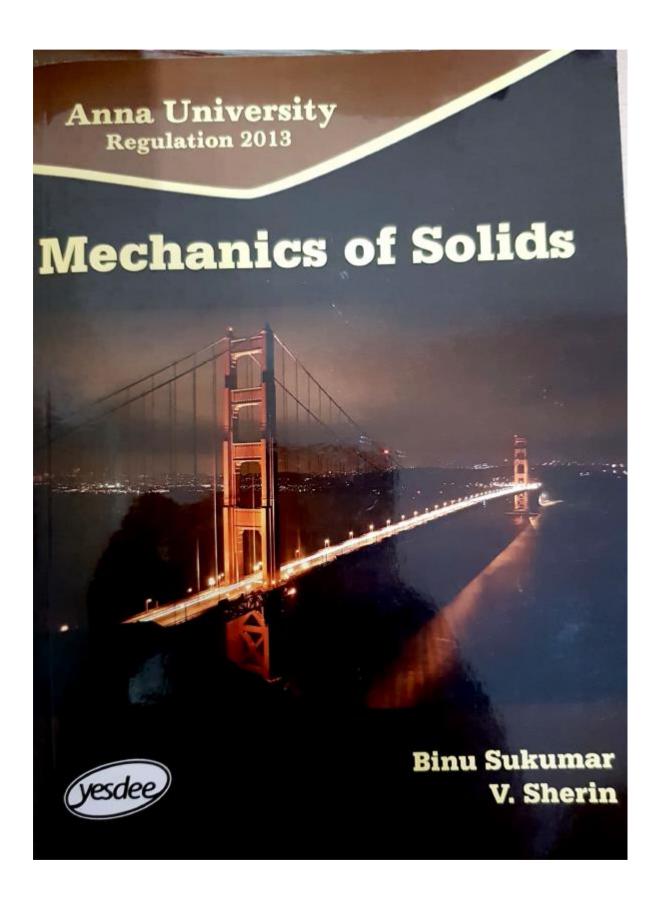
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V. Sherin is Assistant Professor, Department of Civil Engineering, R.M.K. Engineering College, Chennai. She has nearly two years of experience in teaching. She obtained her Masters in Structural Engineering from Mepco Schlenk Engineering College (Autonomous), Sivakasi, Anna University, Chennai. She has secured the Gold Medal in her Masters degree. She has attended several National and International Conferences, Workshops, Faculty Development and Training programs. She is a life member of Indian Concrete Institute (ICI).



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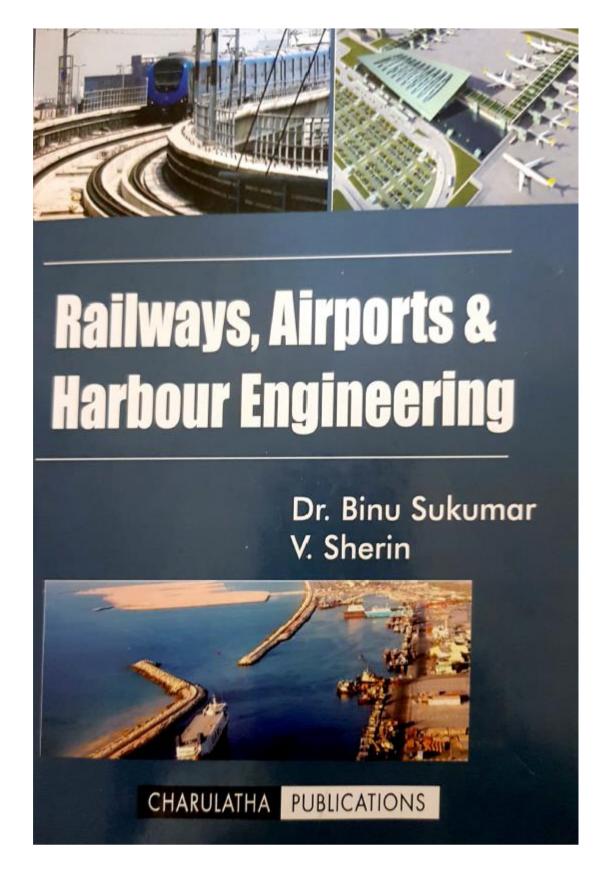
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Dr. Binu Sukumar Professor & Head Department of Civil Engineering R.M.K. Engineering College

Dr. Binu Sukumar has more than 23 years of rich experience in teaching. She has obtained her B. Tech in Civil Engineering, from Govt. College of Engineering, Trivandrum, Kerala University, M.Tech in Structural Engineering from Indian Institute of Technology, Madras and PhD from Anna University, Chennai. She has also held various positions in industry as Trainee Engineer in Kerala State PWD and Site Engineer in Kerala State Nirmithi Kendra. She has guided a number of Under Graduate projects & Post Graduate thesis. She also has many contributions in the National and International Journals. She has attended many International and National Conferences, Seminars and Workshops. She has received so many awards and accolades for excellence teaching in higher Education-2017, best engineering college student's chapter award for the year 2016-17(IEI), Ultra Tech Award 2015 and 2016 for Outstanding Student Chapter of ICI, Tamil Nadu and Construction industry award for excellence in Civil Engineering Education. She is reviewer for many International Journals published by Elsevier and Springer Publishers and has been a member of Editorial Board for International Journal of Advances in Engineering Research & International Journal of Research in Science and Technology. She has been a reviewer for many text books. She is a Recognized Research Supervisor of Anna University. She is the life member of various professional societies like Indian Society for Technical Education (ISTE), Institution of Engineers (I) and Indian Concrete Institute (ICI).



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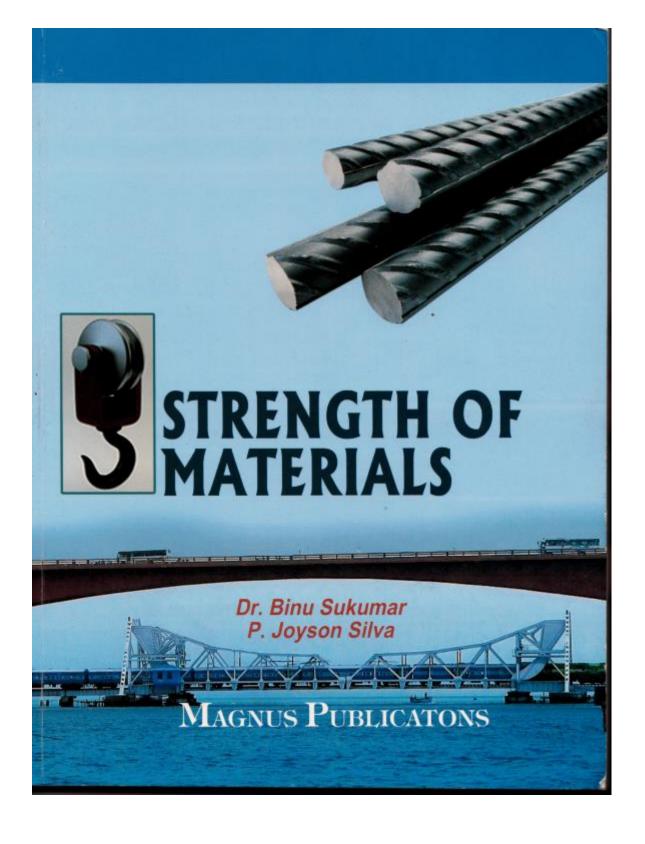
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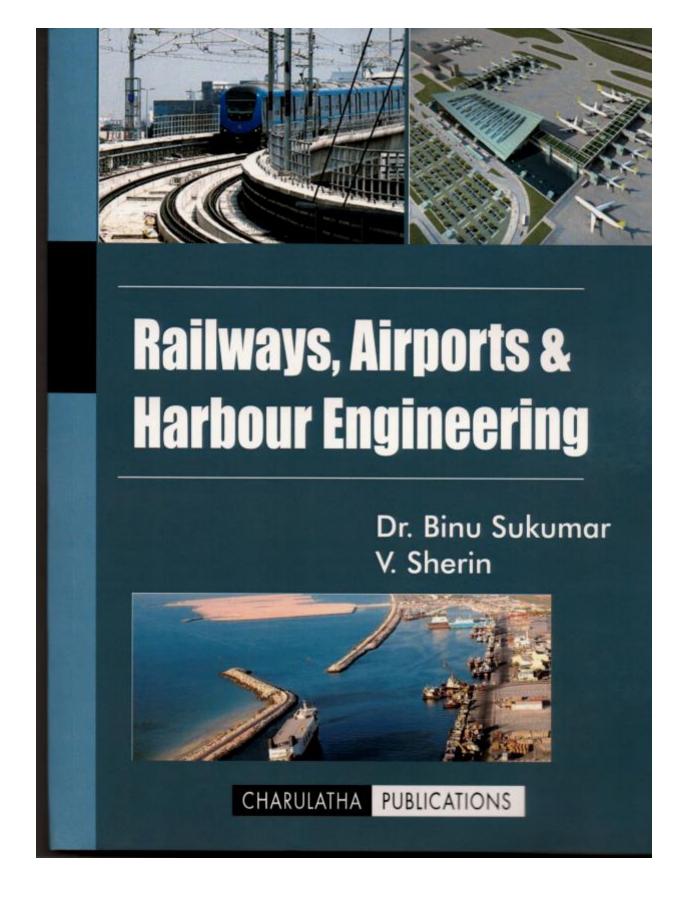
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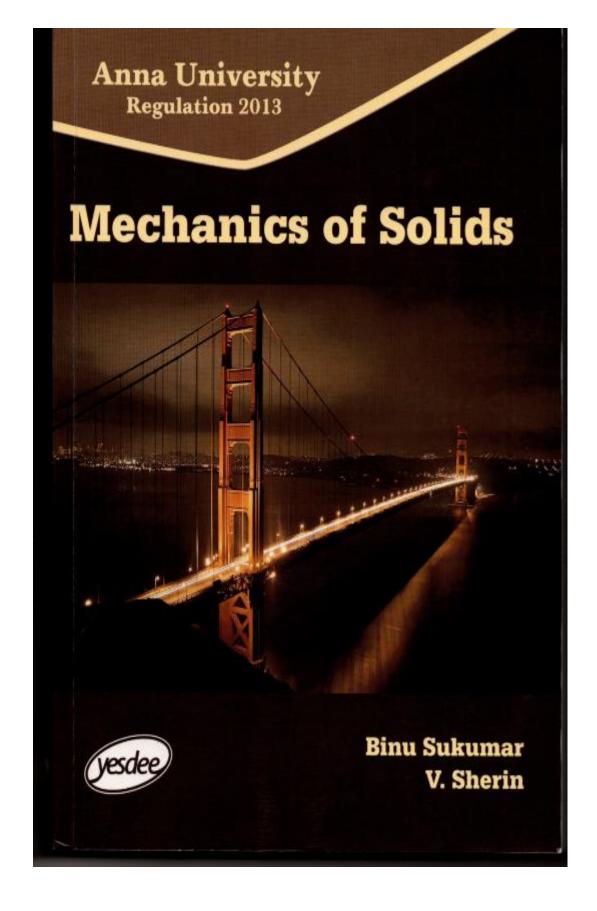
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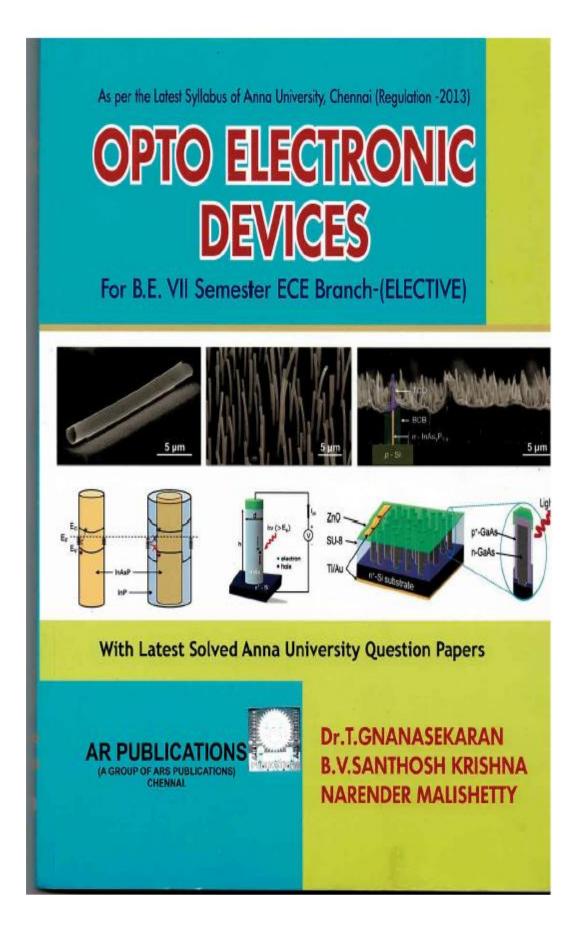
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- To generate realistic and workable ideas for the implementation of OBE
- · To facilitate required changes in the teaching learning methods

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Seminar Hall, Dept. of EEE St. Xavier's Catholic College of Engineering, Chunkankadai, Nagercoil - 3.

ORGANIZING COMMITTEE

CHIEF PATRON

Rev. Fr. Dr. M. Maria William, Correspondent, SXCCE.

PATRON

Dr. S. Joseph Sekhar. Principal, SXCCE.

CO-ORDINATORS

Dr. M. Marsaline Beno, HOD / EEE SXCCE.

Dr. M. Germin Nisba, Associate. Professor / EEE, SXCCE.

IMPORTANT DATES

15-06-2018 Intimation of Selection 16-06-2018



TWO DAY WORKSHOP ON

Onteome Based Education (OBE)

Ellegatissi Enginegang

18th to 19th June 2018

CO-ORDINATORS

Dr. M. MARSALINE BENO Dr. M. GERMIN NISHA





ORGANIZED BY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ST.XAVIER'S
CATHOLIC COLLEGE OF ENGINEERING
(Accredited by MAAC with 'N Grade)
CHUNEANEADAL NAGLECOIL - 620-603
TamilNadu, South India.
Ph.: 04652 232600, 224033, 227003

Signiture of the Applicant Recommended by the Principal

(Signature and Seal)

ADVISORY COMMITTEE

Shri. R. S. Munirathinam, Chairman

Smt. Manjula Munirathinam, Chairperson

Shri. R. Jothi Naidu, Director

Shri. R. M. Kishore, Vice-Chairman

Shri. Yelamanchi Pradeep, Secretary

Dr. Durgadevi Pradeep, Vice-Chairperson

Smt. Sowmya Kishore, Trustee

Dr. M. S. Palanichamy, Advisor

Shri. T. Pitchandi IAS (Retd.), Advisor

Shri. V. Manoharan, Advisor

Dr. K. A. Mohamed Junaid, Principal

Dr. K. Chandrasekaran, Dean

Dr. Elwin Chandra Monie, Dean - Research

Dr. S. Pavai Madheswari, Academic Coordinator

CO-ORDINATOR

Dr. K.Vijaya, Head of the Department/IT

CO CO-ORDINATOR

Mr.K.ChidambaraThanu, Associate Professor

ORGANIZING COMMITTEE

Mr. K. Ponniyun Selvan, Associate Professor

Ms.A.Aarthi, Associate Professor

Ms.B.Prathusha Laxmi, Associate Professor

Ms. S. D. Lalitha, Assistant Professor

Ms. R. Rajitha Jasmine, Assistant Professor

Ms. S. Jhansi Ida, Assistant Professor

Ms. S. A. Angayakanni, Assistant Professor Ms. L. Ancy Geoferla, Assistant Professor

Mr. J. Umamageswaran, Assistant Professor

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Ms. R. Rajitha Jasmine, Assistant Professor

Ms. S. Jhansi Ida, Assistant Professor

Ms. S. A. Angayakanni, Assistant Professor

Ms. L. Ancy Geoferla, Assistant Professor Mr. J. Umamageswaran, Assistant Professor Service Oriented Architecture and Web Service: Concepts, Technologies and Tools

AICTE Sponsored Natio

REGISTRATION FORM

R.M.K. ENGINEERING COLLEGE RSM Nagar, Kayarajoettai, 601 206

Experience :

Phone :

Email

Dr/Mr/Mrs is a employee of our Institution and is permitted to attend the Seminar conducted by R.M.K. Engineering College, Chennai on......

Place : Date :

Signature of Authority with seal

R.M.K. ENGINEERING COLLEGE RSM Nagar, Kavaraipettai. 601 206 Department of Information Technology





AICTE Sponsored National Level Seminar on

Service Oriented Architecture and Web Service: Concepts, Technologies and Tools

REGISTRATION FORM

Full Name :

Registration Category: Academicians /Research Scholar/ From Industries

Address :

employee of our Institution and is permitted to attend the Seminar conducted by R.M.K. Engineering College, Chennai on......

Place : Date :

Signature of Authority with seal



AICTE Sponsored National Level Seminar on

Service Oriented Architecture and Web Service: Concepts, Technologies and Tools

November 24th & 25th, 2017



Co-ordinator: Dr. K. Vijaya Organized by Department of Information Technology





AICTE Sponsored National Level Seminar on

Service Oriented Architecture and Web Service: Concepts, Technologies and Tools

November 24th & 25th, 2017



Co-ordinator: Dr. K. Vijaya
Organized by
Department of Information Technology



R.M.K. Engineering College RSM Nagar, Kavaraipettai. 601 206 Gummidipoondi Taluk,Thiruvallur District Tamilnadu

ADVISORY COMMITTEE

Smt MANJULA MUNIRATHINAM Chairperson

Shri. R.S. MUNIRATHINAM Chairman

Shri. R. JOTHI NAIDU Director

Shri. R.M. KISHORE Vice-Chairman

Shri, YALAMANCHI PRADEEP Secretary

Dr. DURGADEVI PRADEEP Vice-Chairperson

Smt. SOWMYA KISHORE Management Trustee

Shri, T. PITCHANDI, I.A.S. (Rtd.) Advisor

Dr. M.S. PALANICHAMY Advisor

Shri, V. MANOHARAN Advisor

Dr. K. CHANDRASEKARAN Dean

Dr. ELWIN CHANDRA MONIE Dean - Research

Dr. K.A. MOHAMED JUNAID Principal

Dr. S. PAVAI MADHESWARI Academic Coordinator

Dr. BINU SUKUMAR Prof. & Head, CE

Co - ORDINATORS

Dr. M. USHA RANI

Ms. A. HEMAMATHI Professor, Dept. of Civil Engg. Assistant Professor, Dept. of Civil Engg.



DEPARTMENT OF CIVIL ENGINEERING

Presents



8 National Conference on

LATEST ADVANCEMENTS IN CIVIL ENGINEERING

LACE - 2018

17th May 2018



In association with







The Management, Principal, Staff and Students of PROGRAMME SCHEDULE the Department of Civil Engineering cordially invite you to the inauguration of 9.00 am Invocation Eighth National Conference on 9.05 am Lighting the Kuthuvilakku LATEST ADVANCEMENTS IN CIVIL ENGINEERING 9.08 am. Welcome Address LACE - 2018 9.10 am About the conference and at 9.00 a.m. on Thursday 17" May 2018 Introduction of the Chief Guest Honoring the Chief Guest 9.15 am Mr. N. SRINIVASAN Release of Proceedings 9.20 am Regional Manager, PERI India Pvt Ltd., Chennai delivers the Inaugural Address 9.25 am **Felicitations** Dr. M.S. PALANICHAMY 9.35 am Presidential Address by Chairman Former Vice-Chairman, TNSCTE & Former Vice Chancellor, TNOU 9.45 am Inaugural Address by Chief Guest Shri. T. PITCHANDI, I.A.S. (Rtd.) 10.00 am Vote of Thanks Adviser 10.05 am National Anthem Shri, V. MANOHARAN Advisor 10.10 am - 10.20 am Tea Break Shri, R.M. KISHORE 10.20 am - 12.50 am Forenoon Sessions Vice-Chairman. 12.50 am - 01.20 pm Lunch Break Shri, YALAMANCHI PRADEEP Afternoon Sessions 1.20 pm - 2.45 pm Secretary 2.45 pm - 3.00 pm Valedictory Function felicitate Shri, R.S. MUNIRATHINAM Venue: RJ Block First Floor Seminar Hall Founder - Chairman presides



K VIJAYA

for his/her instrumental role as SPOC for the NPTEL Local Chapter



RMK ENGINEERING COLLEGE

TIRUVALLUR, TAMIL NADU

rated



based on performance in NPTEL Online Certification courses July - December 2017 B- Ne

PROF. BHASKAR RAMAMURTHI Chairman, NPTEL PIC Director, IIT Madras



Rating of NPTEL Local Chapters : AAA - 10; AA - 40; A - 50







March 201





Grand Fir 30th and March 21

SOFTWARE

Mentor

This Certificate is awarded to

Dr. Viyaya . K

of team green Dots

for participating in

'Smart India Hackathon, 2018'.

Shri R. Subramanyam

Hon'ble Secretary, MHRD

Prof. Dileep Malkhede

Advisor, AICTE & Executive Secretary, Smart India Hackathon 2018

Dr. Anil D. Sahasrabudhe

Chairman, AICTE Chairman, Organizing Committee, Smart India Hackarhon 2018

gantalel

Dr. Arun Jamkar

President, i4C

Shri Vinay Sahasrabuddhe

Vice Chairman, Rlambhau Mhalgi Prabochini Patron, Smart India Hackethon 2018

Dr. Abhay Jere

Organizing Secretary. Smart India Hackathon 2018

Dr. Anand Deshpande

Chairman and MD, Persistent Systems Co-Chairman, Organizing Committee, Smart India Hackathon 2018

Principal Secretaty (Trg. & Tech. Government of NCT of Delh

Prof. Dr Tanuja Manoj Nesar

Director, All India Institute of Ayurveda New Delhi

Chandler Shering

Dr. Chander Shekhar

Nodal Officer

















































CERTIFICATE

Mentor

This Certificate is awarded to

S.D. Lalitha

of team Kalam Dream

for participating in

'Smart India Hackathon, 2018'.

Shri R. Subramanyam

Hon'ble Secretary, MHRD

Prof. Dileep Malkhede

Advisor, AICTE & Executive Secretary, Smart India Hadiathon 2018

Dr. Anil D. Sahasrabudhe

Chairman, AICTE Chairman, Organizing Committee, Smart India Hadkathon 2018

GAIDEREL

Dr. Arun Jamkar

President, 4C

Shri Vinay Sahasrabuddhe

Vice Chairman, Rambhau Mhalgi Prabodhini Patron, Smart India Hadkathon 2018

Dr. Albhay Jere

Organizing Secretary, Smart India Hackathon 2018

Dr. Anand Deshpande

Chairman and MD, Persistent Systems Co-Chairman, Organizing Committee, Smart India Hackathon 2018

Nodal Officer Additional Director General, Press Information Bureau, Ministry of Information & Broadcasting

















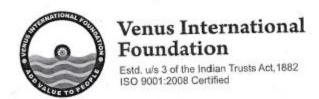












Center for Advanced Research and Design

The Board of Management of the Venus International Foundation based on the VIFA 2018 Expert Committee Report and Apex Committee Recommendations hereby makes known that

> Dr. Binu Sukumar RMK Engineering College, Chennai, India

has been conferred upon the award of



D-ENNC2767

Distinguished Faculty in Engineering

for the contribution and achievement in the field of

Civil Engineering

Given under the seal of the Foundation



R. Sothish Junes

Dated - 07th July 2018 | Chennai-600088, Tamil Nadu, India.

YOUTH RED CROSS (YRC)

OFFICE BEARERS

Chief Patron : Shri.R.S.Munirathinam, Founder-Chairman, R.M.K. Group of

Institutions

Honorary Patron :Shri. R.M.Kishore, Vice-Chairman, R.M.K. Group of Institutions

Patron :Dr.K. A. Mohamed Junaid , Principal, R.M.K. Engineering College

Program Officer :Dr. T. R. K.Kumar, Associate Professor, R.M.K. Engineering

College

BACKGROUND and RATIONALE

Red as a sign of warning is particularly relevant in the context of impressionable youth. At an age when sex is an adventure, an exploration of intrinsic desire, the thought of danger is far, far away. Yet, it is this group, defined by curiosity and boldness that is extremely vulnerable to AIDS. Youth is a nation's future. They are the trendsetters, the leading lights of every home and therefore very influential. Target them and you target the nation.

The YRC Program is a voluntary on-campus intervention, aimed at Heightening risk perception and preventing HIV among youth. YRC Clubs has become a powerful medium to reach out to young people. Spearheaded by **TAMIL NADU STATE AIDS CONTROL SOCIETY** (TANSACS), it is supported by the Higher Education Department, with technical assistance from the Centers for Disease Control and Prevention (CDC), Atlanta, USA, demonstrating the importance of inter-sector collaboration in addressing the issue of HIV/AIDS. YRCs empower students in the age group of 17-25, by giving them information and life skills to protect themselves from HIV/AIDS and transforming the most active among them into peer educators.

OBJECTIVE

YRC activities are aimed towards five specific targets.

- Opening up a discussion or sexual behavior change among youth.
- Identifying youth in the high- risk category on campus and transform their behavior.
- Increasing the perception of risky activities in the youth.
- Creating of peer educators.
- Reaching out to non-RRC youth, non-collegiate youth and the general public.

STRATEGIES

YRC employs a variety of strategies:

- Awareness campaigns;
- Interactions with positive people;
- Peer education and leadership trainings.

IMPLEMENTATION

For YRC members almost all work is play! They interact within as well as outside their campus. The programmes include exposure visits, awareness campaigns, public meetings, intra and inter-university competitions, cultural programmes, (folk art, street plays,etc.),debates, workshops, seminars, exhibitions, rallies, road shows, use of local cables(talk shows, phone-ins etc.),news letters and, of course, training on leadership and communication skills.

The YRC members are encouraged to develop various information materials like CDs, poster messages, Video on Wheels, wall paintings, radio jingles and identify and use any other media vehicle they may find appropriate giving vent to individual thinking and creativity.

ACTIVITIES

- RMK Engineering College has a Youth Red Cross (YRC) unit with strength of 200 students. Every
 year the YRC unit conducts many social awareness programmes for the students and other
 philanthropic activities.
- These programmes pave way for the students to understand their social responsibilities. Personality development programmes are also conducted for the benefit of the students.
- YRC unit of RMK Engineering College conducted a blood donation camp on 14th June 2014. Doctors
 and officials from RIGHT Hospital who had consented to the blood donation camp conducted it
 successfully. Our students voluntarily donated 168 units of blood.
- YRC unit of RMK Engineering College conducted a blood donation camp on 13th August 2014.
 Doctors and officials from RIGHT Hospital who had consented to the blood donation camp conducted it successfully. Our students voluntarily donated 297 units of blood.
- Indian Red Cross Society had honored our RMKEC with a **CERTIFICATE OF APPRECIATION-2014** at "65th Anniversary of Geneva Conventions Celebration" for our best performance in youth Red cross movement at University of Madras on 6th January 2015.
- YRC unit of RMK Engineering College conducted a blood donation camp on 12th February 2015.
 Doctors and officials from RIGHT Hospital who had consented to the blood donation camp conducted it successfully. Our students voluntarily donated 203 units of blood.
- YRC unit of RMK Engineering College conducted a blood donation camp on 29th August 2015.
 Doctors and officials from RIGHT Hospital who had consented to the blood donation camp conducted it successfully. Our students voluntarily donated 203 units of blood.
- YRC unit of RMK Engineering College conducted a blood donation camp on 5th January 2017.
 Doctors and officials from RIGHT Hospitals, Chennai who had consented to the blood donation camp conducted it successfully. Our students voluntarily donated 228 units of blood
- YRC has proposed to conduct AIDS awareness programme in the surrounding villages of our college the future.
- YRC has proposed to conduct blue whale game awareness programme for first year students of RMK Engineering college.
- YRC unit of RMK Engineering College conducted a blood donation camp on 2nd February 2018.
 Doctors and officials from RIGHT Hospitals, Chennai who had consented to the blood donation camp conducted it successfully. Our students voluntarily donated 1650 units of blood

Programme officer Principal

R. M. K. Engineering College





SEED BALL PREPARATION: (ECO CLUB)





SCIENCE PROJECT:











SOCIAL RESPONSIBILITIES







ANNEXURE -B-V

Student Support and Progression

Students' Academic Performance & Activities in Cultural/Technical/Non Technical, Workshops, Symposium Events

V-A Cumulative Result Analysis Format



R.M.K. ENGINEERING COLLEGE University Examination Result Analysis _ Nov 2017 - 2018 Odd Semester _ RW



OMCH _ 2014 - 2018

	Aca	idemic Year : 2017-18	War and the same a	Sem	ester N	9:7		Bran	ch : MEC	HANICAL	ENGG.		Sec	ction : A	8.8
	Subject			Numb	er of Stud	lents			% of Par	18		Short	No. of	110000	Previous
St.No.	Code	Name of the Subject	Name of the Faculty	Appeared	Absent	Passed	Test 1	Test 2	Model	- 0	iliv,	First	students failed only	240	200
				Appeares	Nosem	rassed	1 696 1	Test 2	Model	BIR	AR	Class	in this sub	CY-1	CV-2
1	GE6757	Total Quality Management	Mr. C.Jayabalan, Mr. R.L.Sankarial	142	0	137	83.80	16.90	11.97	95.07	96.48	64.8	2	93.9	96.1
2	ME6701	Power Plant Engineering	Dr. R.Sureshkumar Mr. C.Jayabalan	141	1	137	85.21	50.00	42.96	95.77	96.48	69.5	2	96.8	95.1
3	ME6702	Mechatronics	Mr. S. Rajesh - 2	142	0	140	68.31	16.90	50.70	95.07	98.59	51.4	1	95.7	88.3
4	ME6703	Computer Integrated Manufacturing Systems	Mr. C. Kaliraj - 2	141	2	128	88.73	20.42	54.93	87.32	90.14	50.7	9	91.0	94.0
5	ME6005	Process Planning & Cost Estimation (Elective-II)	Mr.M.Mudhukrishnan Mr. K.Muralidharan	142	0	139	76.06	35.21	27.46	95.07	97.89	54.2	9	94.6	96.8
ń	ME6012	Maintenance Engineering (Elective- III)	Mr. K. Sengottaiyan Mr. N.Mohanraj	142	0	140	60.56	21.13	43.66	98.59	98.59	66.2	2		
7	ME6711	Simulation & Analysis laboratory	Mr. M.Mudhukrishnan Mr. P. Ramesh	142	0	142	*	*		100.0	100.0	99.3	88	100.0	99.6
8	ME6712	Mechatronics laboratory	Mr.P.Durai Murugan Mr. K.Muralidharan	142	0	142		20		100.0	100.0	100.0	2.5	100.0	99.6
9	ME6713	Comprehension	Mr.V.Charles raj, Mr.S.D.Sekar	142	0	142	*	- 83		100.0	100.0	100.0		100.0	100.0
		K	Overall	142	200	120	43.66	2.82	4.23	76.76	84.51		16	83.51	84.81

Note: CY-Current Year the filled from is to be submitted after each test/ model and university examinations

	CLASS TOPPERS										
Rank	Reg. No / Sec	Name	16								
17	111714114025 / A	DINESH KUMAR V	8.57								
1	111714114057 / A	NAVEEN K	8.57								
.03	111714114087 / B	SARAVANAN D	8.57								
1	111714114111 / B	VENATI BALAKRISHNA REDDY	8.57								

 Ko of Students
 66
 76
 93
 11
 38
 3
 139

 No of Pass
 63
 57
 80
 9
 31
 3
 117

 % of Pass
 95.45
 75.00
 86.02
 81.82
 81.58
 100.0
 84.17

DATE: 22.03.2018

Class In charge

R.M.K. ENGINEERING COLLEGE DEPARTMENT OF MECHANICAL ENGINEERING

PLACEMENT DETAILS (2014-2018)

S.NO REG NO		NAME	CGPA	MOBILE NUMBER	PLACEMENT	
1	111714114001	ADITYA SUR	8.16	8056956390	Infosys	
2	111714114003	AJITH KUMAR J	8.01	9597320566	Infosys	
3	111714114008	ARAVIND BABU C	7.48	8610897986	Byju's	
4	111714114012	ASHWIN S	8.30	9003959382	Infosys	
5	111714114014	BAALAJE S V	6.66	9944299432	Infosys	
6	111714114024	DINESH B	7.74	7094172535	TCS-PLM	
7	111714114025	DINESH KUMAR V	8.68	9942143227	SL Lumax Ltd.	
8	111714114027	ENIYAN K	7.34	9843637689	Infosys	
9	111714114035	IYYAPPAN A S	7.62	7402663640	Sutherland Ltd	
10	111714114045	KISHORE B	6.99	7867071973	Eagle Bergman Ltd	
11	111714114049	KUMARAN C	7.83	7358164254	Infosys	
12	111714114050	LOKESH BABU T G	8.79	8.79 9003167627		
13	111714114054	MOHAN PRABHU N	8.59	8608308087	TCS - PLM	
14	111714114055	MOHAN RAJ V	8.59	9600530426	Infosys	
15	111714114056	MUTHUKUMARAN P	8.63	9092913453	SE Lumax Ltd.	
16	111714114060	NIRMALA V	8.26			
17	111714114061	NITHIN ABINAV A S	8.68	9840913312	Infosys	
18	111714114075	RAVISHANKAR J	7.70	7502506614	HCL	
19	111714114080	SABARI RAJ S	7.98	9043965338	Infosys, TCS - PLN	
20	111714114083	SANJAY B S	7.09	8939263865	Infosys	
21	111714114085	SANKAR A N	8.16	9159794455	HCL	
22	111714114087	SARAVANAN D	8.09	8056247232	VKC Food Print	
23	111714114090	SHARANNATH R	7.44	9444957313	Infosys	
24	111714114098	SURYA KRISHNA S	7.27	9629112455	Sutherland Ltd	
25	111714114099	SYED YUSUF ASFAR S M	8.54	9444289881	Wipro, Infosys	
26	111714114101	TAMILSELVI S A	8.49	9444517137	VKC Food Print	
27	111714114103	TEPPA MUNI NAGA SAI SRINIVAS	8.18	9491991560	HCL	
28	111714114106	UDAYA PRAKASH P	7.93	7373131011	Sutherland Ltd	
29	111714114108	VAIBHAV M	8.16	9941219173	TURBO Energy	

PLACEMENT COORDINATOR

HOD No





R.M.K. ENGINEERING COLLEGE

University Examination Result Analysis _ Nov 2017 - 2018 Odd Semester _ RW



Batch _ 2016 - 2020

Academic Year: 2017-18

Semester No : 3

Branch: NECHANICAL ENGG.

inction: A R.R.C.

_			Appeared About Passed Text Text Model BR AR	GG. Section: A,B &											
ILNo.	Subject	Name of the Subject	z. Arzen	Numb	er of Stud	feets			% of Pa	11		Not	N.C	1000	Previou
	Code	traine or the Seplect	Name of the Faculty	Appeared	Absent	Passed	Tett	Test 2	Model	- 0	ris.	First	students follotioncy		
-		- 7 10 70-1		18			72.7	10000		BR.	AR	Class	in filtrade	614	Ct-5
1	MA6351	Transforms and Partial Differential Equations	The second second second section and based	143	0	133	55.24	57.34	52.45	91,61	93.01	45.5	1	92.1	88.8
2	ME 6301	Engineering Thermodynamics		143	0	131	46.85	58.04	32.87	90.91	91.61	55.2	1	95.0	92.3
3	ME 6302	Manufacturing Technology - I		142	1	134	65.03	73.43	54.55	93.01	93.71	37.3	1	94.3	95.8
4	CE 6306	Strength of Materials	Dr. S.Sambath, Dr. V.Sivakumar, Mr.S.D.Sekur	143	0	138	65.03	73.43	68.53	94,41	96.50	76.9		99.3	97.2
\$	CE 6451	Fluid Mechanics and Machinery	Mr. M. Poerra Kemar, Mr.P. Durai Merugan, Dr. V. Sivakumar	143	0	123	58.74	73.43	53.15	77,62	86.01	4.2	7	95.4	97.2
6	EE 6351	Electrical Drives and Controls	Mr. P.Arund-Z, Mr.M.Ganesan	142	1	132	67.83	73.05	65.73	89.51	92.31	55.6		MI	
7	ME 6311	Manufacturing Technology Laboratory - I	Or SSeebyth, Dr. A.Kielinvel Mr. Clayabalus	143	0	143				100.0	100.0	99.3		95.7	96.5
8	CE 6461	Fixed Mechanics and Machinery Laboratory	PER Poorus Korsar Mr. V. Svakumar, Mr. P. Chicanjoevalu	143	0	143	4	,		100.0	100.0	90.9		100.0	100.0
9	EE 6365	Electrical Engineering Laboratory	Mr.P. Anand , Mr.M. Ganesan	143	0	143	×			100.0	100.0	19.3		100.0	100.0
			Overall	143		117	31.47	42.66	25.87	70.63	81.82		10	85.71	7,7500

Nate: CV-Current Year the filled from is to be submitted after each test model and university examinations

CLASS TOPPERS									
lask	Reg. No / Sec	Name							
1	111716114111 /C	VIGNESH K	9.27						
11	111716114110 /C	VELMURUGAN N	9.12						
m	111716114001 / A	AAKASH RAM C	9.08						

	GOVT	MGT	DAYS	HOST	OH	CIRLS	BOTS
No of Students	67	75	94	41	7	0	143
No of Pass	63	54	79	30	7	0	117
% of Pass	94.03	72.00	84.04	73.17	100.0	0.0	

Overall Pass % for Mechanical Engineering Department - 117 + 122 + 120 = 359 / 423 = 84.86 %

DATE: 22.03.2018

Class in-charge / Year coordinator



V-C Students Co curricular activities

RMK Engineering College is the Nodal Center for Grand Finale of SMART INDIA HACKATHON for Ministry of Housing and Urban Affairs (one of the 28 Nodal Centers Across India) held on March 30 & 31, 2018





A six member team Oscillix from ECE department participated in the grand finale of Smart India Hackathon 2018 (SIH) software edition under the Ministry of Department of Defense (DoD) at Bengaluru SVCE and bagged the 2nd runner-up amongst 64 teams and was awarded a cash prize of Rs 50,000

V-D Participation in Sports meets



Secured Second Position - Volleyball-State level Inter Engg.Collegiate - Aug 2017



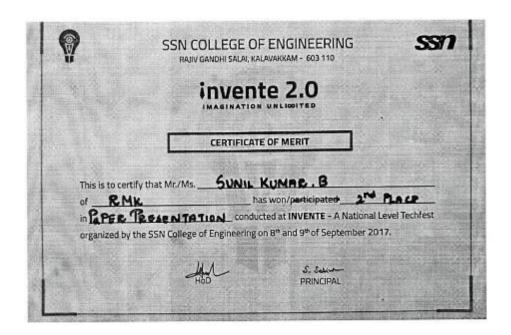
Secured II Place in Ball Badminton - Anna University Zone one On Sep 2017



Secured II nd Place in Football-Anna University Zone One

V-E Co-Curricular activities of the Students – Sample Certificates













Certificate of Participation

This is to certify that Ranadheen G of RMK Engineering College.

has participated in Advanced Excel/Advanced Origin/ImageJ/Patent writing and Copyright workshop at Research Conclave'18, organized by Students' Academic Board, Indian Institute of Technology Guwahati, India.

Chairman Students' Academic Board Faculty Convener

Faculty Co-Convener Research Conclave'18 Prince Kuma Bonarial. Student Convener



SRM Institute of Science and Technology Vadapalani campus Department of Mechanical Engineering

Department of Mechanical Engineering National Conference

on

ELECTRIC MOBILITY

... Opportunities and Challenges Organized in association with

National Institution for Quality and Reliability Certificate of Appreciation

Shri. K. Marikandan Chairman — NIQR

Dr. S. Karthikeyan

HAPPY FORGINGS LIMITED SCHOOL

Dr. K. Duraivelu Dean (E&T)



NATIONAL PRODUCTIVITY COUNCIL (NPC)

(Under Ministry of Commerce and Industry, Government of India)

Dr. Ambedkar Institute of Productivity (AIP), Chennai

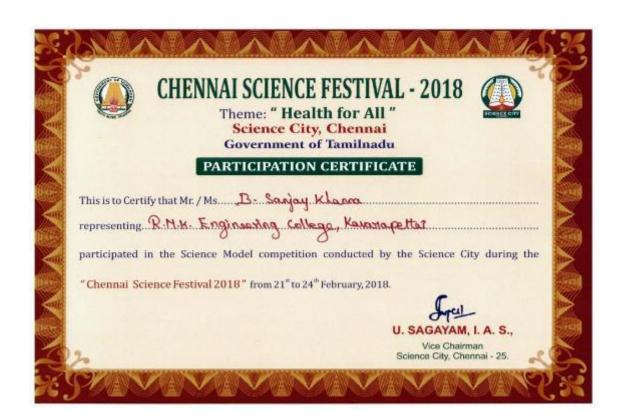
CERTIFICATE

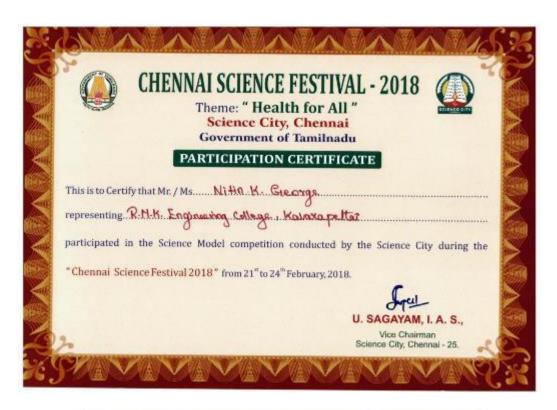
This is to certify that Mr. RAHUL R., BE (Mech. Engg.) – II Year, R.M.K Engineering College has secured FIRST prize in the inter-college level essay competition conducted by NPC, Chennai on the theme "Industry 4.0 - Leapfrog Opportunity for India", as a part of Productivity Week Celebrations – 2018.

Date: 16th February 2018

27

Head (AIP)









The Institution of Engineers(India)







R.M.K. ENGINEERING COLLEGE

R.S.M. Nagar, Kavaraipettai-601206



20

ENGINEERING PROJECT EXPO-2018

CERTIFICATE OF APPRECIATION

Th	is certificate of Appreciation is presen	ted to	Mr/N	s Surha	REHAM	L.R.			
of	MYEAR MECH.	for	the	remarkable	efforts	in	the	project	titled
	UN CONVENTIONAL POWER	. 9	E.N.E	RATION	in	the	Engi	neering	Project
Ex	po conducted by The Institution of En	ainee	rs (Ind	ia) RMKEC Stu	dents' Ch	apte	r on 2	ist Marc	h 2018.



PRINCIPAL



CHAIRMAN







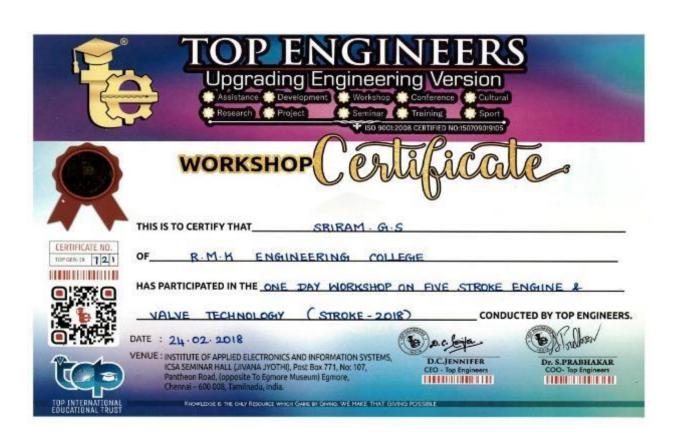
Certificate of Larticipation

This is to certify that

Mr. / Ms.		NIRANJAN . 1	3. N
of	RMK	ENGINEERING	COLLEGE
has p	participated	d in the Automati	on and Safety workshop
cond	lucted by 1-	lyundai Motor In	dia Limited as a part of
Indcon 2	018 at Coll	lege of Engineerin	ig Guindy, Anna University
		on March 2, 2	2018.

Dr. T. RAMESH BABU President, SIE











Certificate of Participation

This is to certify that

S. Raja Sabasinath
from RMK Engineering College, Chennai
has participated in International Series of Karting, 2018 conducted by Mean Metal Motors Pvt. Ltd. under the aegis of FMSCI held from 26th February 2018

to 1st March 2018.







Thirumalai Chemicals Ltd, Ranipet ENERGY CONSERVATION FESTIVAL

This is to certify that Mr./Ms. . P. Muthumumaran .. from .. R.M.K. Engineering College has successfully participated in the Paper Presentation on "Energy Conservation"

Date: 20.12.2017

Executive Director - (Mfg. & Projects)











Certificate of Appreciation

Presented to

Hema Kumaran A

RMK Engineering College, Thiruvallur

In recognition of stellar efforts made towards reaching out to school students in rural India, in the interest of a unified and empowered student community.

Ullas Confluence 2018

Meet. Inspire. Grow.













	_		Yr/			
	Reg no	Name	Sec	Institute	Event Name	Prize
1.	111715114081	RANADHEER G	III B	Institution of Engineers	Paper Presentation	First Prize
2.	111715114081	RANADHEER G	III B	SSN COLLEGE OF ENGG	Paper Presentation	Second Prize
3.	111715114081	RANADHEER G	III B	MIT	Paper Presentation	First Prize
4.	111715114081	RANADHEER G	III B	MIT	Idea Presentation	First Prize
5.	111715114081	RANADHEER G	III B	IIT,GUWAHATI	Best Oral Presentation	First Prize
6.	111715114084	SAI VENKAT RAMANAN R	III B	MIT	Paper Presentation	First Prize
7.	111715114084	SAI VENKAT RAMANAN R	III B	MIT	Idea Presentation	First Prize
8.	111715114084	SAI VENKAT RAMANAN R	III B	Institution of Engineers	Paper Presentation	First Prize
9.	111715114084	SAI VENKAT RAMANAN R	III B	SSN COLLEGE OF ENGG	Paper Presentation	Second Prize
10.	111715114099	SUNIL KUMAR B	III B	MIT	Paper Presentation	First Prize
11.	111715114099	SUNIL KUMAR B	III B	MIT	Idea Presentation	First Prize
12.	111715114099	SUNIL KUMAR B	III B	Institution of Engineers	Paper Presentation	First Prize
13.	111715114099	SUNIL KUMAR B	III B	IIT,GUWAHATI	Best Oral Presentation	First Prize
14.	111715114099	SUNIL KUMAR B	III B	SSN COLLEGE OF ENGG	Paper Presentation	Second Prize
15.	111714114050	KARTHIKEYAN A	IV A	VELAMMAL ENGG COLLEGE	Mechsurements	First Prize
16.	111714114040	LOKESH BABU T G	IV A	VELAMMAL ENGG COLLEGE	Mechsurements	First Prize
17.	111716114052	LAKSHMIPATHI K	II B	S R M ,VADAPALANI	Paper Presentation	Third Prize
18.	111716114086	RANJITH KUMAR R	II C	S R M ,VADAPALANI	Paper Presentation	Third Prize
19.	111716114110	VELMURUGAN N	II C	S R M ,VADAPALANI	Paper Presentation	Third Prize
20.	111716114083	RAHUL R	II C	National Productivity Council	Essay Writing	First Prize

ANNEXURE -B-VI



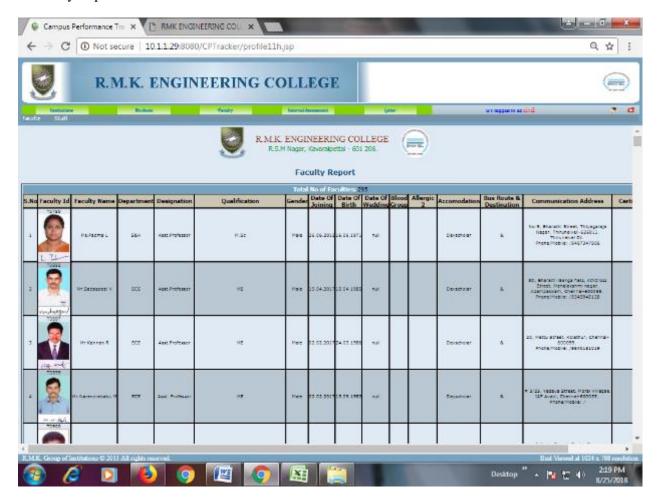
2. Students Details



3. Students personal report



4. Faculty Report



udents Participation in Technical & Non Tech Events



R.S.M. NAGAR, Kavaraipettai - 601 206



Performance of Faculty - 2017-18

Department:

1. Faculty Name : Mr. P. RAMSHANKAR

2. Designation : Assistant Professor RMKEC

3. Experience :4 Years 11 Months

Others : Industry Experiences – 2 Years

4. Academic Performance in Previous years:

Academic	Odd			Even		
Year	Subject Name	% Pass	Feed Back	Subject Name	% Pass	Feed Back
2017-18	Estimation & Quantity Surveying	83.82	81.84	Design of RC & Brick Masonry		
(ODD only)	Estimation & Quantity Surveying	82.09	83.19	Concrete Technology		
2016-17	Estimation & Quantity Surveying	92.42	87.52	Design of RC & Brick Masonry	75.00	77.53
2010-17	Estimation & Quantity Surveying	92.42	89.94	Construction Materials	95.56	81.43
2015-16	Estimation & Quantity Surveying	84.06	71.67	Engineering Economics and Cost Analysis	95.65	73.67
	Highway Engineering	80.88	69.60	Construction Materials	95.56	64.22
2014-15	Estimation & Quantity Surveying	92.42	83.35	Engineering Economics and Cost Analysis	96.97	81.26
	Railways, Airport, Docks and Harbour	94.20	83.04	Construction Materials	88.37	87.49

5. Patents /Journal publications

• Applied Patent for the Project titled "READY MIX PAINT AND RMP DISPENSER".

6. Sponsored projects Applied / Granted

• Applied for IEDC Sponsored Project titled "**Hydraulic Mortar Dispenser**" for a grant of Rs. 2 lakhs.

7. Seminars / Workshops/FDP/Industry Training: attended or organized

- 1) Attended AICTE sponsored seminar on "Training Programme under Emeritus Professor Fellowship Scheme on Civil Engineering and Structural Engineering" organized by RMK Engineering College during 21st to 23rd Dec 2017.
- 2) Attended six days training on "Concrete and Formwork" at L&T skill development centre, Kanchipuram during 21st to 26th Nov 2017 as a part of COE training in collaboration with L&T Constructions.
- 3) Attended Two days National Workshop on "**Formwork Engineering**" at Mahendra Engineering College jointly organized with L&T constructions on 14th& 15th July 2017.

8. Contribution to the Department

- 1) AU/ AICTE Affiliation Coordinator
- 2) Department Website Coordinator
- 3) Consultancy Incharge.
- 4) Department Workshop Coordinator.
- 5) Lab Incharge Concrete and Highway Engineering Laboratory.
- 6) Criteria 6 Incharge.
- 7) Class Advisor.
- 8) Class Counselor.

9. Contribution to the College

- 1) Annual Day Coordinator
- 2) Magazine Committee Coordinator
- 3) Member of organizing Committee for SIH 2018.
- 4) Member of Book distributing committee for First year Induction Programme.
- 5) Member of Registration committee & Student welfare committee for Graduation Day.

10. Any other Specific information

- 1) Completed an Online Certification course on Fundamentals of GIS in Coursera.
- Completed an Online Certification course on GIS Data Formats, Design and Quality in Coursera.
- 3) Completed an Online Certification course on Geospatial and Environmental Analysis in Coursera.

:

11. Remarks by HoD

12. Recommendation by Principal

H₀D Principal

R.S.M. Nagar, Kavaraipettai – 601 206

Sl. NO.	Name	Designation
1.	Dr. K.A. Mohamed Junaid, Principal	Academic Council Member
2.	Dr. K. Chandrasekaran, Dean	Syndicate Member, Senate Member, IIIT D&M Kanchipuram
3.	Dr. K.R. Senthil Kumar, HoD-MECH	Syllabus Committee Member
4.	Dr. S.Sambath, ProfMECH	Syllabus Committee
5.	Dr. P. Kavitha, Assoc. Prof EIE	Syllabus Committee member
6.	Dr. R. Sivakumar, HoD-ECE	Board of Studies Member
7.	Dr. D. Ebenezer, Prof. –ECE	Syllabus Committee member
8.	Dr. Sandra Johnson, ProfIT	Syllabus Committee member
9.	Dr. M. Usha Rani, ProfCE	Syllabus Committee member
10.	Dr. Elwin Chandra Monie, Professor -ECE	Academic Council Member, Board of Studies Member

17 Fwd: 3rd MEETING OF THE ACADEMIC COUNCIL OF IIITDM KURNOOL - REG. - hod.mech@rmlec.ac.in - R.M.K. Engineering College Mail

Fwd: 3rd MEETING OF THE ACADEMIC COUNCIL OF IIITDM KURNOOL - REG.



Chandrasekaran Kesavan

to me

12:29 (24 minutes ago)

The last notice of Acadmic Council Meeting

Forwarded message

From: Director IIITDM <a href="mailto:simble-section-sectio

Cc: eswaramoorthykvõpiitk.ac.in. satyasekhanõbiitk.ac.in, Granemoorthy R <gmoorthyiõjiildm.ac.in>

No. F. AC/IIITDM K/2017

Dear Sir.

The 3rd Meeting of the Academic Council of Indian Institute of Information Technology, Design and Manufacturing, Kurnool (IIITDM Kurnool) is scheduled to be held as given below:

Date: :

18 July 2017 (Tuesday) 3.00 P.M.

Time : Venue :

Conference Hall, Taramani Guest House, ITT Madras, Chennai - 600 036.

The agenda for the meeting is enclosed herewith.

Kindly make it convenient to attend the meeting and intimate about your transportation requirement to enable us to make necessary

With warm regards,

Sincerely yours,

*Sd/-

Prof. R. Gnanamoorthy Mentor Director, IIITDM Kumool

COL 3rd AC_Agenda_Kurnool.pd 219 KB

https://mail.com/e-com/mail/ku/Uttinhow/15e2rca2f3798617

4/4



GOVERNOR'S SECRETARIAT RAJ BHAVAN CHENNAI - 600 022.

· ¿

Phone: (044) 22351313 Fax: (044) 22350570

Letter No: 1303/U1/2017

Dated: 15/07/2017

From Ramesh Chand Meena, I.A.S. Principal Secretary to Governor.

To
Dr.. Mohammed Juniad
Principal,
RMK Engineering College,
RSM Nagar, Gummidipoondi Taluk,
Kavaraipettai, Tiruvallur -601206

Sir,

Sub: Anna University, Chennai – Nomination to the Academic Council of Anna University – Reg.

I am directed to inform that the Hon'ble Governor-Chancellor is pleased to re-nominate you as a member to the Academic Council of Anna University, Chennai as per Statute 9 (1) Class-II Other-Members (b) under Schedule-II of Anna University Act, 1978 as amended in Tamil Nadu University Law (Amendment & Repeal) Act, 2011, for a period of three years, from the date of issue of this letter.

Yours faithfully

Chamagraths
19/1/17
For Principal Secretary to Governor

R.M.K. ENGINEERING COLLGE – AQAR – 2017-18



RSM NAGAR, KAVARAIPETTAI - 601 206

Academic Year 2017 - 2018 (Odd Semester) LECTURE PLAN



RMK-QPF-2030-03

Name of the Faculty: RAMSHANKAR .P

Department: CIVIL ENGINEERING

Subject Code: CE6704

Subject Name: Estimation and Quantity Surveying

Branch: Civil Engineering

Semester: VII

Section: A

Over all Plan:

Units		I	II	m	IV	V	Total
Hours	Proposed	11	10	8	8	8	45
Hours	Actual	t1	lo	8	8	8	45
Date of	Proposed	18.07.17	01.08.17	23.08.17	05.09.17	22.09.17	43
Complétion	Actual	18.7-17	1.8.17.	- Ma. a. 17.	06.09.17	12.09.17	

Course Augmentation (Specify date):

Units	I	11	ш	IV	v
Assignment	18.07.17	01.08.17	23.08.17		
Quiz					
Tutorial					
Video lectures (NPTEL/ EDUSAT/ Online)	01.07.17	27.7.17	17.8.17	01.09.17	14.9.17

	Previous Year	Target Value for Current Year
Pass %	93.94	90
Highest Grade	A	S
Class Average	6	6.2

PREPARED BY

Name: Ramshankar .P

Signature

APPROVED BY

Name: Dr. Binu Sukumar

Signature



RSM NAGAR, KAVARAIPETTAI - 601 206





RMK-QPF-2030-03

UNIT I: ESTIMATE OF BUILDINGS

11

Load bearing and framed structures – Calculation of quantities of brick work, RCC, PCC, Plastering, white washing, colour washing and painting / varnishing for shops, rooms, residential building with flat and pitched roof – Various types of arches – Calculation of brick work and RCC works in arches – Estimate of joineries for panelled and glazed doors, windows, ventilators, handrails etc.

Session No.	Topics to be covered	Mode of Delivery*	Reference
1	Introduction - Load bearing and framed structures	Chalk & Talk/Video	1&2
2	Estimates and methods of Estimate	Chalk & Talk	1&2
3	Estimation of Capital cost of a building	Chalk & Talk	1&2
4	Calculation of quantities of brick work	Chalk & Talk	1&2
5	Calculation of quantities of RCC, PCC, Plastering,	Chalk & Talk	1&2
6	Calculation of quantities of white washing, colour washing and painting / varnishing for shops, rooms.	Chalk & Talk	1&2
7	Calculation of quantities of white washing, colour washing and painting	Chalk & Talk	1&2
8	Calculation of quantities of residential building with flat and pitched roof	Chalk & Talk	1&2
9	Estimate the quantities using long wall and short wall method.	Chalk & Talk	1&2
10	Various types of arches,	Chalk & Talk	1&2
11	Calculation of brick work and RCC works in arches, Estimate of joineries for panelled and glazed doors, windows, ventilators, handrails etc.	Chalk & Talk	1&2

CONTENT BEYOND THE SYLLABUS

: Foundation Marking

NPTEL REFERENCES

OTHER REFERENCES / WEBSITES

: https://www.youtube.com/watch?v=G33Nd8VN3xs

- Dutta, B.N., "Estimating and Costing in Civil Engineering", UBS Publishers & Distributors Pvt. Ltd., 2003
- Kohli, D.D and Kohli, R.C., "A Text Book of Estimating and Costing (Civil)", S.Chand & Company Ltd., 2004

2



RSM NAGAR, KAVARAIPETTAI - 601 200

Academic Year 2017 - 2018 (Odd Semester) LECTURE PLAN



RMK-QPF-2030-03

NUMBER OF PERIODS

Planned: 11

Actual: 1

DATE OF COMPLETION

Planned: 18.07.17

Actual:

18.07.17.

REASON FOR DEVIATION (IF ANY)

CORRECTIVE MEASURES

*Chalk and Talk, PPT / OHP, Quiz, Group Discussion, Student, Seminar, Case Study, Field Study, Video (NPTEL/EDUSAT/ONLINE), Crossword Puzzle, Tutorial Session

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RSM NAGAR, KAVARAJPETTAI - 601 206

Academic Year 2017 - 2018 (Odd Semester) LECTURE PLAN



RMK-QPF-2030-03

UNIT II: ESTIMATE OF OTHER STRUCTURES

Estimating of septic tank, soak pit – sanitary and water supply installations – water supply pipe line – sewer line – tube well – open well – estimate of bituminous and cement concrete roads – estimate of retaining walls – culverts – estimating of irrigation works – aqueduct, syphon, fall.

Topics to be covered	Mode of Delivery*	Reference
Estimating of septic tank soak pit	Chalk & Talk	1&2
Estimating of soak pit	Chalk & Talk	1&2
Sanitary and water supply installations		1&2
Water supply pipe line	Chalk & Talk	1&2
Sewer line - tube well - open well	Chalk & Talk	1&2
Estimate of bituminous and cement concrete roads	Chalk & Talk/ Video	1&2
Estimate of retaining walls - culverts	Chalk & Talk/ Video	1&2
Estimating of irrigation works	- 1100	1&2
Calculating quantities of Aqueduct, syphon, fall		1&2
Calculating quantities of syphon, fall	Chalk & Talk	1&2
	Estimating of septic tank soak pit Estimating of soak pit Sanitary and water supply installations Water supply pipe line Sewer line - tube well - open well Estimate of bituminous and cement concrete roads Estimate of retaining walls - culverts Estimating of irrigation works Calculating quantities of Aqueduct, syphon, fall	Estimating of septic tank soak pit Estimating of soak pit Chalk & Talk Chalk & Talk Sanitary and water supply installations Chalk & Talk Water supply pipe line Chalk & Talk Sewer line - tube well - open well Chalk & Talk Estimate of bituminous and cement concrete roads Chalk & Talk Video Estimate of retaining walls - culverts Chalk & Talk Video Estimating of irrigation works Chalk & Talk Chalk & Talk

CONTENT BEYOND THE SYLLABUS

: Construction of Box Culvert

NPTEL REFERENCES

OTHER REFERENCES / WEBSITES

: https://www.voutube.com/watch?v=qsQdglny6so https://www.voutube.com/watch?v=qsQdglny6so

- Dutta, B.N., "Estimating and Costing in Civil Engineering", UBS Publishers & Distributors Pvt. Ltd., 2003
- Kohli, D.D and Kohli, R.C., "A Text Book of Estimating and Costing (Civil)", S.Chand & Company Ltd., 2004

NUMBER OF PERIODS

Planned: 10

Actual:

LO

DATE OF COMPLETION

Planned: 01.08.17

Actual:

01.08.17.

4



RSM NAGAR, KAVAIRAIPETTAI - 601 206

Academic Year 2017 - 2018 (Odd Semester) LECTURE PLAN



RMK-QPF-2030-03

REASON FOR DEVIATION (IF ANY)

CORRECTIVE MEASURES

*Chalk and Talk, PPT / OHP, Quiz, Group Discussion, Student, Seminar, Case Study, Field Study, Video (NPTEL/EDUSAT/ONLINE), Crossword Puzzle, Tutorial Session

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RMK-QPF-2030-03

UNIT III: SPECIFICATION AND TENDERS

Data - Schedule of rates - Analysis of rates - Specifications - sources - Detailed and general specifications - Tenders - Contracts - Types of contracts - Arbitration and legal requirements.

Session No.	Topics to be covered	Mode of	Def
1	Introduction - Data	Delivery*	Reference
2	Schedule of rates - Analysis of rates	Chalk & Talk	1&2
3		Chalk & Talk	1&2
	Specifications – sources	Chalk & Talk	1&2
4	Detailed and general specifications	Chalk & Talk/ Video	1&2
5	Tenders - Contracts		
6	Types of contracts	Chalk & Talk	1&2
7	Arbitration	Chalk & Talk	1&2
8		Chalk & Talk	1&2
0	Legal requirements	Chalk & Talk	1&2

CONTENT BEYOND THE SYLLABUS

NPTEL REFERENCES

OTHER REFERENCES / WEBSITES

: https://www.youtube.com/watch?v=eGWsu9iIU5g

1. Dutta, B.N., "Estimating and Costing in Civil Engineering", UBS Publishers & Distributors Pvt. Ltd.,

2. Kohli, D.D and Kohli, R.C., "A Text Book of Estimating and Costing (Civil)", S.Chand & Company Ltd., 2004

NUMBER OF PERIODS

Planned: 8

Actual:

DATE OF COMPLETION

CORRECTIVE MEASURES

Planned: 23.08.17

Actual: 24.8.17

REASON FOR DEVIATION (IF ANY)

: Conpensated

IV & Smoot Training. talking externa classes.

*Chalk and Talk, PPT / OHP, Quiz, Group Discussion, Student, Seminar, Case Study, Field Study, Video (NPTEL/EDUSAT/ONLINE), Crossword Puzzle, Tutorial Session

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Jan Do 24/8



RSM NAGAR, KAVARAIPETTAI - 601 206

Academic Year 2017 - 2018 (Odd Semester) LECTURE PLAN



RMK-QPF-2030-03

UNIT IV: VALUATION

Necessity - Basics of value engineering - Capitalised value - Depreciation - Escalation - Value of $building-Calculation\ of\ Standard\ rent-Mortgage-Lease.$

Session No.	Topics to be covered	Mode of Delivery*	Reference
1	Necessity	Chalk &Talk	1&2
2	Basics of value engineering	Chalk &Talk	1&2
3	Capitalised value	Chalk &Talk	1&2
4	Depreciation	Chalk &Talk	1&2
5	Escalation	Chalk &Talk	1&2
6	Value of building	Chalk & Talk/ Video	1&2
7	Calculation of Standard rent	Chalk &Talk	1&2
8	Mortgage – Lease.	Chalk &Talk	1&2

CONTENT BEYOND THE SYLLABUS

: Types of Valuation for Real Estate

NPTEL REFERENCES

OTHER REFERENCES / WEBSITES

: https://www.youtube.com/watch?v=mERHNk_C3DE

1. Dutta, B.N., "Estimating and Costing in Civil Engineering", UBS Publishers & Distributors Pvt. Ltd., 2003

2. Kohli, D.D and Kohli, R.C., "A Text Book of Estimating and Costing (Civil)", S.Chand & Company Ltd., 2004

NUMBER OF PERIODS

Planned: 8

Actual:

DATE OF COMPLETION

Planned: 05.09.17

Actual: 06.09-17.

REASON FOR DEVIATION (IF ANY)

: classes last in IV & Training Program.

taking extra classes. CORRECTIVE MEASURES Compensated by

*Chalk and Talk, PPT / OHP, Quiz, Group Discussion, Student, Seminar, Case Study, Field Study, Video (NPTEL/EDUSAT/ONLINE), Crossword Puzzle, Tutorial Session

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Academic Year 2017 - 2018 (Odd Semester) LECTURE PLAN



RMK-QPF-2030-03

UNIT V: REPORT PREPARATION

Principles for report preparation - report on estimate of residential building - Culvert - Roads - Water supply and sanitary installations - Tube wells - Open wells.

Session No.	Topics to be covered	Mode of Delivery*	Reference
1	Principles for report preparation	Chalk & Talk/ Video	1&2
2	Report on estimate of residential building	Chalk & Talk	1&2
3	Culvert	Chalk & Talk	1&2
4	Roads	Chalk & Talk	1&2
5	Water supply and sanitary installations	Chalk & Talk	1&2
6	Tube wells	Chalk & Talk	1&2
7	Open wells	Chalk & Talk	1&2
8	Irrigation Channel	Chalk & Talk	1&2

CONTENT BEYOND THE SYLLABUS

: Project Approval Form

NPTEL REFERENCES

OTHER REFERENCES / WEBSITES

: https://www.youtube.com/watch?v=LJGpriZ0m8U

1. Dutta, B.N., "Estimating and Costing in Civil Engineering", UBS Publishers & Distributors Pvt. Ltd.,

Kohli, D.D and Kohli, R.C., "A Text Book of Estimating and Costing (Civil)", S.Chand & Company Ltd., 2004

NUMBER OF PERIODS

Planned: 8

Actual:

DATE OF COMPLETION

Planned: 22.09.17

Actual: 23.9.17.

REASON FOR DEVIATION (IF ANY)

classes lost in Aptitude Training.

CORRECTIVE MEASURES

classes taken.

*Chalk and Talk, PPT / OHP, Quiz, Group Discussion, Student, Seminar, Case Study, Field Study, Video (NPTEL/EDUSAT/ONLINE), Crossword Puzzle, Tutorial Session

Osh 1-SIGNATURE OF THE FACULTY

SIGNATURE OF HOD

Innovative processes adopted by the institution in Teaching and Learning:

- 1. Students are motivated to get certified by NPTEL on-line courses to improve their knowledge in the relevant streams by independent self-learning.
- **2.** Students are facilitated with Orientation programmes & Refresher courses, Seminars, Tutorial classes, Guest lectures, web browsing, video lectures, Industrial visits, Survey camps, Conference, workshops, Value added programmes through the CoEs and R& D labs sponsored by industry partners etc.



Industrial visit to L & T, Manapakkam



Inauguration of Centre of Excellence on "Concrete And Formwork" In Collaboration with L&T on 21-August-2017





Students undergoing hands on training at L&T Skill training centre, Kanchipuram



Er. Vikash Quaid motivating the next gen entrepreneurs



Mr. V.Thamarai Kannan giving lecture to 3rd.year student



Conducted Workshop on "Advanced Surveying Using Total Station and Handheld GPS" by Mr. Sunil Varma, Geospatial Technologies and Consultants



Mr. Sunil Varma, Geospatial Technologies and Consultants, distributing the certificates to the participants of the Sixdays workshop on "Advanced Surveying using Total Station and handheld GPS" on 24th June 2017.



Conducted Workshop on "Concrete Mix Design" by Mr. L.S. Kannan, Head, Concrete Technology, Buildings & Factories, L&T Construction

3. Students are members of professional societies such as ISTE / IEEE/ ICI which also enables collaborative learning.



Inauguration of CESA by Mr.Mozafar Hamid, Engg Manager and Head Engg Bluescope Steel India Pvt Ltd, Chennai



Final year students and office bearers of Civil Engineering Student's Association, during "Collosseum 2018" held on 12.02.2018



HOD, Civil Engineering distributing the certificates to the prize winners in Technical Paper presentation contest during the valedictory function of "Collosseum 2018"

4.Apart from regular classes, quiz, role play, debates, brain storming sessions, group discussions etc are conducted during Tech club hour.



Group Disussion





Students Presenting their innovative ideas during "Intra Department Paper Presentation Competition



Ms. Abinaya and Team demonstrating their modern ideas during "Intra Department Project Competition.