



Yearly Status Report - 2018-2019

Part A

Data of the Institution

Part A	
Data of the Institution	
1. Name of the Institution	R.M.K. ENGINEERING COLLEGE
Name of the head of the Institution	K A Mohamed Junaid
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	044-67906790
Mobile no.	9865707860
Registered Email	principal@rmkec.ac.in
Alternate Email	iqac@rmkec.ac.in
Address	R.S.M. Nagar, Kavarai Pettai, Gummidipoondi Taluk, Thiruvallur Dist.,
City/Town	Thiruvallur
State/UT	Tamil Nadu
Pincode	601206

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Prof. M. Somasundaram
Phone no/Alternate Phone no.	04467906640
Mobile no.	9840099774
Registered Email	iqac.naac@rmkec.ac.in
Alternate Email	mss.ece@rmkec.ac.in

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://rmkec.ac.in/NACC_SSR-2017-18.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://rmkec.ac.in/calendar/cal.php

5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A+	3.52	2017	12-Sep-2017	11-Sep-2022

6. Date of Establishment of IQAC	14-Jul-2017
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
IQAC MEETING No. 7	31-Aug-2018 1	34

IQAC MEETING No. 8	25-Nov-2018 1	29
IQAC MEETING No. 9	28-Feb-2019 1	36
IQAC MEETING No. 10	18-May-2019 1	29
Submission of AQAR 2017-18	31-Dec-2018 1	3415
Academic Audit	10-Aug-2018 1	194
Academic Audit	21-Jan-2019 1	192
ISO Transition and Periodic Audit by DNV	09-Jul-2018 2	194
NBA renewal process for the departments of CSE, ECE and EIE	12-Oct-2018 3	1213
One-day NAAC approved State level seminar on	29-Apr-2019 1	50
Feedback from Students Odd Semester 2018-19	28-Sep-2018 3	354
Feedback from Students Odd Semester 2018-19	10-Sep-2018 3	390
Feedback from Students Odd Semester 2018-19	03-Sep-2018 3	398
Feedback from Students Odd Semester 2018-19	19-Sep-2018 3	570
Feedback from Students Odd Semester 2018-19	27-Sep-2018 3	168
Feedback from Students Odd Semester 2018-19	29-Sep-2018 3	410
Feedback from Students Odd Semester 2018-19	22-Sep-2018 3	172
Feedback from Students Even Semester 2018-19	07-Mar-2019 3	340
Feedback from Students Even Semester 2018-19	01-Mar-2019 3	378
Feedback from Students Even Semester 2018-19	28-Feb-2019 3	392
Feedback from Students Even Semester 2018-19	01-Mar-2019 3	560
Feedback from Students Even Semester 2018-19	04-Mar-2019 3	160
Feedback from Students Even Semester 2018-19	01-Mar-2019 3	409
Feedback from Students Even Semester 2018-19	01-Mar-2019 3	160

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8. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. K.K. SivagnanaPrabhu, Head / Training and Corporate relations	Skill and Personality Development Programme Centre for SC / ST Students	AICTE	2019 2	981000
Dr. Y. Sukhi / Professor / EEE	Short Term Training Programme	AICTE	2019 7	200000
Dr. BinuSukumar, Professor and Head / Civil	MODROBS	AICTE	2019 3	1791000
Dr. K. Vijaya, Prof & Head/IT	Partial Financial Assistance Workshop	TN SCST	2019 6	15000
Ms.S Kokila, AP/CE	Students Project Scheme	TN SCST	2019 6	7500
Dr. Y. Sukhi, Prof/EEE	Unnat Bharat Abhiyan (UBA)	Ministry of Human Resource Development (MHRD)	2019 12	100000
Dr. S. Radhika ASP/IT	Unnat Bharat Abhiyan (UBA)	Ministry of Human Resource Development (MHRD)	2019 12	100000
Dr. Elwin Chandra Mounie , Professor / ECE & Dr. T. Suresh, Professor and Head / ECE	SEED TIDE	DST	2019 3	2619136
Mr. Rajesh S, AP/ME	Students Project Scheme	TN SCST	2019 6	7500
Mr. Duraimurugan P, AP/ME	Students Project Scheme	TN SCST	2019 6	7500
Dr. N.M.Jothi Swaroopan, Professor / EEE	Faculty Development Programme	AICTE	2019 14	509000
Dr. T. Magesh, Professor / EEE	Faculty Development Programme	ANNA UNIVERSITY	2019 7	40000

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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

Academic Activities: PRAGATI Online App for Counselling is implemented and 'Standard' 'Average' questions is implemented in Smartpick for setting the question paper for internal assessment questions.

Career Development Activities:- Mobility CoE is upgraded to AI CoE. Building Management System (BMS) CoE as Robotics CoE and Factory Automation CoE as IoT.

Research and Innovation:- Many proposals and patents have been published and proposals are under preparation. Consultancy Pamphlets for Industrial Consultancy Works is prepared.

Institutional Social Responsibilities:- Unnat Bharat Abhiyan (UBA) has approved two projects and 5 villages are adopted.

Accreditation Status:- CSE, ECE & EIE is accredited by NBA for three years upto June 30, 2022.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achievements/Outcomes
Target Result for Anna University Semester Examinations	Odd Semester: Target Set: 85 Target Achieved : 73.60 Even Semester: Target Set: 88 Target Achieved : 78.77
Target to be achieved for Placement	Target set for placement was 75% and the achieved was 78%

NBA Re Accreditation	The departments of CSE, ECE and EIE were Re-accredited for 3 years.
Participation in NIRF	Ranked 157th Position (Engineering Category) out of 200 Institutions including IITs and NITs in the NIRF India Rankings 2019 released by Honourable President of India.
ISO Transition Certification	The institution was certified for ISO 9001: 2015 (New Version) by the ISO Transition and Periodic Audit conducted by DNV - GL Netherland.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Governing Body of the College	16-Nov-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	12-Oct-2018
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2019
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Date of Submission	08-Jan-2019
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Campus Performance Tracker The database of all the students and faculty is maintained in the online Campus Performance Tracker. The attendance and performance details of all the students in the internal assessments and university examinations are also maintained in the tracker. Online Feedback of Faculty Members By Students Online feedback of faculty members by students is taken once in a semester at the end of the semester. The details are kept by Principal and HODs. Performance Appraisal of All Faculty Members SelfPerformance Appraisal of all faculty members is done at the end</p>
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of the academic year and the details are kept by principal Campus Interaction Portal for Placement Campus Interaction Portal maintained by TP has the list of students registered for placements along with their academic performance from SSLS,HSC, Diploma and CGPA etc. and their training records (eg. skill rack, AMCAT, etc). The portal also maintains the placement company registrations. Feedback from Recruiting Companies Feedback from recruiting companies is obtained and maintained by Training and Placement Cell for further improvements.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The Anna University prescribes the academic schedule for every semester that should be followed by the affiliated Institutions. Based on this schedule, academic calendar is prepared with all the details of commencement of the class, tests, completion of syllabus, tentative dates for University practical and theory exams, total number of working days and details of holidays and made available to the students and faculty. Based on the academic calendar, an academic schedule for the semester is prepared by Academic Coordinator at the college level and communicated to all the HoDs. The academic calendar prepared is circulated to all the faculty members and students individually before the commencement of each semester. This is helpful in pre-planning all the activities. The subjects are allocated based on area of interest, feedback and training programme attended. The faculty members prepare the lesson plan for the subjects allotted in a standard format for each subject. In lesson plan, the faculty member enters the Pass Percentage, Highest Mark and Class Average for the specific class for Previous Year and Target Value for Current Year. Lesson plan is submitted to the HoD. After verification, correction, if any, and approval, it is returned to the faculty member. Faculty members maintain the lesson plan in their course file. This plan forms the basis for the delivery of the allotted subject. The Faculty members are constantly motivated and encouraged to adopt innovative approaches in the classroom. Faculty members refer to the standard reference books prescribed by University along with latest information available through online and other resources for effective implementation of curriculum. Besides the use of conventional method, various other teaching methods like Quiz, Group Discussion, Demonstrations, PPT Presentations, Industrial Visits, Open book tests, Assignments, Videos are used for effective curriculum implementation. The Lecture Plan is filled in by the respective faculty member and submitted on a monthly basis to the HoD. In case of any deviation, the details are suitably indicated in the Lecture Plan and suitable remedial action is suggested if there is any deviation. It is mandatory that the deviation details and the proposed corrective action are filled in the lecture plan by the respective faculty member and the HoD will review the details for necessary action. The students attendance register should be maintained by the faculty which is also verified by the HoD every month. At the end of semester, HoD ensures that the syllabus is completed by

all the faculty as per the lesson plan. Assessment and evaluation are the major tools to verify the attainment of course outcomes. Students are assessed on a continuous basis by conducting two internal assessment tests and one model examination per semester. In this process, students' performances are used to assess whether the students acquired prescribed outcomes from that specific course. College administration also keeps a vigilant eye on the results, departmental proceedings and student needs and also keeps record of the different activities of the college regarding teaching-learning, development and improvements of different methods of effective curriculum delivery.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
Product Life cycle Management (PLM)		03/12/2018	125	Employability	Employability of students as per Industry 4.0 Scenario. New Product Development (NPD) using Creo Modeling Software.
Automotive RD		24/01/2018	45	Employability	Training in 3D Modelling Knowledge on Automotive related sectors
Telecom		16/11/2018	45	Employability	Wireless Networks EMS/NMS, OSS/BSS SDN, NFV, Introduction to 5G
Front End Engineering		07/01/2019	80	Employability	Front End Development UI, UX, HTML, CSS, Angular, React
Automotive Electronics		30/11/2018	72	Employability and Entrepreneurship	Auto Electrical Systems (Starter, Alternator and Batteries). Measurement and Testing of Sensors and

				Actuators. Vehicle Diagnostics Basics (OBD) and System Diagnostics.
Concrete and form work	01/12/2018	96	Employabilit y and Entrep reneurship	Students are trained on design of formwork and selection of form for various construction projects.
Artificial Intelligence	07/08/2018	70	Employabilit y and Entrep reneurship	Python Basics Machine Learning Libraries in Python. Machine Learning Models (Supervised Model Unsupervised Model) Implementing AI Projects In Python.
Big Data Analytics	16/11/2018	35	Employabilit y and Entrep reneurship	Python Data preprocessin g, machine learning, spark, kafka
Cloud Computing	26/11/2018	35	Employabilit y and Entrep reneurship	Java Training, Sales force Training
Cyber Security	16/11/2018	63	Employabilit y and Entrep reneurship	TCS designed curriculum meeting the industry req uirements. Focusing to participate in corporate contests
Embedded Systems	30/11/2018	140	Employabilit y and Entrep reneurship	Training in Embedded hardware and software design and development. Training in

Robotic Process Automation	30/11/2018	56	Employability and Entrepreneurship	<p>Coding and Recent technologies.</p> <p>Design and implement control schemes in PLC.</p> <p>Interface field devices with PLC.</p> <p>Understand operational requirements of the process, bring into effect desired changes if necessary.</p> <p>Provide end-to-end automation solutions.</p>
Internet of Things	30/11/2018	56	Employability	<p>Understand and define problem statement and develop solution.</p> <p>Provide end-to-end building automation solutions.</p> <p>Apply the concept of Internet of Things in the real world scenario.</p> <p>Build a small low cost embedded system using Raspberry Pi.</p>
Business English Certification	02/07/2018	60	Employability and Entrepreneurship	<p>To enrich communication knowledge and to improve language</p>

NPTEL

30/07/2018

12

Employability and Entrepreneurship

proficiency.

To bridge the curriculum gap and to enrich technical knowledge.

1.2 – Academic Flexibility**1.2.1 – New programmes/courses introduced during the academic year**

Programme/Course	Programme Specialization	Dates of Introduction
BTech	EC8395 - Communication Engineering	02/07/2018
BE	EC8395 - Communication Engineering	02/07/2018
BE	HS8381 - Interpersonal Skills/Listening &Speaking	02/07/2018
BTech	HS8381 - Interpersonal Skills/Listening &Speaking	02/07/2018
BE	HS8461 - Advanced Reading and Writing	10/12/2018
BTech	HS8461 - Advanced Reading and Writing	10/12/2018
BE	CE6404 Concrete Technology	10/12/2018
BE	Concrete and form work	01/12/2018
BE	Artificial Intelligence	07/08/2018
BE	Big Data Analytics	16/11/2018
BE	Cloud Computing	26/11/2018
BE	Cyber Security	16/11/2018
BE	Embedded Systems	30/11/2018
BE	Front End Engineering	07/01/2019
BE	Automotive Electronics	30/11/2018
BE	Robotic Process Automation	30/11/2018
BE	Internet of Things	30/11/2018
BE	Product Lifecycle Management (PLM)	03/12/2018
BE	Automotive R&D	24/01/2019
BE	Telecom	16/11/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil Engineering	02/07/2018
BE	Computer Science and Engineering	02/07/2018
BE	Electrical and Electronics Engineering	02/07/2018
BE	Electronics and Communication Engineering	02/07/2018
BE	Electronics and Instrumentation Engineering	02/07/2018
BE	Mechanical Engineering	02/07/2018
BTech	Information Technology	02/07/2018
ME	Computer Science and Engineering	02/07/2018
ME	Applied Power Electronics	02/07/2018
ME	Power Electronics and Drives	02/07/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	1863	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Orientation Programme for first year	03/09/2018	714
Motivation Programme for First year	17/09/2018	726
Vision Workshop for First year	21/01/2019	726
Stepping stone by FACE training for First year	12/03/2019	726
Motivation Programme for First year	01/03/2019	726
Communication Skills for Second year	02/07/2018	806
Personality Development Programme by M/s. Jade Training Resources	02/01/2019	806
Mission Possible Interview Skills improvement workshop by Mr. Suresh Punjabi	30/01/2019	853
Aptitude Training for Final year	12/07/2018	725

Company Specific Training for Final Year	01/09/2018	370
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Civil Engineering	79
BE	Computer Science and Engineering	174
BE	Electrical and Electronics Engineering	342
BE	Electronics and Communication Engineering	114
BE	Mechanical Engineering	304
BTech	Information Technology	67
BE	Electronics and Instrumentation Engineering	20
BE	Civil Engineering - Industrial Visits	354
BE	Computer Science and Engineering - Industrial Visits	390
BE	Electrical and Electronics Engineering - Industrial Visits	398
BE	Electronics and Communication Engineering - Industrial Visits	570
BE	Electronics and Instrumentation Engineering - Industrial Visits	168
BE	Mechanical Engineering - Industrial Visits	410
BTech	Information Technology - Industrial Visits	172
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained

Feedback is collected at departmental and institutional level in which the views on the curriculum, teaching schedules, teaching tools, and student assessment outcomes are discussed for taking improvement measures. Feedback is given by students through • online on teaching process which is reviewed by Principal and HoD. The concerned faculty is counselled by the HoD to improve their performance • Two class committee meetings per semester is conducted to ensure the completion of syllabus and other activities. Corrective measures taken to rectify any issues proposed in the meeting. • Academic coordinator about the academic and general grievances and redressed. The institution promptly conducts faculty meeting, where the ways and means of enhancing the curriculum, academic discipline, Teaching Learning process, Research and Extension activities are debated and discussed. The appropriate suggestions are put forward to the respective departments for implementation. Feedback from employers are collected during placement drive, centres of excellence advisory committee meeting and during guest lectures which helps the institution to enhance the student's knowledge and skill set for the current scenario. Training sessions, Addon and Value added courses are designed based on this feedback. As the alumni is found to be the brand ambassador(s) of our institutions, the feedback of the alumni is taken with due considerations in the following occasions Alumni meetings which is conducted twice a year, Department advisory committee meeting, Mock Interview and Alumni Guest Lecture. Our institution enjoys a strong and healthy association with the Alumni. The consolidated feedback report is forwarded to the Principal for taking cue of the positive performances and scope for improvement. Meeting with parents is conducted every semester to identify the difficulties faced by their wards and to motivate them to improve in the upcoming exams. The HOD, Year Coordinators, Class advisors and Subject handling staffs take individual care for every student and communication is maintained with the student and parents/guardians regarding the performance of the student. Parameters accommodated in the parents feedback, include quality of teaching, sports facilities, lab facilities, Mess facility, student activities such as transport, library, internet facilities, WiFi etc. The parents of the students whose performance in the continuous assessment test is poor are counselled individually and their feedback are also give due consideration.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Civil Engineering	120	110	101
BE	Computer Science and Engineering	120	121	120
BE	Electrical and Electronics Engineering	120	110	106
BE	Electronics and Communication Engineering	180	181	180

BE	Electronics and Instrumentation Engineering	60	42	41
BE	Mechanical Engineering	120	112	111
BTech	Information Technology	60	61	60
ME	Applied Electronics	18	3	3
ME	Computer Science and Engineering	18	1	1
ME	Power Electronics	18	2	1
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	719	5	191	9	51

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
191	191	16	72	8	105

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

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 / Counselor Mentee Issues Faculty 22 or 24 students Academic / personal issues T and 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 counseling is also done by pragati App. It contains: (i) Basic details: It comprises father, mother and guardian name with their contact number of the student. (ii) Performance report: It contains details of marks secured by students in Unit test I, Unit test II, Internal I and Internal II, Model and University examinations. (iii) Full information: It has details of student's age, date of birth, aadhar number and free education details, X and XII marks, category of admission, address for communication with mail id, mode of transport, boarding place, with student's goals, parent's qualification and occupation. Mode of counselling: The mentor will counsel their mentee on regular basis after each test performance as and when required. Communication with parents is also done and recorded. Later, year coordinator will counsel their students. This could also be followed by Head of the department. All the counselling details and performance of the student can be viewed by Principal and Vice Chairman. Special counselling session is done after college hours for hostel students. Senior most faculty of the institution plays a vital role in counselling the students. Thus, the grievances and performance of the student is

followed by all and necessary steps could be taken immediately. Moreover, the parents interaction with the counsellors is recorded which makes the counselling system more effective. The personal and psychological counselling is done based on the following needs: 1. Challengers(slow learners) 2. Attitude problem 3. Creamy and toppers 4. Home sick 5. Students with peer pressure and parent pressure 6. Students infatuated with social media 7. Motivating to participate in intercollegiate workshop, symposia, technical contest and seminars. 8. Career counselling 9. Mentoring their skills for various industrial needs. 10. Yet to be placed The student counseling service helps us to address personal or emotional problems to realize their full academic and personal potential. The counseling system offers a confidential service, to be more specific, a remedial relationship where healing is experienced. The impact of counselling improves the performance of the student, better understanding of ethos of college, self development, improvise self defeating character of the student, refine their goals to achieve better, better student faculty relationship. The redressal of grievances is also recorded in the counselling report.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3251	191	1:17

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
14	14	0	14	2

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr .M.Meena	Professor	Conferred with the award for Adarsh Vidya Saraswati Rashtriya Puraskar (National Award of Excellence2019) by the Glacier Journal Research Foundation Global Management Council Ahmedabad.
2018	Ms. M.Padmapriya	Assistant Professor	Successfully completed NPTEL course with Elite and Silver(Topper of 2 percentage)
2018	Dr.Binu Sukumar	Professor	Successfully completed NPTEL course with Elite and Silver(Topper of 5 percentage)
2018	Dr.Binu Sukumar	Professor	Successfully completed NPTEL course with Elite(Topper of 5 percentage)
2018	Dr. S.Sudhakar	Professor	Successfully

			completed NPTEL course with Elite and gold(Topper of 5 percentage)
2019	Dr. S Sudhakar	Professor	Successfully completed NPTEL course with Elite and Silver(Topper of 5 percentage)
2019	Ms. Jenishtalouis J	Assistant Professor	Successfully completed NPTEL course with Elite and gold(Topper of 5 percentage)
2019	Ms. Aishwarya M L	Assistant Professor	Successfully completed NPTEL course with Elite and Silver(Topper of 5 percentage)
2018	Dr. BinuSukumar	Professor	Academic Professional Icon Award TISLA 2018 for the contribution and achievement in the field of civil engineering from Institution of Engineers(India) Thiruvallur Local 2centre on 28102018.
2018	Dr.M.Usha Rani	Professor	II Prize in Tamil Essay Competition Institutional level on Engineers Day celebration 2018 organized by Builder Line, Chennai on 22.09.2018.
2018	Dr. BinuSukumar	Professor	Distinguished Faculty in Engineering Award VIFA 2018 for the contribution and achievement in the field of civil engineering from Venus International Foundation on 07072018.
2018	Dr.R.Sureshkumar	Associate Professor	Appreciation Award for India Innovation

			Challenge Design Contest 2018 by Texas Instruments India Pvt. Ltd, Bangalore.
2018	Mr.K.Muralidharan	Assistant Professor	Appreciation Award for India Innovation Challenge Design Contest 2018 by Texas Instruments India Pvt. Ltd, Bangalore.
2018	Dr.S.Anita Evelyn	Associate Professor	Bharat Vikas Award 2018 for loyalty, diligence, and outstanding performance in the field of Dialects of English Language.
2018	Ms.A.Thilagavathy	Associate Professor	Recognized as BRONZE partner faculty under Inspire The Campus Connect Faculty Partnership Model
2018	Dr. Sandra Johnson	Professor	Recognized as BRONZE partner faculty under Inspire The Campus Connect Faculty Partnership Model
2018	Ms. N. Banupriya	Assistant Professor	Recognized as SILVER partner faculty under Inspire The Campus Connect Faculty Partnership Model
2018	Ms. L. Raji	Assistant Professor	Recognized as BRONZE partner faculty under Inspire The Campus Connect Faculty Partnership Model
2018	Dr. R. Jegadeesan	Assistant Professor	Young Faculty in Engineering 2018. Certificate, Bronze Medal and Memento has been bestowed to Dr. R. Jegadeesan for his exceptional academic records and research

			excellence in the area Computer Science and Engineering.
2018	Dr.C.Geetha	Associate Professor	Bestowed with Best Researcher 2018 award by International Journal for Research Under Literal Access accredited with, Idamas Learning and Training Centre (Malaysia)
2018	Dr.Elwin Chandra Monie	Dean	ISTE TN Section Lifetime Achievement Award 2018 - For Recognizing Outstanding Academic Service.
2018	Dr.K.A.Mohamed Junaid	Principal	Dr. Abdul Kalam Eminent Leadership Award
2018	Dr.Y.Sukhi	Professor	Best Women Engineer Award
2018	Ms.V.Karthika	Assistant Professor	India Innovation Challenge Design Contest 2018
2018	Mr.S.Balamurugan	Assistant Professor	India Innovation Challenge Design Contest 2018
2018	Ms. A. Jasmine Gilda	Assistant Professor	Smart India Hackathon Mentor
2018	Dr. T. Sethukarasi	Professor	Smart India Hackathon Mentor
2018	Mr. R. Vidhya Prakash	Assistant Professor	Smart India Hackathon Mentor
2018	Mr. Jegadeesan. R	Assistant Professor	Conferred with Ph. D. degree
2018	Dr. T. V. Padmavathy	Professor	Smart India Hackathon Mentor
2018	Mr. G. Babu	Assistant Professor	Smart India Hackathon Mentor Runner
2018	Mr. Shyam	Assistant Professor	Smart India Hackathon Mentor
2018	Mr. S. Mahaboob Basha	Assistant Professor	Successfully completed NPTEL course with Elite and Silver (Topper

			of 5 percentage)
2018	Mr. Joshua Kumaresan.S	Associate Professor	Conferred with Ph. D. degree
2018	Mr. Babu.G	Assistant Professor	Conferred with Ph. D. degree
2018	Ms. M. Vimala	Assistant Professor	Smart India Hackathon Mentor
2019	Mr. Sivakumar A	Assistant Professor	Successfully completed NPTEL course with Elite and Silver(Topper of 5 percentage)
2018	Mr. Mahendran.G	Associate Professor	Conferred with Ph. D. degree
2018	Mr. Mudhu Krishnan. M	Associate Professor	Conferred with Ph. D. degree
2018	Dr. K. Vijaya	Professor	Smart India Hackathon Mentor
2018	Dr. K. Chidambarathanu	Associate Professor	Smart India Hackathon Best Team Mentor
2018	Ms. S. D. Lalitha	Assistant Professor	Smart India Hackathon Mentor
2018	Ms. B. Prathusha Laxmi	Associate Professor	Smart India Hackathon Mentor
2018	Mr. K. Ponniyun Selvan	Associate Professor	Smart India Hackathon Mentor
2018	Dr.S.Anita Evelyn	Associate Professor	Bharat Vikas Award 2018 for loyalty, diligence, and outstanding performance in the field of Dialects of English Language.
2018	Ms. K. R. Chairmalakshmi	Assistant Professor	Smart India Hackathon Mentor
2018	Dr. Vijayalakshmi A	Assistant Professor	Successfully completed NPTEL course with Elite and Silver(Topper of 5 percentage)
2018	Ms.Sanathi M George	Associate Professor	Successfully completed NPTEL course with Elite and Silver(Topper of 5 percentage)
2018	Ms. Santhi M George	Associate Professor	Conferred with Ph. D. degree
2018	Mr. S. Karthikeyan	Assistant Professor	Conferred with Ph.

			D. degree
2019	Dr. Vijayalakshmi A	Assistant Professor	Successfully completed NPTEL course with Elite and gold(Topper of 1 percentage)
2019	Dr.M Meena	Professor	Successfully completed NPTEL course with Elite and gold(Topper of 1 percentage)
2019	Dr. J Anto Pradeep	Assistant Professor	Successfully completed NPTEL course with Elite and gold(Topper of 5 percentage)
2018	Dr.S.Anita	Associate Professor	India Innovation Challenge Design Contest 2018
2019	Dr.T. Gnanasekaran	Professor	Best Faculty Award 201718 by Cognizant
2018	Dr.A.Vijayalakshmi	Assistant Professor	Outstanding Women in Science (Chemistry) by the Centre for Advanced Research and Design (CARD) of Venus International Foundation (VIF).
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	Civil Engineering	8/IV	13/04/2019	21/05/2019
BE	Civil Engineering	6/III	29/04/2019	22/06/2019
BE	Civil Engineering	4/II	22/05/2019	22/06/2019
BE	Civil Engineering	2/I	18/05/2019	22/06/2019
BE	Computer Science and Engineering	8/IV	29/04/2019	21/05/2019
BE	Computer Science and Engineering	6/III	11/05/2019	22/06/2019

BE	Computer Science and Engineering	4/II	22/05/2019	22/06/2019
BE	Computer Science and Engineering	2/I	18/05/2019	22/06/2019
BE	Electrical and Electronics Engineering	8/IV	29/04/2019	21/05/2019
BE	Electrical and Electronics Engineering	6/III	29/04/2019	22/06/2019
BE	Electrical and Electronics Engineering	4/II	22/05/2019	22/06/2019
BE	Electrical and Electronics Engineering	2/I	22/05/2019	22/06/2019
BE	Electronics and Communication Engineering	8/IV	29/04/2019	21/05/2019
BE	Electronics and Communication Engineering	6/III	02/05/2019	22/06/2019
BE	Electronics and Communication Engineering	4/II	22/05/2019	22/06/2019
BE	Electronics and Communication Engineering	2/I	21/05/2019	22/06/2019
BE	Electronics and Instrumentation Engineering	8/IV	29/04/2019	21/05/2019
BE	Electronics and Instrumentation Engineering	6/III	08/05/2019	22/06/2019
BE	Electronics and Instrumentation Engineering	4/II	22/05/2019	22/06/2019
BE	Electronics and Instrumentation Engineering	2/I	22/05/2019	22/06/2019
BE	Mechanical Engineering	8/IV	16/04/2019	21/05/2019
BE	Mechanical Engineering	6/III	11/05/2019	22/06/2019
BE	Mechanical Engineering	4/II	22/05/2019	22/06/2019
BE	Mechanical Engineering	2/I	18/05/2019	22/06/2019

BTech	Information Technology	8/IV	29/04/2019	21/05/2019
BTech	Information Technology	6/III	11/05/2019	22/06/2019
BTech	Information Technology	4/II	22/05/2019	22/06/2019
BTech	Information Technology	2/I	20/05/2019	22/06/2019
ME	Applied Electronics	4/II	17/05/2019	22/06/2019
ME	Computer Science and Engineering	4/II	22/05/2019	22/06/2019
BE	Civil Engineering	7/IV	15/12/2018	12/01/2019
BE	Civil Engineering	5/III	17/12/2018	12/01/2019
BE	Civil Engineering	3/II	22/11/2018	12/01/2019
BE	Civil Engineering	1/I	11/01/2019	13/02/2019
BE	Computer Science and Engineering	7/IV	17/12/2018	12/01/2019
BE	Computer Science and Engineering	5/III	15/12/2018	12/01/2019
BE	Computer Science and Engineering	3/II	22/11/2018	12/01/2019
BE	Computer Science and Engineering	1/I	11/01/2019	13/02/2019
BE	Electrical and Electronics Engineering	7/IV	15/12/2018	12/01/2019
BE	Electrical and Electronics Engineering	5/III	17/12/2018	12/01/2019
BE	Electrical and Electronics Engineering	3/II	22/11/2018	12/01/2019
BE	Electrical and Electronics Engineering	1/I	11/01/2019	13/02/2019
BE	Electronics and Communication Engineering	7/IV	15/12/2018	12/01/2019
BE	Electronics and	5/III	17/12/2018	12/01/2019

	Communication Engineering			
BE	Electronics and Communication Engineering	3/II	22/11/2018	12/01/2019
BE	Electronics and Communication Engineering	1/I	11/01/2019	13/02/2019
BE	Electronics and Instrumentation Engineering	7/IV	15/12/2018	12/01/2019
BE	Electronics and Instrumentation Engineering	5/III	17/12/2018	12/01/2019
BE	Electronics and Instrumentation Engineering	3/II	22/11/2018	12/01/2019
BE	Electronics and Instrumentation Engineering	1/I	11/01/2019	13/02/2019
BE	Mechanical Engineering	7/IV	14/12/2018	12/01/2019
BE	Mechanical Engineering	5/III	13/12/2018	12/01/2019
BE	Mechanical Engineering	3/II	22/11/2018	12/01/2019
BE	Mechanical Engineering	1/I	11/01/2019	13/02/2019
BE	Information Technology	7/IV	17/12/2018	12/01/2019
BE	Information Technology	5/III	15/12/2018	12/01/2019
BE	Information Technology	3/II	22/11/2018	12/01/2019
BE	Information Technology	1/I	11/01/2019	13/02/2019
ME	Applied Electronics	3/II	07/12/2018	13/02/2019
ME	Applied Electronics	2/I	17/05/2019	22/06/2019
ME	Applied Electronics	1/I	08/01/2019	13/02/2019
ME	Computer Science and Engineering	3/II	07/12/2018	13/02/2019
ME	Computer Science and Engineering	2/I	22/05/2019	22/06/2019
ME	Computer	1/I	08/01/2019	13/02/2019

	Science and Engineering			
ME	Power Electronics	2/I	25/05/2019	22/06/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The Continuous Internal Evaluation system at institution level is carried out by Exam Cell. The following procedures are involved in the Evaluation system:

Question Paper Setting: ? Exam cell prepares the exam schedule as per the academic calendar. ? It is approved by the Principal and is circulated to the department. ? The subject coordinator who is one of the subject experts set the question bank coherent with the previous year's University question papers. It is ensured that the questions are meant to cover all the course outcomes. ? Subject Coordinator from RMK group of institutions set the question papers and forward to the Course coordinator. ? Course coordinator consolidates the questions and sets the final question bank which consists of all possible 2 marks and 16 marks in each unit. ? The final question bank has details of knowledge and course outcome level for each question and then it is forwarded to the centralized exam cell. ? In exam cell, questions are chosen randomly from the question bank using SMART PICK software. Evaluation of answer scripts: The answer key prepared by the concerned faculty is submitted to the exam cell. The answer scripts are evaluated by the subject handling faculty themselves. Central evaluation is adopted for evaluation of the Model exam answer sheets. Blind Evaluation is done by shuffling and distributing the answer sheets to the faculty members in our group of institutions. The process adopted is similar to the one followed by Anna University for terminal Examination The central valuation team evaluates the answer scripts and hands over the same to the students within two days of conducting assessment test. The faculty maps the question paper with COs and retains the sample answer papers. Various assessment processes adopted for every course in each semester: ? Assignment 1 : Completion of Unit I ? Assignment 2 : Completion of Unit II or III ? Assignment 3 : Completion of Unit III or IV ? Unit Test 1 : Completion of Unit I ? Unit Test 2 : Completion of Unit II ? Internal Assessment 1 : Completion of Unit I Unit II ? Internal Assessment 2 : Completion of Unit III Unit IV ? Retests for Assessments : After each Assessment ? Revision Tests : After completion of syllabus ? Model Exam : Completion of all 5 Units ? ReModel Exam : After the Model Exam ? End Semester Examination Each unit carries 50 Marks and the questions cover both the first and second half of the units. The questions are selected based on the importance of topics and their occurrence in the previous University question papers. Three sets of question papers are prepared by faculty members from our group of institutions among them one question paper is selected by HoD of the group institutions on a rotational basis. Assignments, Unit Tests, Internal Assessments, Revision Tests and Model exams are conducted in every semester as per the academic schedule for the continuous assessment of the learning process of students.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The Anna University prescribes the academic schedule for every semester that should be followed by the affiliated Institutions. Based on this schedule, the Institution prepares the Academic Calendar and Academic Schedule of activities in such a way that the activities are completed well ahead to the schedule given by the Anna University. The calendar so prepared is circulated to all the faculty members and students individually before the commencement of each semester. This is helpful in preplanning all the activities by the department, faculty members and students. The calendar includes the following details:

Contents of Academic Calendar ? Vision and mission of the department, ? Programme educational objectives ? Programme specific outcomes ? Programme outcomes ? College rules and regulations ? Academic standards ? Date of commencement of class, ? Date of schedule of Internal Assessment ? Date of schedule of Model Examination ? Tentative commencement of University Practical and University Theory examination ? Details of holidays ? Number of working days. The academic calendar is prepared with all the above details and made available to the students and faculty. Based on the academic calendar, an academic schedule for the semester is prepared by Academic Coordinator at the college level and communicated through HoD. It is normally accompanied by the target date and the activities need to be completed. ? Training programs, softskill, valueadded courses and personality development courses are conducted on a regular basis for the students to enable them for better placement. ? Bridge Course is conducted for those courses that require prerequisite not specified in their higher semester syllabus. ? Special coaching classes are also arranged for lateral entry students to make them understand the engineering concepts.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://www.rmkec.ac.in/cel/shownaccagar.php>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
103	BE	Civil Engineering	130	109	83.85
104	BE	Computer Science and Engineering	135	118	87.41
105	BE	Electrical and Electronics Engineering	137	120	87.59
106	BE	Electronics and Communication Engineering	197	182	92.39
107	BE	Electronics and Instrumentation Engineering	60	55	91.67
114	BE	Mechanical Engineering	138	129	93.48
205	BTech	Information Technology	60	54	90.00
401	ME	Applied Electronics(ODD)	3	3	100
405	ME	Computer	5	5	100

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

http://rmkec.ac.in/cel/show_sss.php

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	1	Secutrix Technologies	110000	110000
Industry sponsored Projects	1	Nivi Robotics	92000	92000
Industry sponsored Projects	1	Citadel Controls Pvt Ltd	100000	100000
Industry sponsored Projects	1	Micromedia Systems And Consultants	70000	70000
Industry sponsored Projects	1	BPL Techno Vision Private Limited	40000	40000
Industry sponsored Projects	1	Enixs Technologies India Pvt Ltd	10000	10000
Industry sponsored Projects	1	Convertics Technologies Pvt Ltd	44000	44000
Industry sponsored Projects	1	Transrail Lighting Limited	9800	9800
Industry sponsored Projects	1	Transrail Lighting Limited	1500	1500
Industry sponsored Projects	1	Transrail Lighting Limited	1500	1500
Industry sponsored Projects	1	Transrail Lighting Limited	1500	1500
Industry sponsored Projects	1	Transrail Lighting Limited	1500	1500

Industry sponsored Projects	1	Transrail Lighting Limited	1500	1500
Industry sponsored Projects	1	Transrail Lighting Limited	3000	3000
Industry sponsored Projects	1	Transrail Lighting Limited	1500	1500
Industry sponsored Projects	1	Transrail Lighting Limited	1500	1500
Industry sponsored Projects	1	Transrail Lighting Limited	9500	9500
Industry sponsored Projects	1	Perpetro Technologies Pvt. Ltd	10000	10000
Industry sponsored Projects	1	Geek Protocol	14000	14000
Industry sponsored Projects	1	Blue Chip Technologies	15000	15000
Industry sponsored Projects	1	Global Techno Solutions	23000	23000
Industry sponsored Projects	1	Global Techno Solutions	25000	25000
Industry sponsored Projects	1	Global Techno Solutions	10000	10000
Industry sponsored Projects	1	Blue Chip Technologies	15000	15000
Industry sponsored Projects	1	Bharat Heavy Electrical Limited	12000	12000
Industry sponsored Projects	1	Wheels India Limited	14000	14000
Industry sponsored Projects	1	LT Rubber Processing Machinery	12000	12000
Industry sponsored Projects	1	Technocraft Automation	8000	8000
Industry sponsored Projects	1	Smart Engine Management Systems	15000	15000

Industry sponsored Projects	1	Nelcast Ltd	15000	15000
Industry sponsored Projects	1	Info Design	12000	12000
Industry sponsored Projects	1	Esperer Engineering Services	10000	10000
Industry sponsored Projects	1	TNSCST	7500	7500
Industry sponsored Projects	1	Vi Micro Systems	100000	100000
Industry sponsored Projects	1	Alpha Engineering Works	100000	100000
Industry sponsored Projects	1	Jasmine Concrete Exports Pvt Ltd	50000	50000
Industry sponsored Projects	1	Alpha Engineering Works	100000	100000
Industry sponsored Projects	1	Jasmine Concrete Exports Pvt Ltd	50000	50000
Industry sponsored Projects	1	Solar Energy Solutions Pvt. Ltd.,	75000	75000
Industry sponsored Projects	1	Future Farms	100000	100000
Industry sponsored Projects	1	VI Micro Systems	100000	100000
Industry sponsored Projects	1	Future Farms	75000	75000
Industry sponsored Projects	1	VI Micro Systems	1000000	1000000
Industry sponsored Projects	1	Kirubai Foundation	100000	100000
Industry sponsored Projects	1	Vrsavvy Private Limited	150000	150000
Industry sponsored Projects	1	Gem Chemicals	100000	100000

Industry sponsored Projects	1	Vrsavvy Private Limited	65000	65000
Industry sponsored Projects	1	G V Industrial Heaters	100000	100000
Industry sponsored Projects	1	Basha Electricals	10000	10000
Industry sponsored Projects	1	BPL Techno Vision Private Limited	15000	15000
Industry sponsored Projects	1	Goodwin Motors	20000	20000
Industry sponsored Projects	1	Goodwin Motors	25000	25000
Industry sponsored Projects	1	Action Springs India Pvt. Ltd	20000	20000
Industry sponsored Projects	1	BPL Techno Vision Private Limited	20000	20000
Industry sponsored Projects	1	Alstom	20000	20000
Industry sponsored Projects	1	Kantaflex	25000	25000
Industry sponsored Projects	1	Secutrix Technologies	50000	50000
Projects sponsored by the University	1	R.M.K. Engineering College	50000	50000
Students Research Projects (Other than compulsory by the University)	1	Mahindra Electric	100000	100000
Students Research Projects (Other than compulsory by the University)	1	Ministry of Road ways	50000	50000
Students Research Projects (Other than compulsory	1	BEML	75000	0

by the University)				
Major Projects	3.0	SEED TIDE	2619136	0
Industry sponsored Projects	1	Geek Protocol	17000	17000
Industry sponsored Projects	1	Scartnet Innovative It Solution	15000	15000
Industry sponsored Projects	1	Blue Chip Technologies	15000	15000
Industry sponsored Projects	1	Innovate Engineering Solution	10000	10000
Industry sponsored Projects	1	R.M.K. Engineering College	35000	35000
Industry sponsored Projects	1	7 Hills Medicals	25000	25000
Industry sponsored Projects	1	Scartnet Innovative It Solution	12500	12500
Industry sponsored Projects	1	Scartnet Innovative It Solution	18000	18000
Industry sponsored Projects	1	Perpetro Technologies Pvt. Ltd	10000	10000
Industry sponsored Projects	1	Geek Protocol	20000	20000
Industry sponsored Projects	1	Perpetro Technologies Pvt. Ltd	12000	12000
Industry sponsored Projects	1	Perpetro Technologies Pvt. Ltd	25000	25000
Industry sponsored Projects	1	Blue Chip Technologies	18000	18000
Industry sponsored Projects	1	TNSCST	7500	7500
Industry sponsored Projects	1	Nelcast Ltd	15000	15000
Industry sponsored	1	Madras Engineering	15000	15000

Projects		Industries Ltd		
Industry sponsored Projects	1	Arun Heat Systems	10000	10000
Industry sponsored Projects	1	R.R.Industries	10000	10000
Industry sponsored Projects	1	Abref Private Limited	10000	10000
Industry sponsored Projects	1	Arun Heat Systems	14000	14000
Industry sponsored Projects	1	Vls Automations	10000	10000
Industry sponsored Projects	1	Graphtech	50000	50000
Industry sponsored Projects	1	Formtech Engineering	14000	14000
Industry sponsored Projects	1	Srivari Engineering	12000	12000
Industry sponsored Projects	1	Millenium Industries	16000	16000
Industry sponsored Projects	1	LT Rubber Processing Machinery	10000	10000
Industry sponsored Projects	1	Southern Railway	15000	15000
Industry sponsored Projects	1	NLC India Limited	10000	10000
Industry sponsored Projects	1	NLC India Limited	10000	10000
Major Projects	0.6	AICTE	509000	509000
Major Projects	0.6	AICTE	200000	200000
Major Projects	0.6	AICTE	1791000	1791000
Major Projects	0.6	AICTE	981000	981000
Minor Projects	1	TNSCST	7500	7500
Minor Projects	1	Southern Railway	15000	15000
Minor Projects	1	NLC India Ltd	10000	10000

Minor Projects	1	NLC India Ltd	10000	10000
Minor Projects	1	TNSCST	7500	7500
Industry sponsored Projects	1	Secutrix Technologies	50000	50000
Industry sponsored Projects	1	Veiyon Power Safety Solutions	30000	30000
Industry sponsored Projects	1	Veiyon Power Safety Solutions	75000	75000
Industry sponsored Projects	1	Nivi Robotics	100000	100000
Industry sponsored Projects	1	BPL Techno Vision Private Limited	85000	85000
Industry sponsored Projects	1	Micromedia Systems And Consultants	75000	75000
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Recent Trends In Machine Learning And Artificial Intelligence	Electronics and Communication Engineering	13/08/2018
Cyber Security	Electronics and Communication Engineering	22/12/2018
Guest Lecture On Enhancing Programming Skills	Computer Science and Engineering	02/07/2018
Basics On Digital Design	Electronics and Communication Engineering	23/02/2019
Wearable Electronics	Electronics and Communication Engineering	05/03/2019
Symposium CyberNautix	Information Technology	27/08/2018
Guest Lecture on Object Oriented Programming paradigm using Java	Computer Science and Engineering	07/07/2018
Business plan Ideation and Implementation	Electronics and Communication Engineering	16/02/2019
Business Plan Contest	Electronics and Communication Engineering	23/02/2019
CODELITE Hackathon	Information and Technology	16/03/2019

Angular Framework	Information and Technology	01/12/2018
Bootstrap Framework	Information and Technology	05/12/2018
Automation using Embedded C	Electrical and Electronics Engineering	24/05/2018
Trends in Automotive Electronics	Electrical and Electronics Engineering	04/01/2019
Embedded systems trends	Electrical and Electronics Engineering	16/11/2018
Scopes and opportunities of Instrumentation Engineers in Core Industries	Electronics and Instrumentation Engineering	26/06/2018
OOPS concept and Its real time applications	Electronics and Instrumentation Engineering	03/07/2018
Life Skills and Memory Enhancement	Electronics and Instrumentation Engineering	20/07/2018
Guest Lecture on Data Analytics in Healthcare	Computer Science and Engineering	14/02/2019
Guest Lecture and Data Science Hackathon	Computer Science and Engineering	02/02/2019
Workshop on Full Stack Development	Computer Science and Engineering	29/12/2018
Training on Python and machine learning	Computer Science and Engineering	16/11/2019
Overview on Autotronics. Advanced and Future Development of Vehicles	Electrical and Electronics Engineering	11/08/2018
Guest Lecture on How to start Innovative Projects	Computer Science and Engineering	21/08/2018
Guest Lecture on Service oriented architecture	Computer Science and Engineering	27/09/2018
Career opportunities of Electronics Engineers in Automotive Industries and in Research	Electrical and Electronics Engineering	05/03/2019
Guest Lecture on Embedded System. Industry Perspective	Electronics and Communication Engineering	22/02/2019
Guest Lecture on Recent Industry in Embedded System	Electronics and Communication Engineering	14/08/2018
Orientation Programme for Project Contest and Coding Skills	Electronics and Communication Engineering	25/07/2018
One day workshop on C	Electronics and	05/07/2018

Programming Skills	Communication Engineering	
One Day Guest Lecture on Evolution Of NMS and Programmable Networks And Industry	Electronics and Communication Engineering	18/03/2019
Artificial Intelligence	Electronics and Instrumentation Engineering	14/08/2018
Programming Skills	Electronics and Instrumentation engineering	29/09/2018
Gateway To Entrepreneur ship	Electronics and Communication Engineering	11/08/2018
Business Idea Generation	Electronics and Communication Engineering	01/09/2018
Entrepreneur ship Awareness Camp	Electronics and Communication Engineering	04/10/2018
Entrepreneur ship Awareness Camp	Electronics and Communication Engineering	18/09/2018
Journey of an Entrepreneur	Electronics and Communication Engineering	05/01/2019
Branding and Advertising	Electronics and Communication Engineering	12/01/2019
National Workshop on Remote Process Automation	Information Technology	08/12/2018
Guest Lecture on Grid and Cloud Computing	Computer Science and Engineering	07/07/2018
ACM	Information Technology	04/01/2019
One day workshop on web application development	Information Technology	16/02/2019
Role of Technology in Start Ups	Electronics and Communication Engineering	02/02/2019
Business plan Ideation and Implementation	Electronics and Communication Engineering	16/02/2019
Business Plan Contest	Electronics and Communication Engineering	23/02/2019
CODELITE Hackathon	Information and Technology	16/03/2019
Angular Framework	Information and Technology	01/12/2018
Bootstrap Framework	Information and Technology	05/12/2018
Automation using Embedded C	Electrical and Electronics Engineering	24/05/2018
Trends in Automotive Electronics	Electrical and Electronics Engineering	04/01/2019
Embedded systems trends	Electrical and Electronics Engineering	16/11/2018

Security Incident and Event management	Computer Science and Engineering	22/12/2018
SIEM and Application Security Essential	Computer Science and Engineering	08/01/2019
Basic Network Security	Computer Science and Engineering	16/11/2018
Insight into Cyber Security	Computer Science and Engineering	19/03/2019
Artificial Intelligence and Big Data Analytics	Computer Science and Engineering	13/08/2018
AI in Chatbot Development	Computer Science and Engineering	10/10/2018
AI Project	Computer Science and Engineering	23/02/2019
Data Analytics in Health Care	Computer Science and Engineering	14/02/2019
Machine Learning, Python and Hadoop	Computer Science and Engineering	30/11/2018
Workshop on Data Analytics in HealthCare	Computer Science and Engineering	20/09/2019
Training on Python and machine learning	Computer Science and Engineering	14/06/2019
TechTalk on Women in Data Science	Computer Science and Engineering	08/03/2019
One Day Guest Lecture on Emerging Trends in Information and Communication Technologies	Electronics and Communication Engineering	23/02/2019
One Day Guest Lecture on Digital Transformation in Telecommunications	Electronics and Communication Engineering	16/02/2019
One Day FDP on Recent Trends in 5G Technologies	Electronics and Communication Engineering	02/11/2018
One Day Guest Lecture on Opportunities in Telecom industry conducted by Wipro Technologies	Electronics and Communication Engineering	05/09/2018
Programming in C	Electrical and Electronics Engineering	07/07/2018
Seminar on Integrators Perspective on TELECOM	Electronics and Communication Engineering	10/08/2018
Transients in Power systems	Electrical and Electronics Engineering	28/07/2018
Robotics Automation	Electrical and Electronics Engineering	25/08/2018
Programming in C	Electronics and Communication Engineering	16/02/2019

Digital transformation	Electrical and Electronics Engineering	01/09/2019
Road show for Automotive CoE Students	Electronics and Communication Engineering	09/07/2018
Programming on Python	Electrical and Electronics Engineering	01/09/2018
Technologies on Embedded Systems	Electrical and Electronics Engineering	17/09/2018
C Coding	Electrical and Electronics Engineering	22/09/2018
Inlearn Technologies on IoT and its applications	Electrical and Electronics Engineering	22/09/2018
Embedded systems	Electrical and Electronics Engineering	13/02/2019
Robotics Automation	Electrical and Electronics Engineering	13/02/2019
Fundamental s of Programming	Electrical and Electronics Engineering	23/02/2019
Programming in C	Electrical and Electronics Engineering	23/02/2019
Blitzgrieg	Electrical and Electronics Engineering	27/08/2018
Integration of wind and solar by using ICT	Electrical and Electronics Engineering	04/01/2019
Guest Lecture on Amazon Web Services	Computer Science and Engineering	24/08/2018
Power Seminar on Cloud Computing	Computer Science and Engineering	01/09/2019
Training on Salesforce	Computer Science and Engineering	02/02/2019
Guest Lecture on Cloud Computing	Computer Science and Engineering	15/02/2019
Hackathon	Computer Science and Engineering	16/03/2019
Inauguration of Civil Engineering Students association	Civil Engineering	28/07/2018
Motivational talk	Civil Engineering	22/01/2019
Colosseum	Civil Engineering	27/08/2018
Motivational talk	Civil Engineering	11/07/2018
Machine Learning	Electronics and Communication Engineering	25/07/2018
FDP on Introduction to Cloud Infrastructure and Services	Computer Science and Engineering	07/12/2018
Python Programming and its Applications	Science and Humanities	13/08/2018

Engineering Applications of Differential and Integral Calculus	Science and Humanities	24/08/2018
Elastic and thermal properties of material and its applications	Science and Humanities	13/08/2018
Guest Lectures on Scopes and opportunities of Instrumentation Engineers in Core Industries	Science and Humanities	28/06/2018
Guest Lectures on OOPS	Science and Humanities	03/07/2019
Guest Lectures on Life Skills and Memory Enhancement	Science and Humanities	20/07/2018
Guest Lectures on Artificial Intelligence	Science and Humanities	14/08/2019
Skill Development on Programming Skills	Science and Humanities	29/09/2019
RF Filter Design	Electronics And Communication Engineering	07/07/2018
Guest Lecture on Computer network and wireless communication	Information Technology	07/07/2018
Guest Lecture on Grid and cloud computing	Information Technology	07/07/2018
Guest Lecture on Ethical hacking	Computer Science and Engineering	10/08/2018
Guest Lecture on Object oriented programming	Information Technology	10/07/2018
Guest Lecture on Java based web application	Information Technology	10/07/2018
Guest Lecture on Network Security	Information Technology	21/07/2018
Guest Lecture on Cryptography and Network Security	Computer Science and Engineering	11/08/2018
Guest Lecture On Ethical Hacking	Information Technology	10/08/2018
Guest Lecture on Service Oriented Architecture	Information Technology	27/09/2018
Guest Lecture on Artificial Intelligence	Information Technology	23/02/2019
Guest Lecture on Full Stack Development	Information Technology	07/03/2019
Paper Presentation	Information Technology	16/02/2018
Project Contest	Information Technology	14/02/2018
Guest Lecture on Role of Cloud in Internet	Computer Science and Engineering	29/09/2018

Programming		
Guest Lecture on Artificial Intelligence and Machine Learning	Computer Science and Engineering	04/01/2019
Guest Lecture on Database Management Systems ER Modeling and Normalization	Computer Science and Engineering	02/03/2019
Guest Lecture on Artificial Intelligence	Computer Science and Engineering	07/03/2019
Guest Lecture on Cold storage chain opportunities in India	Mechanical Engineering	27/09/2018
Remote process Automation	Mechanical Engineering	08/12/2018
Basics of Power Plant Operation with a Real Case Study	Mechanical Engineering	05/07/2018
Magnesium Based Materials for 21ST	Mechanical Engineering	21/07/2018
Lean Manufacturing	Mechanical Engineering	11/08/2018
Product Costing	Mechanical Engineering	11/08/2018
Aero Mechanical Design	Mechanical Engineering	11/08/2018
Selection of Appropriate Manufacturing Technique	Mechanical Engineering	12/09/2018
Moulding and Bonding of Thermoplastics	Mechanical Engineering	22/09/2018
SMART	Mechanical Engineering	22/09/2018
Recent Trends in Automotive Industry	Mechanical Engineering	08/01/2019
Basics of FMEA and A Case Study	Mechanical Engineering	02/02/2019
Fundamentals of Automotive Design	Mechanical Engineering	23/02/2019
Workshop on Machine Learning	Electronics and Communication Engineering	25/07/2018
Recent trends in 5G Technologies	Electronics and Communication Engineering	02/11/2018
Remote process Automation	Electronics and Communication Engineering	08/12/2018
Recent Trends in Renewable energy sources	Electronics and Communication Engineering	20/12/2018
Internet of Things	Electronics and Communication Engineering	24/12/2018
National Level Technical Symposium. Instronics	Electronics and Instrumentation Engineering	27/08/2018
Two Wheeler Engine Assembling and	Mechanical Engineering	28/08/2018

Dismantling		
Bajaj Pulsar Engine Assembling and Dismantling	Mechanical Engineering	14/02/2019
Recent Innovation in Mechanical Engineering (RIME 2018)	Mechanical Engineering	19/05/2018
Impulse 2018	Mechanical Engineering	27/08/2018
Challenges of Civil Engineers in construction industry	Civil Engineering	14/08/2018
Opportunities in Civil Engineering	Civil Engineering	14/08/2018
Compress Ed Sensing	Electronics and Communication Engineering	21/07/2018
Introduction to 5G Technologies	Electronics and Communication Engineering	21/07/2018
Transmission Lines And Networks	Electronics and Communication Engineering	25/07/2018
Special Guest Lecture on Importance of Programming Language	Information Technology	28/07/2018

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Best Industry Linked Institution	Computer Science and Engineering and Information Technology Departments	AICTE	05/10/2018	AICTE CII - Best Industry Linked Institution
Smart waste management system using IOT	Ms.M.Aparna, Ms. A.Akalya, Ms.R.Divya Nachiar	AICTE	20/01/2019	AICTEECIISTE Chhatra Vishwakarma Awards2018
Eminence Performance	Mr. G. Naresh Babu	IEI	11/03/2019	Best Student Award
Eminence Performance	Mr. G Vishwa	IEI	11/03/2019	Best Student Award
Eminence Performance	Mr. M. Dinesh	IEI	11/03/2019	Best Student Award
Eminence Performance	Mr. J. Lakshmanan	IEI	11/03/2019	Best Student Award
Eminence Performance	Mr. V. Saran Kumar	IEI	11/03/2019	Best Student Award
Front End Engineering	Mr. K. Chidambarathanu	Virtusa	20/11/2018	Best Faculty award
Eminence Performance	Department of Civil Engineering	IEI	28/10/2018	Best Chapter Award TISLA 2018

Eminence Performance	Dr. Binu Sukumar	Venus International Foundation	07/07/2019	Distinguished Faculty in Engineering Award VIFA 2018
Eminence Performance	Dr. Binu Sukumar	IEI	28/10/2018	Academic Professional Icon Award TISLA 2018
Eminence Performance	Department of Civil Engineering	IEI	11/03/2019	Best Division Award
Eminence Performance	Ms. Sravani S	ISTE	05/10/2018	Best Student Award
Eminence Performance	Dr. Y. Sukhi	IEI	11/03/2019	Best Women Award
Eminence Performance	Ms.K.S Nivethitha	IEI	11/03/2019	Best Student Award
An Automatic IVF Changer and drip rate controller with vital sign monitoring	Ms. P.Mythili Ms. Nivethitha K.S Ms. V.Pandiselvi	ICT Academy	05/10/2018	ICT Academy Student Innovator award
Best Engineering College Students Chapter	Mr.S.Jagadeesh Babu	IEI	11/03/2019	Third Best Engineering College Students Chapter for the Year 20182019
Overall performance in academics and extracurricular activities	Mr. Ranadheer G,MECH Dept	IEI	11/03/2019	Best Student Award
BEST MENTOR Award	Dr.N.M.JothiSwaroopan	Dr.Kalam Educational Trust	15/10/2019	National Level Award on BEST MENTOR 2019
BEST MENTOR Award	Dr.R.Suresh Kumar	Dr.Kalam Educational Trust	15/10/2019	National Level Award on BEST MENTOR 2019
Leadership Award	Dr. K. A. Mohamed Junaid	Dr.Kalam Educational Trust	15/10/2019	Leadership Award
YOUNG ACHIEVER AWARD 2019	Mr. Sai Vignesh R	Dr.Kalam Educational Trust	15/10/2019	YOUNG ACHIEVER AWARD 2019
YOUNG ACHIEVER AWARD 2019	Mr. Tamil Vendhan K	Dr.Kalam Educational Trust	15/10/2019	YOUNG ACHIEVER AWARD 2019
YOUNG ACHIEVER AWARD 2019	Mr. Thejeshwar A	Dr.Kalam Educational Trust	15/10/2019	YOUNG ACHIEVER AWARD 2019

Best Paper Award Special Appreciation Award	Mr. M Dinesh	IEI	14/09/2018	Best Paper Award Special Appreciation Award
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
RMKEC-MSME Technology Incubator	RMKEC-MSME Technology Incubator	MSME	Medelect Instruments	Limited Liability Partnership	06/03/2019
RMKEC-MSME Technology Incubator	RMKEC-MSME Technology Incubator	MSME	Kattral Karbithal Gnanasekaran Thangavel	Private Limited	14/01/2019
RMKEC-MSME Technology Incubator	RMKEC-MSME Technology Incubator	MSME	Device 2 Divinity M Somasundaram	Private Limited	19/10/2019
RMKEC-MSME Technology Incubator	RMKEC-MSME Technology Incubator	MSME	Suryan Innovators Jothi Swaroopan N M	Private Limited	16/10/2019
RMKEC-MSME Technology Incubator	RMKEC-MSME Technology Incubator	MSME	Bucoli Agri Innovators Y Sukhi	Private Limited	04/01/2019
RMKEC-MSME Technology Incubator	RMKEC-MSME Technology Incubator	MSME	Bix Fly Padmavathy T V	Private Limited	14/01/2019
RMKEC-MSME Technology Incubator	RMKEC-MSME Technology Incubator	MSME	MKM Technologies G Marimuthu	Private Limited	19/01/2019
RMKEC-MSME Technology Incubator	RMKEC-MSME Technology Incubator	MSME	Master Mind Robotic And IoT Vijay Anand K	Private Limited	10/10/2018
RMKEC-MSME Technology Incubator	RMKEC-MSME Technology Incubator	MSME	Mechdons Innovators Kalaiselvam V	Private Limited	13/02/2019
RMKEC-MSME Technology Incubator	RMKEC-MSME Technology Incubator	MSME	Lahza Paints and Dispensers Sarankumar V	Private Limited	12/12/2018
RMKEC-MSME Technology Incubator	RMKEC-MSME Technology Incubator	MSME	EdUVR Rohith Nanthan B	Private Limited	01/01/2019
RMKEC-MSME Technology Incubator	RMKEC-MSME Technology Incubator	MSME	Lettr Jaladanki Sri Venkata Sumanth	Private Limited	01/01/2019

			Naidu		
RMKEC-MSME Technology Incubator	RMKEC-MSME Technology Incubator	MSME	Mobilitron Engineering P T V Yuvanshanhar	Private Limited	25/01/2019
RMKEC-MSME Technology Incubator	RMKEC-MSME Technology Incubator	MSME	Agrigenics Charith V	Private Limited	01/01/2019
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
28	38	26

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Computer Science and Engineering	1
Electrical and Electronics Engineering	3
Electronics and Communication Engineering	1
Information Technology	1
Mathematics	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Electronics and Instrumentation Engineering	1	0.0
International	Electronics and Instrumentation Engineering	15	0.26
National	Mechanical Engineering	9	0.07
International	Mechanical Engineering	14	3.24
National	Information Technology	7	0.0
International	Information Technology	4	1.33
National	Science and Humanities	3	0.0
International	Science and Humanities	12	2.03
National	Civil Engineering	7	0.0
International	Civil Engineering	1	0.0
National	Computer Science	14	0.01

	and Engineering		
International	Computer Science and Engineering	14	0.87
National	Electrical and Electronics Engineering	10	0.0
International	Electrical and Electronics Engineering	9	0.90
National	Electronics and Communication Engineering	2	0.0
International	Electronics and Communication Engineering	16	1.76
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Civil Engineering	34
Computer Science and Engineering	25
Electrical and Electronics Engineering	22
Electronics and Communication Engineering	47
Electronics and Instrumentation Engineering	17
Mechanical Engineering	34
Information Technology	22
Science and Humanities	27
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Thermal and solutal stratification on MHD nanofluid flow over a porous vertical plate	Kandasamy R., Dharma lingam R., Sivagnana Prabhu K.K.	Alexandria Engineering Journal	2018	12	Sivagnana Prabhu, K.K., Department of General Engineering, R.M.K. Engineering College, Anna University, India	12

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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Different parameters affecting the condensation rate on an active solar stillA review	A. Muthu Manokar, M. Vimala, D. Prince Winston, R. Ramesh, Ravishankar Sathyamurthy, P. K. Nagarajan, R. Bharath waaj.	Environmental Progress and Suitable Energy	2018	7	7	M. Vimala, Electrical and Electronics Engineering, R.M.K. Engineering College, Chennai, India

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	113	34	74
Presented papers	43	1	0	0
Resource persons	0	2	3	7

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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharat Abhiyan	Eco Club / NSS / YRC / UBA	25	122
Unnat Bharat Abhiyan	UBA / Eco Club	25	183
Skill Development Program for schools	UBA / Prime Minister's Vidyanjali Yojana	22	0
Skill Development programs	UBA - Participation in School Education	28	8
Participation in Gram Sabhas	UBA	6	0
Village base line survey at Pudevoyal,	UBA To identify and understand the specific problems	7	25

Kilmudalambedu, Melmudalambedu, Chinnakavanam, Madharpakkam	of the village. The same is communicated to MHRD		
Blood Donation Camp sponsored by Right Hospitals on 07.08.2018	YRC	5	220
Soft skills training program to Corporates a) Communciation skill training to production workers, first line managers and middle managers of Nucleus Satellite Communication Madras Pvt. Ltd., Sree City	Higher Education cell, RMKEC	6	4
Leadership skills to the heads of the departments of Nucleus Satellite Communication Madras Pvt. Ltd., Sree City,	Higher Education cell, RMKEC	6	4
Personal effectiveness and stress management training to the engineers of Kamachi Industries Pvt.Ltd.,Gummidipoo ndi	Higher Education cell, RMKEC	6	4
Functions and Managerial skills Decision making (6 Thinking Hats) training to mille managers of Nittanindia tech ltd., Sree city	Higher Education cell, RMKEC	6	4
Training on Influencing people, Decision making, Stress Management, change management to senior executives of Nittanindia tech ltd., Sree city	Higher Education cell, RMKEC	6	4
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Smart India Hackathon	First prize	AICTE	18
Quality of Canteen	Food Safety Award	FSSAI Food Safety Standards Authority of India) Government of Tamilnadu.	15000
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Prime Minister's Vidyanjali Yojana - Faculty development program	UBA - Participation in school education	Department of S H (General Engineering) Faculty members conducted FDP on Computing Skills for the teachers of Government Primary school, Kavaraipettai (Kilmudalambedu)	6	0
Prime Minister's Vidyanjali Yojana - Value added course for students	UBA - Participation in school education	Department of S H conducted value added courses for the students of Government Primary school, Kavaraipettai (Kilmudalambedu)	7	0
Unnat Bharat Abhiyan	UBA - Technology Development Projects	Inaugurated MHRD funded Agro App - Farmer's handbook Project	4	4
Unnat Bharat Abhiyan	UBA - Technology Development Projects	Inaugurated MHRD funded Agro Automation - Smart Farming	4	4
Two Bin Waste Management System Institution wise	Eco Club	Guest Lecture Shri. R.S. Krishnan, Assistant Project	12	283

implementation of Two Bin System		Officer, Regional Directorate of Municipal Administration, Govt. of Tamil Nadu		
Swachh Bharat Summer Internship 100 Hours of Swachhata	Eco Club	District Tiruvallur Block : Ellapuram Village : Kumarapettai	6	10
Swachh Bharat Summer Internship 100 Hours of Swachhata	Eco Club	District Tiruvallur Block : Poonamallee Village : Soranji (part)	6	12
Awareness program for the students	Quality Enhancement Cell and Eco Club	Painting and poster making Environmental Conservation (No plastics / Water conservation / pollution etc.)	9	31
Awareness program for the students	Quality Enhancement Cell and Eco Club	Debate Conservation and development can / cannot go hand in hand.	8	53
Swachht Bharat Abhiyan	Effective plastic waste management	Faculty awareness program by Dr.M. Meena, Dept. of SH (Chemistry) R.M.K. Engineering College	43	0
Swachht Bharat Abhiyan	Effective solid waste management	Faculty awareness program by Dr.V. Srinivasan, Dept. of SH (Chemistry) R.M.K. Engineering College	43	0
Unnat Bharat Abhiyan	UBA Effective solid waste management	Awareness program on conversion of Municipal solid	20	122

		waste to biomanure		
Unnat Bharat Abhiyan	UBA Effective solid waste management	Installation of Micro composting Center for conversion of Municipal solid waste to biomanure	20	122
Unnat Bharat Abhiyan	UBA - Participation in school education Skill Development Program • Identifying Positives (IX Std) • Planning (X std.) • Balancing Priorities (XI std.) Creating first Impression (XII std.)	Student members of RMKEC in "Talent Quest for India" and under Unnat Bharat Abhiyan 2 conducted personality development modules for students from Class 9 to Class 12 in Government Boys Higher Secondary School, Ponneri.	8	38
Prime Minister's Vidyanjali Yojana - Faculty development program	UBA - Participation in school education	Department of S H (English) Faculty members conducted FDP on Communicative English for the teachers of Government Primary school, Kavaraipettai (Kilmudalambedu)	12	0
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Contractual Research	S.RAJESH	TN SCST	88
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry	Duration From	Duration To	Participant

		/research lab with contact details			
Papers Authored	Jointly published Paper	SOFTLOGIC SYSTEMS	04/03/2019	04/03/2019	Ms.P.Latha
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
The Princeton Review, Manya group	30/03/2019	GRE / TOEFL/IELTS coaching	269
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
2170	2171

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Newly Added
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Newly Added
Video Centre	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Others	Existing

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Auto Lib	Fully	Web Based	2003

4.2.2 – Library Services

Library	Existing	Newly Added	Total

Service Type						
Text Books	95881	36100000	1631	1003000	97512	37103000
Reference Books	3350	6261000	68	119000	3418	6380000
e-Books	565	552000	570	13000	1135	565000
Journals	2316	3112000	96	202000	2412	3314000
e-Journals	20015	14100000	207	1060000	20222	15160000
Digital Database	63	13700000	7	1060000	70	14760000
CD & Video	4150	60000	100	18000	4250	78000
Library Automation	1	115000	1	10000	2	125000
Weeding (hard & soft)	1118	335000	52	15000	1170	350000
Others(specify)	1	51000	0	15000	1	66000
Others(specify)	15	157000	3	35000	18	192000
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Ms.P.Latha	Selective Repeat (Role Play)	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/10/2018
Ms.P.Latha	Go BackN (Role Play)	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/10/2018
Mr.A.Sivakumar	Open Loop Control Systems	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/10/2018
Mr.A.Sivakumar	Components of a Feedback Control System	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/10/2018

Ms.V.Sumitra	Mobility of Electrons (Role Play)	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/10/2018
Mr.S.P.Vijaya Vardhan Reddy	Smith Chart	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/10/2018
Mr.K.Naresh Kumar Thapa	Sampling Theorem	recorded using web camera or video camera or Power point presentation and uploaded in youtube	28/11/2018
Mr. J Umamageswaran	Production rule for Water Jug Problem	recorded using web camera or video camera or Power point presentation and uploaded in youtube	06/02/2019
Mr. J Umamageswaran	Problem Chareterstics in Artificial Intelligence	recorded using web camera or video camera or Power point presentation and uploaded in youtube	06/02/2019
Mr. J Umamageswaran	Introduction to output primitive	recorded using web camera or video camera or Power point presentation and uploaded in youtube	06/02/2019
Dr K Vijaya	Binary Search	recorded using web camera or video camera or Power point presentation and uploaded in youtube	08/02/2019
Ms. L Ancy Geoferlla	Binary Search	recorded using web camera or video camera or Power point presentation and uploaded in youtube	08/02/2019
Mr Chittibabu	Introduction to normalization	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/02/2019

Mr Chittibabu	3Nf and BCNF	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/02/2019
Mr. J UmaMageswaran	DEBATE ON MACHINE INTELLIGENCE	recorded using web camera or video camera or Power point presentation and uploaded in youtube	12/02/2019
Mr.P.Gunasekhar	Astable Multivibrator	recorded using web camera or video camera or Power point presentation and uploaded in youtube	13/02/2019
Mr.T.Joel	Diode Clipper (Positive Clipper)	recorded using web camera or video camera or Power point presentation and uploaded in youtube	13/02/2019
Mr. K ChittiBabu	Exceptional Handling	recorded using web camera or video camera or Power point presentation and uploaded in youtube	13/02/2019
Mr. K ChittiBabu	4NF and 5NF	recorded using web camera or video camera or Power point presentation and uploaded in youtube	13/02/2019
Mr. K ChittiBabu	1NF and 2NF	recorded using web camera or video camera or Power point presentation and uploaded in youtube	13/02/2019
Ms S A Angayarkanni	MIPS Addressing Mode	recorded using web camera or video camera or Power point presentation and uploaded in youtube	13/02/2019
Ms S A Angayarkanni	Vehicular AdHoc Network (VANET)	recorded using web camera or video camera or Power point presentation and uploaded in youtube	13/02/2019

Dr.G.Babu	Infrared Based Glucometer with Insulin Calculator and Updation in Cloud Server	recorded using web camera or video camera or Power point presentation and uploaded in youtube	16/02/2019
Ms. S A Angayarkanni	Impact of Electromagnetic waves on our Environment	recorded using web camera or video camera or Power point presentation and uploaded in youtube	16/02/2019
Ms. S A Angayarkanni	Migration of Mobile Communication Generations	recorded using web camera or video camera or Power point presentation and uploaded in youtube	16/02/2019
Ms. L. Ancy Geoferla	Common plants and animals field study	recorded using web camera or video camera or Power point presentation and uploaded in youtube	18/02/2019
Mr K Chittibabu	Introduction to DAA	recorded using web camera or video camera or Power point presentation and uploaded in youtube	18/02/2019
Ms. R Rajitha Jasmine	Object oriented Analysis Design overview	recorded using web camera or video camera or Power point presentation and uploaded in youtube	19/02/2019
Ms. L. Ancy Geoferla	MIPS Instruction Formats	recorded using web camera or video camera or Power point presentation and uploaded in youtube	19/02/2019
Ms. L. Ancy Geoferla	Conversion of Regular Expression to NFA	recorded using web camera or video camera or Power point presentation and uploaded in youtube	19/02/2019
Mr.P.Gunasekhar	Astable Multivibrator	recorded using web camera or video camera or Power point presentation and uploaded in youtube	20/02/2019

Mr.T.Joel	Diode Clipper (Positive Clipper)	recorded using web camera or video camera or Power point presentation and uploaded in youtube	20/02/2019
Ms Prathusha Laxmi B	Java Fundamentals	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/03/2019
Dr.M.Mudhukrishnan	Electrical Discharge Machining	recorded using web camera or video camera or Power point presentation and uploaded in youtube	15/04/2019
Mr.P.Ramesh	Failure Modes and Effect Analysis (FMEA)	recorded using web camera or video camera or Power point presentation and uploaded in youtube	16/04/2019
Dr.R.Sureshkumar	Transmission System	recorded using web camera or video camera or Power point presentation and uploaded in youtube	23/04/2019
Mr.R.L.Sankarlal	Introduction to Engineering Mechanics	recorded using web camera or video camera or Power point presentation and uploaded in youtube	26/04/2019
Ms. Angayarkanni S	Roleplay on pipelining	recorded using web camera or video camera or Power point presentation and uploaded in youtube	30/04/2019
Ms. Prathusha Laxmi	Linear Search Role Play	recorded using web camera or video camera or Power point presentation and uploaded in youtube	30/06/2019
Ms. L. Ancy Geoferla	Phases of Compiler	recorded using web camera or video camera or Power point presentation and uploaded in youtube	30/06/2019

Ms S A Angayarkanni	Networking Terminologies	recorded using web camera or video camera or Power point presentation and uploaded in youtube	30/06/2019
Ms.A Thilagavathy	Transparency	recorded using web camera or video camera or Power point presentation and uploaded in youtube	04/10/2018
Mr.R Vidhya Prakash	Wireless LAN	recorded using web camera or video camera or Power point presentation and uploaded in youtube	04/10/2018
Ms. S Radhika	Inheritance in Java	recorded using web camera or video camera or Power point presentation and uploaded in youtube	04/10/2018
Ms.P Kavitha	2D Transformation	recorded using web camera or video camera or Power point presentation and uploaded in youtube	04/10/2018
Dr. K Anitha	Page Replacement Algorithms	recorded using web camera or video camera or Power point presentation and uploaded in youtube	04/10/2018
Ms.R Dhanalakshmi and Ms.S Srijayanthi	Singly Linked List (Role Play)	recorded using web camera or video camera or Power point presentation and uploaded in youtube	04/10/2018
Dr.T Sethukarasi	Merge Sort (Role Play)	recorded using web camera or video camera or Power point presentation and uploaded in youtube	04/10/2018
Mr.T Ramesh	Phases of Compiler	recorded using web camera or video camera or Power point presentation and uploaded in youtube	04/10/2018

Dr.Sandra Johnson	Congestion Control (Role Play)	recorded using web camera or video camera or Power point presentation and uploaded in youtube	04/10/2018
Dr.B Jaison	ISO 9000 Standards (Group Discussions)	recorded using web camera or video camera or Power point presentation and uploaded in youtube	04/10/2018
Dr.Sandra Johnson	Boolean Expression Simplification using KMap	recorded using web camera or video camera or Power point presentation and uploaded in youtube	09/10/2018
Dr.S Selvi	Encoders and Decoders	recorded using web camera or video camera or Power point presentation and uploaded in youtube	09/10/2018
Ms.N Banupriya	Queue ADT	recorded using web camera or video camera or Power point presentation and uploaded in youtube	09/10/2018
Ms.R Dhanalakshmi	Stack ADT	recorded using web camera or video camera or Power point presentation and uploaded in youtube	09/10/2018
Ms.S Srijyanthi	Packages	recorded using web camera or video camera or Power point presentation and uploaded in youtube	09/10/2018
Mr.R Vidhya Prakash Ms.A Thilagavathy	Android Vs ios (Debate)	recorded using web camera or video camera or Power point presentation and uploaded in youtube	09/10/2018
Dr.Kavitha P	DC DC converter	recorded using web camera or video camera or Power point presentation and uploaded in youtube	10/10/2018

Ms. M. Kayalvizhi	PLC based three tank controller	recorded using web camera or video camera or Power point presentation and uploaded in youtube	10/10/2018
Ms. K.R. Chairma lakshmi	Measurement of flow	recorded using web camera or video camera or Power point presentation and uploaded in youtube	10/10/2018
Ms. M. Kayalvizhi	Design of counters	recorded using web camera or video camera or Power point presentation and uploaded in youtube	10/10/2018
Ms. K.R. Chairma lakshmi	Measurement of Temperature	recorded using web camera or video camera or Power point presentation and uploaded in youtube	10/10/2018
Mr. E. Kesavan	Potentiometer	recorded using web camera or video camera or Power point presentation and uploaded in youtube	10/10/2018
Dr. S. Vijayalakshmi	Introduction to stability	recorded using web camera or video camera or Power point presentation and uploaded in youtube	10/10/2018
Ms. B.Praveena	Rectifier type instrumentsVideo lecture	recorded using web camera or video camera or Power point presentation and uploaded in youtube	10/10/2018
Ms. M. Kayalvizhi	Strain gauge Role play	recorded using web camera or video camera or Power point presentation and uploaded in youtube	10/10/2018
Dr. Gnanasekaran T	PN junction diodePPT	recorded using web camera or video camera or Power point presentation and uploaded in youtube	10/10/2018

Ms. B.Praveena	Energy meter Model based Demo	recorded using web camera or video camera or Power point presentation and uploaded in youtube	10/10/2018
Mr. G. Marimuthu	Single phase induction motor in ceiling fan Model based Demo	recorded using web camera or video camera or Power point presentation and uploaded in youtube	10/10/2018
Prof.M.Somasundaram	Sustainable Development	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/10/2018
Dr.T.Blesslin Sheeba	Signals and Systems Basics	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/10/2018
Dr.S.Joshua Kumaresan	EMF Coordinate Systems	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/10/2018
Mr.S.Jagadeesh Babu	Cognitive Radio using Mixed Signal Processing	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/10/2018
Ms.P.Latha	Flow Control Algorithm Stop and Wait (Role Play)	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/10/2018
Ms.B.Jeyapoornima	Modulation (Role Play)	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/10/2018
Ms.V.Sumitra	Multiplexer (Role Play)	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/10/2018

Ms.V.Sumitra	Demultiplexer (Role Play)	recorded using web camera or video camera or Power point presentation and uploaded in youtube	11/10/2018
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	1055	769	1055	0	172	14	90	470	10
Added	0	0	0	0	0	0	0	0	0
Total	1055	769	1055	0	172	14	90	470	10

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

470 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
1. Lecture Capturing System (LCS) 2. Recording Facility: 3. Smart Class Rooms: 4. Board Room:	http://www.rmkec.ac.in/cel/uploads/econtent_facility.mp4

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
600	605	1570	1566

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Class Room : R.M.K. Engineering College is adorned with excellent infrastructural facilities. It has ample number of class rooms, tutorial rooms, department libraries with reading room facility, faculty rooms, department seminar halls, state of art laboratories with sophisticated equipments. Every class room is equipped with LCD projector facility with a LCD display screen, notice board, display board and dust bin to inculcate the habit of cleanliness among the students. Every department has a smart class room which has a smart board. This smart board is an interactive white board with touch screen display connected to the internet. Real time videos and demos are displayed using this smart board to make the teaching learning process an innovative one. Animation, simulation outputs along with power point presentations are also made using these smart boards. Elearning and self learning are encouraged by introducing the students to the NPTEL lectures by eminent Professors and experts. Library :

The Library and the Information centre have separate reading and reference section to service the Undergraduate and the Post graduate students, staff members and research scholars. The annual budget of our Central Library is around 32 Lakhs. The Central Library is covered with huge collection of 97512 volumes and 26252 titles, including all major fields of science and engineering technology with international standard resources. The Books are classified and arranged according to the Dewey decimal classification (DDC 22nd Ed.) scheme.

The Library has subscribed for the ejournals packages of IEEE (ASPP), ASME, ASCE, IETE, IEI, DELNET, NDL along with 96 national journals and 85 national technical Magazines and general magazines. The Library provides for the staff and students such as OPAC, Multimedia, Internet, and Proceedings, Reports and CD ROMs Collections to both faculty and students. It also has photocopying the reference materials, journal articles and other printed materials. A Book bank is maintained for the deserving candidates. The library has separate Standard Library Automation Package, Auto Lib - Integrated Library Management software with Web based Software for their effective library services such as Issue, Return, Renewal and Reservation of resources. Computer Centre : The computer centre has a universal central facility, which provides computing support and internet services to the user community consisting of students, faculty, research staff and office staff for academic and office automation purposes. The centre supports an institute wide fiber optic network that connects all the academic departments, hostels, library and other central facilities to the computer centre. Internet access is provided through 470 Mbps dedicated internet link. It has a number of state of the art services and licensed application softwares. It has a power back up through a 246 KVA UPS and 1105 KVA generator set. Airconditioning is provided by the central air conditioning system. Sports Facilities: The college has an excellent standard 400M athletic Track, a cricket ground, basket ball, ball badminton, volleyball, hockey, football, tennis kabaddi courts. The college hostel is equipped with an air conditioned gymnasium with state of the art equipment for men. A separate gymnasium for women.

<http://rmkec.ac.in/cel/uploads/C%204.4.2%20Procedures%20and%20Policies%20RMKEC.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Fee Exemption Merit Academic Cultural Sports Scholarships	1359	3257650
Financial Support from Other Sources			
a) National	State (BC/MBC/SC/ST/First Graduate) / Central (Minority/Merit) Scholarships	1024	12070360
b) International	Nil	0	0
No file uploaded.			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability	Date of implemetation	Number of students	Agencies involved
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enhancement scheme		enrolled	
Career Orientation Programme for first year	03/09/2018	714	Mr. Jayaprakash Gandhi, Educational Consultant
Motivation Programme	17/09/2018	714	Mr.T.Raghunath, Director, Relax Academy
Campus Interview Readiness Programme	02/07/2018	853	M/s. SMART Training Resources Ltd.
Skillrack Weekly Assessment for Campus Interview Preparation (Aptitude and Coding)	02/07/2018	3017	SkillRack.com web portal by PeeCee Castle Software Services Private Limited
Communication Skills BEC Training	02/07/2018	816	M/s. SMART Training Resources Ltd.
Mock Online Aptitude Test	02/07/2018	816	M/s. SMART Training Resources Ltd.
Personality Development Programme	02/01/2019	806	M/s. JADE Training Resources
Mission Possible Interview Skills improvement workshop	30/01/2019	853	Mr. Suresh Punjabi, Motivational Speaker and Trainer, Academy for Individual Development and Corporate Excellence
Aptitude Training Programme	02/07/2018	853	M/s. SMART Training Resources
Company Specific Training for Campus Interview Preparation	02/07/2018	853	RMKEC
Language lab	02/07/2018	841	RMKEC
Remedial coaching	18/07/2018	204	RMKEC
Bridge courses	25/06/2018	40	RMKEC
Yoga	21/06/2018	33	ECO Club, RMKEC
Meditation	21/06/2018	33	ECO Club, RMKEC
Personal Counselling	02/07/2018	3017	RMKEC
Mentoring	02/07/2018	3017	RMKEC
No file uploaded.			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited	Number of benefited	Number of students who	Number of students placed
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		students for competitive examination	students by career counseling activities	have passed in the comp. exam	
2018	Learning Electronics and Tips to crack Presentation on GRE / IELTS Examinations	32	0	0	0
2018	GRE Examinations	105	0	28	0
2018	GATE Examinations	139	0	13	0
2018	Competent Profile building for higher studies & a brief workshop on quants and verbal aptitude and CAT Examinations	75	0	0	0
2018	Education in USA	89	0	0	0
2018	Boot camp on "Education in USA"	54	0	0	0
2018	Educational fair	75	0	0	0
2018	"Selection of Universities and requirements for admissions into top ranked US universities"	79	0	0	0
2018	Education in Australia	86	0	0	0
2018	Education in Binghamton University	89	0	0	0
2018	Refresher course on Business	51	0	0	0

	English Certificate				
2018	On-Campus GRE / IELTS classes	17	0	0	0
2019	BEC Examinations	753	0	700	0
No file uploaded.					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
138	534	528	18	111	21
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	21	B.E.	CIVIL ENGINEERING	UNIVERSITY OF NEVADA, LAS VEGAS	M.S.
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	8
GMAT	1
CAT	6
GRE	12
TOFEL	5
Any Other	22
No file uploaded.	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
7th Smt. Manjula Munirathinam Trophy	Zone	160

Cricket Tournament		
Intramural Competitions	College	1170
Literary and Cultural Competitions	College	2000
No file uploaded.		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Inter Zone-4X400 m Relay-Silver	National	1	0	111715105006	Mr. ALBERT PAUL.R
2018	Inter Zone-4X400 m Relay-Silver	National	1	0	111716103064	Mr. PIRUTH IVIRAJAN.A
2018	Inter Zone-400mts - Silver	National	1	0	111716103068	Mr. PRAVEE NKUMAR.S
2018	Inter Zone-400mts HURDLES-Silver	National	1	0	111716103068	Mr. PRAVEE NKUMAR.S
2018	Inter Zone-4X400m Relay-Silver	National	1	0	111716103068	Mr. PRAVEE NKUMAR.S
2018	Inter Zone-Badminton-First place	National	1	0	111717205004 & a Team of 3	Ms. A.SHIVANI REDDY + 3 Students
2018	Inter Zone-Chess-Second place	National	1	0	111715107003 & a Team of 4	Ms. P.R.PR ANITHA + 4 Students
2018	Inter Zone-Volleyball - Third place	National	1	0	111715106149 & a Team of 11	Ms. SHRUTHI.K+ 11 Students
2018	Inter	National	1	0	1117151030	Mr. S.V.CH

	Zone- HAMMER THROW- First Place				83	ANDRA DEVA REDDY
2018	Inter Zone- SHOT PUT- Third place	National	1	0	1117151030 83	Mr. S.V.CH ANDRA DEVA REDDY
2018	IIT-MADRAS -Weight Lifting- Third place	National	1	0	1117151030 83	Mr. S.V.CH ANDRA DEVA REDDY
2018	INTERZONE- Weight Lifting- Third place	National	1	0	1117151030 83	Mr. S.V.CH ANDRA DEVA REDDY
2018	IIT - MADRAS SPORTS FES T-Weight Lifting- Third place	National	1	0	1117171061 05	Mr. SAI LAKSHMI REDDY.P
2018	IIT - MADRAS SPORTS FES T-Weight Lifting- Third place	National	1	0	1117106017 1	Mr. BHARATH YADAV.G
2018	INTERZONE PARALYMPIC S MEET-50 Mts WALK- Third Place	National	1	0	1117161040 97	Mr. Y.LOKESH REDDY
2018	INTERZONE PARALYMPIC S MEET- SHOT PUT- Third Place	National	1	0	1117161040 97	Mr. Y.LOKESH REDDY
2018	INTERZONE PARALYMPIC S MEET- FOOTBALL - First Place	National	1	0	1117151060 10	Mr. ANTONY DHILON MACHADO
2018	INTERZONE PARALYMPIC S MEET-50m	National	1	0	1117106017 1	Mr. M.MAAD HAVAN

	Breast Stroke - Third Place					
2018	INTERZONE PARALYMPIC S MEET-INDIVIDUAL KATA - First Place	National	1	0	111716104097	Mr. V.MADHAN KUMAR
2018	Inter Zone Tournaments -CHESS- Second Place	National	1	0	111716104110	Ms. G.SWETHA
2018	Inter Zone Tournaments -400 HURDLES- Second Place	National	1	0	111716104110	Ms. G.SWETHA
2018	Inter Zone Tournaments -TEAKWON DO- silver	National	1	0	111716104110	Ms. G.SWETHA
2018	Inter Zone Tournaments - VOLLEY BALL-Third Place	National	1	0	111717106012	Ms. H.ARCHANA
2018	Inter Zone Tournaments -TEAKWON DO-silver	National	1	0	111717106012	Ms. H.ARCHANA
2018	Inter Zone Table Tennis - 3rd Place	National	1	0	111715103107 a Team of 4	Mr. V. Narendra Naidu 4 students
2018	Inter Zone-Tennis - First Place	National	1	0	111716114087 & a Team of 4	Mr. M. Jegadesh+ 4 students
2018	Inter Zone-DECTHOLAN - GOLD	National	1	0	111716114087	Mr. M. Jegadesh
2018	Inter Zone-4x400 m Relay-Silver	National	1	0	111716114087	Mr. M. Jegadesh

2018	Inter Zone- HAMMAR THROW - SILVER	National	1	0	111717114004	Mr. ANNAND HAKRISHNAN .M
2018	Inter Zone- SHOT PUT-SILVER	National	1	0	111717114004	Mr. ANNAND HAKRISHNAN .M
2018	Inter Zone- 5000mts- BRONZE	National	1	0	11115205057	Mr. VISANTH.S
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Class Committee: Class Committee is constituted at the beginning of every semester with representatives from the girls, boys, day scholars and hostellers students in every class. The class committee chairperson convenes two meetings every semester along with the Head of the Department and all the faculty members handling the subjects for the class. Class committee meetings are conducted before and after every internal assessment in each semester. The students discuss and give suggestions /feedback related to problems, improvements and difficulties faced in the theory subjects or laboratory classes. HoD's suggest corrective measures like training and workshops for the problems identified with the faculty or any other remedial actions. HoD also gives general comments on the feedback. The minutes of the class committee meetings are forwarded to the academic coordinator for review. The Academic Coordinator also conducts two meetings with the class committee members every semester. They also discuss with the academic coordinator about the subjects and lab sessions, the issues and the need for improvement, if any. The academic coordinator forwards the minutes of the meeting to the respective Heads of the departments and gives suggestions for enhancement.

Department Advisory Committee (DAC): All the departments have constituted the DAC with all the internal and external stake holders students, faculty, alumni, parents and industry experts. Student representatives join the discussion on the review of activities of every semester and the action plan for the next semester. The experts from industry give suggestions on the latest requirements of the industry and the need for specialized training for the students. Students get an opportunity to express their views and also get feedback and suggestions from all the stake holders.

Internal Quality Assurance Cell (IQAC): IQAC also has student members where they can represent any initiative they want the college to implement. This also helps them to be aware of the various quality initiatives undertaken by the college.

Other Committees: In addition to the above committees students are also actively involved in organizing the various events in the annual national level technical symposia and the college sports / cultural activities. Students are also members of the Department Associations, Tech Clubs, Hostel Committees, Entrepreneur Cell, Institution's Innovation Council, and antiragging committee.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

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5.4.2 – No. of enrolled Alumni:

864

5.4.3 – Alumni contribution during the year (in Rupees) :

2160000

5.4.4 – Meetings/activities organized by Alumni Association :

1. Alumni meet is conducted twice in year • First meet during Convocation Period • Second Meeting during every November
2. Guest lecturers for students by Alumni
3. Mock interview for Students by Alumni

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The two most important instances of decentralisation and participative management during the last year is explained below: Preparation of the Budget: Before the beginning of every financial year the Department budget will be prepared by the faculty members (Laboratory incharges, coordinators of various department activities) for the purchase of equipment, consumables, software and miscellaneous expenses for academic activities etc., The allocation adequacy of the budget was discussed in the department staff meeting and will be finalized by the HoD. Budget proposals were collected from all Heads of Departments, Library, Physical education department, Administrative office, Accounts section, Catering section, Transport department, Stores section, Computer Centre etc., for the preparation of Institute budget. The collected budget proposals were compiled and scrutinized during the meeting of Principal with all the HoDs' and incharges of various activities and the same was be submitted to the Management for approval. Effective Counseling: Effective counseling system is in practice to monitor and guide the students to excel in their academic, cocurricular and extracurricular activities. Bottomup approach is followed for motivating and monitoring the students starting from the Counselor, Year coordinator, HOD and the Principal. For a group of 20 students one Counselor (faculty member) was attached. Under the guidance of the Principal and HODs', Counselors and Year Coordinators, closely monitors the regular attendance of the students to the classes, their performance in the internal and university exams. Also monitors and motivates the students to effectively utilize the placement training programs and to make the students job ready.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
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, FLSmith 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.

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). ? 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 percent of the students are admitted through Anna University single window counselling. 65 percent 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 percent of the seats are filled through TANCET by Anna University and remaining 50 percent of seats are filled through qualifying marks obtained in CET conducted by consortium of Self financing colleges.

Curriculum Development

? The Institute is affiliated to Anna University, the institution follows Anna university curriculum. ? Eminent faculty of the institution are members of Board of Studies, Syllabus Revision Committee and Academic Council of Anna University. They take active part in

curriculum revision, discussions related to the implementation of various other academic activities and examination systems. ? To reduce the gap in the curriculum and industry appropriate Seminars, Industrial Visits, Value Added Courses are initiated and developed to enhance the skill set of industry ready graduates.

Teaching and Learning

? 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. ? 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. ? Lab classes are utilized to demonstrate and substantiate the theoretical concepts through experiments and interpretation of results. ? Value added courses are conducted for students on latest topics to improve their skill sets and knowledge and to make the students ready to meet the industry requirements.

Examination and Evaluation

? 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. ? Internal assessment I covers Unit I and II, Internal assessment II covers Unit III and IV and model examination covers the entire syllabus of a particular course. ? 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. ? All the above mentioned evaluation processes contribute to 20 percent 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 percent of the marks. ?

For practicals, students are awarded Internal Marks (20) based on their performance in the lab classes and model practical. The end semester exam contributes to the remaining 80 percent of the marks.

Research and Development

? 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 WiFi connectivity for faculty pursuing Ph.D and research scholars. ? 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 organize/attend conferences/workshops/seminars etc. ? Students are encouraged to submit to project proposal IEI TNSCST under student project scheme.

Library, ICT and Physical Infrastructure / Instrumentation

LIBRARY: ? The Central Library is covered with huge collection of 97512 volumes and 26258 titles, covering all major fields of science and engineering technology with international standard resources. ? The Library has subscribed for the ejournals package for AICTE Suggested IEEE, ASME, ASCE, Springer, Elsevier, J Gate (Engineering Technology), McGraw Hill, ASTM Digital Library, ISOJTC 1, IETE, IEI, IET, DELNET, NDL and also subscribed of 96 national journals and 85 national technical magazines and general magazines. **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
PHYSICAL

INFRASTRUCTURE/INSTRUMENTATION: ? RO Water Treatment Plant ? Sewage treatment plant ? 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.

Human Resource Management

? HOD identifies the human resource requirement and informs the Principal who in turn consolidates the requirements from all the 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. ? The institution promotes faculty for higher positions based on satisfying prescribed qualification, experience, research and developmental activities and performance in the interview. ? Employees Provident Fund (EPF). ? Two way Free Transports Food is provided for both teaching staff and NonTeaching staff. ? Room rent has been waived for teaching faculty stayed in hostel.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
<p>Planning and Development</p>	<p>? To review the academic and other related activities of the Institute and to review the students and faculty development programs Planning and Monitoring Board is in place. ? Soft copy of the Academic calendar, Time table, internal assessment schedules etc., sent to all the departments through rmkec web mail. Google spread sheets are used to share the information among the departments related to the students attendance, performance of the students in the examinations etc.,</p>
<p>Administration</p>	<p>MS office is in use for making the soft copy of all the administrative related works. Auto Lib Integrated Library Management software is in use for the effective library services such as Issue, Return, Renewal and Reservation of resources.</p>

Finance and Accounts	MS Excel, Tally software is used for the activities related to finance and accounts section.
Student Admission and Support	For maintaining and managing students admission and other related details MS DOS, MS Office, Foxpro 2.6 software is in use.
Examination	Smart Pick software is used for generating the question papers for conducting the assessment tests. 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 Smart Pick software. It also maps each question with the respective knowledge level as well as the course outcome.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Mr. K.Sengottaiyan Mr. P.Duraimurugan Mr. S.D.Sekar	NAFEMS Conference, Bangalore	NAFEMS	21959
View File				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Python Pro gramming and its Ap plications		13/08/2018	14/08/2018	46	0
View File						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration

Practical Training on Geosynthetics and building materials	2	19/11/2018	23/11/2018	5
FDP on Digital in manufacturing	1	17/11/2018	17/11/2018	1
FDP on Design of Reinforced Concrete Structures	2	28/05/2018	04/06/2018	8
FDP on Prestressed Concrete Structures	2	03/06/2019	10/06/2019	8
FDP on Recent Trends in BIM	1	01/04/2019	01/04/2019	1
FDP on Limit state Design of Steel Structures	1	26/11/2018	28/11/2018	3
Hands on training on AI: the next Frontier	1	15/12/2018	16/12/2018	2
Seminar on Artificial Intelligence in Construction	2	11/04/2019	12/04/2019	2
Seminar on Structural and Durability performance of post tensioned bridges and buildings	3	12/04/2019	12/04/2019	1
FDP on Python Programming	21	13/08/2018	14/08/2018	2
FDP on Awareness on Blockchain Technology	8	10/12/2018	11/12/2018	2
FDP on Introduction to Cloud Infrastructure and Services	17	07/12/2018	08/12/2018	2
Induction Program on IOT Technologies	1	07/05/2018	12/05/2018	12
FDP on Internet	8	09/06/2018	09/06/2018	1

of Things				
FDP on Machine Learning and its Application	5	19/12/2018	22/12/2018	4
FDP on IOT Using Arduino and Raspberry PI	1	26/11/2018	27/11/2018	2
Faculty Enablement Program on LEX based Foundation Program	1	03/01/2019	09/01/2019	7
Seminar on Internet of Things	7	24/12/2018	24/12/2018	1
TTT on AWS and Salesforce	1	12/11/2018	23/11/2018	12
FDP on Problem Solving and Python Programming	1	11/06/2018	18/06/2018	8
FDP on Materials Science	5	11/07/2018	12/07/2018	2
FDP on Latex Software Training	3	30/07/2018	06/08/2018	8
FDP for Student Induction Program for AICTE approved Institution	3	27/08/2018	29/08/2018	3
FDP for Student Induction Program for AICTE approved Institution	3	26/11/2018	28/11/2018	3
FDP on Recent Trends in Renewable Energy Sources	8	20/12/2018	20/12/2018	1
FDP on Empowering Teachers in 21st Century Education	2	29/04/2019	03/05/2019	5
FDP on Optical Communication	1	08/07/2018	12/07/2018	5
FDP on Precision	1	08/07/2018	12/07/2018	5

Imaging Measurement				
FDP on Air Circuit Breakers	1	05/12/2018	11/12/2018	7
FDP on Near Field Communication	1	02/12/2018	16/12/2018	15
FDP on Air Circuit Breakers	2	06/11/2018	15/11/2018	10
Recent Trends in Optimization	1	06/12/2018	08/12/2018	3
Renewable Energy Technologies	1	26/11/2018	30/11/2018	5
FDP on Engineering Thermodynamics	2	10/06/2019	12/06/2019	3
Instructor Training Certification on CREO	2	19/11/2018	24/11/2018	6
Augmented Reality and virtual reality	1	23/11/2018	27/11/2018	5
Digitization of Higher Education for Quality Enhancement of Teaching Learning and Research	2	22/10/2018	23/10/2018	2
Introduction to linear finite Element Analysis	1	09/07/2018	13/07/2018	5
Pursuing Emerging Technologies	2	26/05/2018	26/05/2018	1
Introduction to Numerical Heat Transfer and its applications	1	28/05/2018	03/06/2018	7
Faculty Connect Programme on Python Programming	10	13/08/2018	14/08/2018	2
Introduction to Cloud	2	07/12/2018	08/12/2018	2

Infrastructure and Services				
Digital in Manufacturing with Real Time Demos	1	17/11/2018	17/11/2018	1
Machine Learning and its applications	1	19/12/2018	22/12/2018	4
LEX based Foundation Program	1	03/01/2019	09/01/2019	7
FDTP on Image Analysis in Spatial domain	1	23/11/2018	24/11/2018	2
FDP on Data Analytics A Boot Camp with Hands on Training using Python	1	26/11/2018	30/11/2018	5
FDP on Antenna Design and Measurement Techniques	2	10/12/2018	15/12/2018	6
FDP on Repairs and Rennovations of structures	4	26/11/2018	30/11/2018	5
Cryptography and Network Security	1	18/06/2018	26/06/2018	9
FDP on Digital in manufacturing	1	17/11/2018	17/11/2018	1
NI Academic and Research Day	1	04/12/2018	04/12/2018	1
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
14	14	14	14

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Free Transport and Food for all Maternity Leave for all Women Faculty Employee Provident Fund	Free Transport and Food for all Maternity Leave for all Women Faculty Employee Provident Fund	Free Health Checkups

(EPF) for all Gratuity (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 InCampus hospital with a male and female doctor with 24 x 7 Ambulance facility ATM facility Staff Quarters as per the request / Residential tutors with monetary benefit

(EPF) for all Gratuity (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 InCampus hospital with a male and female doctor with 24 x 7 Ambulance facility ATM facility Staff Quarters as per the request / Residential tutors with monetary benefit

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Management takes care of fulfilling all the requirements of the Institute in every financial year and sufficient budget is allotted for utilization. The Institute conducts the financial audits regularly. The audited statements of Accounts of the Institute are displayed in the Institute website. For the year 201819 the audited statement is with the date 30.8.2019.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Management	9031000	Curricular and Extra Curricular Activities
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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

6.5.1 – 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	(1) ISO 9001 QMS Audit by RMKEC Certified Internal Auditors (2) Department Advisory Committee
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

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

? 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. ? Parent is acting as member in Antiragging committee constituted in the college. ? All the parents attend the induction day programme for the first year students, meets and interacts with the faculty members, counsellors and HODs'

6.5.3 – Development programmes for support staff (at least three)

? Training program on maintenance of lab service of equipments. ? Computer skills training by the computer center. ? Free Health Checkups.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

? Release of RD and Consultancy brochures of all the Departments ? PRAGATIOnline Counselling Applications ? Organizing a workshop on Innovative Teaching Methods in Engineering Education.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	The NBA renewal process was held for the departments of CSE, ECE and EIE and the three departments were accredited for 3 years	31/08/2018	12/10/2018	14/10/2018	1213
2018	One day FDP on 5G	31/08/2018	02/11/2018	02/11/2018	50
2019	Guest Lecture on 5G for Wipro sponsored Telecom CoE students	31/08/2018	16/02/2019	16/11/2019	60
2019	One Day NAAC Collaborated Seminar on the Role of IQAC in	28/02/2019	29/04/2019	29/04/2019	58

Improving
the Academic
and Administrative Audit

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
International women's Day celebrations Chief Guest: Ms.S.Annie Maria, FounderWord content services, CoFounderWomenspire	08/03/2019	08/03/2019	122	120
Legal Rights for Women Chief Guest: Tmt. Adhilakshmi Logamurthy Advocate, Secreatry -Women's Lawyers' Association Madras High Court	16/11/2018	16/11/2018	220	74
Special lecture on "Need for personal hygiene and safety in hostels for I year girls" By Dr.S.Pavai Madheswari Professor and Head, Department of S & H	30/08/2018	30/08/2018	94	0
Meeting with all the II,III and IV year hostel girls For understanding	19/09/2018	19/09/2018	198	0

the difficulties faced in the hostels				
Competitions in view of "Women's Day" - Elocution - Beauty of being a woman / Women - My inspiration - Debate - Women - weaker sex? Really!!! - Quiz - Proud to be woman	08/03/2018	10/03/2018	58	42
Technical talk on " Women in Data Science "conducted by Big Data Analytics CoE	08/03/2019	08/03/2019	150	0
Technical talk on " Top Skills needed for Digital Transformation" conducted by eWIT	27/12/2018	27/12/2018	200	0
Technical talk on "Ethical Hacking" conducted by Ms. A Naga Ishwarya, Technical Trainer, Livewire	10/08/2018	10/08/2018	140	0
Technical talk on Opportunities of Engineering Students in Japan by Ms.Rajashree Iyer, Human Resources Executive, M/s. Alp Consulting Ltd.	07/03/2019	07/03/2019	122	257
Technical talk on Artificial Intelligence By Ms.Sudha Parimala	14/08/2018	14/08/2018	68	32

Pradeep, Lead - Customer Experience , Ro ofandfloor.com, The Hindu, Chennai				
Talk on Interview Skills by Ms.S Divya Programmer Analyst, Cognizant Technology Solutions, Chennai	07/07/2018	07/07/2018	97	53

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
<p>I Environmental consciousness and sustainability: 1. Two bin system for waste collection (Source segregation) o Each classroom is provided with garbage bins. o Each building has two large bins(Red and Green) in the ground floor o Garbage is collected daily. o Kitchen waste and Garden waste are collected separately. o Degradable waste are transported to safe landfill which is further converted to manure. o Ewaste is recycled through authorised recyclers (Virogreen Pvt.Ltd. Chennai). o Paper waste is recycled through recyclers (Venkatachalapathy paper mills Pvt. Ltd., Chennai) o Napkin incinerators are installed in the ladies hostels 2. Sewage water is treated by a modern Sewage water treatment plant at the rate of 10 lakh litres per day. o Treated water is used for gardening o Washing vehicles 3. Water conservation and Management o Sprinklers for gardening o Shower sprinklers for vessel washing o Sensor automatic hand wash in the wash rooms 4. Rain water harvesting o An effective rain water harvesting is done through 3 pits of 8484 litre capacity o A checkdam of Capacity 2,00,85,000 Ltr is built for collecting the rainwater. 5. Green Campus o Extensive greenery is maintained with different species of plants, trees, herbs o Herbal park is established with all native and medicinal plants o Lawns are maintained II Alternative Energy initiatives: o The college is equipped with four 5Kw with a total capacity of 20Kw solar panels meeting 40 of power requirement of academic blocks. o Bio gas fuel plant generating gas of 3kg/ day is installed in the college to meet requirement of the institution o 42 Street lights of 250W are replaced with 36W LEDs and 480 tube lights of 40W are replaced with 18W LED tube lights. This led to a total saving 7038 units per month amounting to Rs. 70380 savings per month. o All window ACs are replaced with Inverter AC saving 5161 units per month amounting to Rs. 51610 per month. o Automated street lamps(11 Nos.) are installed which saves 1425.6 units per year. o Smart lighting system is installed in 4 of the laboratories o Internal transportation within the campus is through bicycles and battery cars only. o Mass transportation for the students (Through college buses only. Private vehicles like cars, bikes etc. are strictly prohibited)</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5
Ramp/Rails	Yes	4
Rest Rooms	Yes	4

Provision for lift	Yes	4
Braille Software/facilities	Yes	0
Scribes for examination	Yes	1
Any other similar facility	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	4	9	01/05/2018	20	Unnat Bharat Abhiyan	1. Technology projects for agriculture 2. Solid waste management 3. Swachh Bharath Abhiyan 4. Prime Minister's Vidyajali Yojana 5. Skill Development for faculty and students 6. Skill Development Program for schools 7. Gaja Cyclone relief 8. Partici	316
2019	4	5	22/02/2019	12	Unnat Bharat Abhiyan	1. Plastic Waste management 2. Health and hygiene camp 3.	73

Skill Development Program for schools
 4. Cost effective water purification techniques
 5. Organic Farming

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Academic calendar - Information booklet	02/07/2018	<p>The information booklet for each department is provided at the starting of each semester to all the students and staff members. The calendar contains the following: • Vision and Mission of the college and the Department. • Rules and Regulations of the college (dress code, Visiting hours for parents, the non usage of electronic gadgets , importance of Anti Ragging) . • The classroom manners Academic Standards, Rules to be followed for using the library and General conduct and Discipline. Apart from this each department constitutes a Disciplinary committee to maintain the discipline among the students and to address any issues. The booklet highlights the salient features of the institution, such as , placements, CoEs, MoUs etc.</p>
HR Policy	02/07/2018	<p>All the faculty members are provided with the service book and HR policy. This provides details on a) Service rules b) Leave and Vacation facilities c) Career Development</p>

Chronicle	30/08/2018	Given to all the parents which highlight the milestone achievements of the institution.
Sunergia - Alumni Newsletter	25/11/2018	Published on website - highlights important achievements of RMKEC Alumni Contribution to the institution and fellow RMKECIANS
Professional Ethics	02/07/2018	Included for all IV year students in Anna university syllabus

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Induction Programme • A session on "Importance of Value based Engineering Education" by Mr.Suresh Punjabi, Corporate Trainer	30/08/2018	30/08/2018	714
Orientation Programme Mr. JayaPrakash Gandhi, Educational Consultant	03/09/2018	05/09/2018	714
Motivation Programme Mr. Ragunath, Motivational speakers, Relax Academy	01/03/2019	12/03/2019	726
Personality Development Workshop by M/s. JADE	02/01/2019	12/01/2019	806
Human Values classes	31/08/2018	30/03/2019	726
Induction Programme • • Session on "Creative Engineers and Achievement Motivation" by Mr.Jayaprakash Gandhi, Career Consultant	30/08/2018	30/09/2018	714
Induction Programme by Principal, Department HoDs, CoE coordinators, Placement	04/09/2018	06/09/2018	714

department, HE cell and ECell coordinators			
Orientation Programme on "Multiple Skillsets for Successful Engineers" by Mr. JayaPrakash Gandhi, Educational Consultant	20/09/2018	22/09/2018	714
2 day Vision a step towards finding your career path Orientation Psychometric Test Analysis and Discussion	21/01/2019	28/01/2019	714
"Universal Human Values" classes comprising harmony in self, harmony in family, harmony in society, harmony in workplace and harmony in the environment	30/08/2018	31/03/2019	714
FDP on Universal human values conducted by Dr.S.Pavai Madheswari, Professor and Head, Department of Science and Humanities	11/07/2018	20/07/2018	42
Yoga Club organised a demonstration session on "Yoga for mental and physical fitness" for I year hostel students by Dr.Krishnarjun Rao and Dr.Vikram, Physical Directors, RMKEC	04/02/2019	04/02/2019	302
International Yoga day - o Special Address on "Yoga for healthy life" by Brahmakumari Kaushalya, Raja Yoga Teacher o Demonstration of Yoga -	21/06/2018	21/06/2018	520

Mr.B.K.Ramesh and Mr.B.K. Ganesh, Yoga Trainers			
Eco Club and Quality Enhancement cell conducted "Poster making and slogan competitions on Swachh Bharat Abhiyan" No plastics / Water conservation / pollution etc.	25/09/2018	25/09/2018	34
Debate on "Conservation and development can / cannot go hand in hand."	25/09/2018	25/09/2018	22

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Two bin solid waste management system
2. Effective solid waste management - segregation at source (Degradable waste - safe landfills and conversion to bio manure Ewaste - Recyclers)
3. Green and Clean Campus - Sewage Water Treatment
4. Tree Plantation and Herbal park establishment
5. Renewable energy usage - Solar energy harnessing and biogas plant
6. Battery operated cars and bicycles for internal transportation

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1)Centers of Excellence: (<http://rmkec.ac.in/cel/showaboutus.php?deptcoe>) A center of excellence (CoE) is a corporate group or team that leads other employees and the organization as a whole in some particular area of focus such as a technology, skill or discipline. To that end, a business CoE may provide research, support, guidance, placement training and oversight for other employees and students. The area of focus can be anything thats important enough to the business to devote the necessary resources to. A CoE may be ongoing or temporary group members may work in another capacity or be fulltime in the CoE. A center of excellence is frequently used when an organization needs to take on a new technology or skill and manage its adoption. Major trends like BYOD (bring your own device) Cloud Computing and big data analytics often drive the adoption of CoEs as enterprises attempt to deal effectively with a rapidly evolving business environment. So far, 14 centers of excellence are established with industry partners. Few examples of centers of excellence:

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. 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 ecosystem for sustainable growth of telecom sector in the country. COE encourage collaboration between Entrepreneurs, Industry with academic and Government RD 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 Familiarisation, Computers and IT. Automotive Electronics (AE) 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 daawns 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. The global automotive industry has witnessed a lot of transformation in the last two decades with the digitization of vehicles. Developing less 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 RD in association with the talent and capabilities at RMK Group of institutions. Big Data 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. Frontend developer A Frontend developer (or indeed UI developer) really depends on the technologies being used. If it is a web application then the frontend is going to be using a mix of technologies such as HTML, CSS, jQuery, Javascript, and perhaps Flash and even Silverlight.

Hitachi India Pvt. Ltd. 2) Technology

inclubation(<http://rmkec.ac.in/cel/showaboutmsme.php>) and RMKEC Students' Startup (<http://rmkec.ac.in/cel/rmkstartup.php?deptmsme>) RMKEC-MSME Technology Incubator is 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). The incubator is funded by the ministry of MSME with Rs 6 Lacs per project for prototype development. First the IEDC Cell supported by DST, Government of India will support the concept validation and prototype creation for ideas being worked upon by the RMKEC students. Once a working prototype is created, it will be supported by the RMKEC Business Incubator to facilitate industry collaboration and government support to seek partnerships and funding for commercialization of the prototype and take it to market. 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 RMKECMSME Incubator conducts awareness programs about entrepreneurial opportunities,

funding opportunities and networking opportunities. It also invites entrepreneurs to share their success stories with students. RMK Student Startup Programme: An entity that develops a business model based on either product innovation or service innovation and makes it scalable, replicable and independent. An Advisory Committee on Startups is comprised of Chairman, Management Members Advisors, Principal, Deans and experts from EDI MSME. This committee will help the students for the effective development of innovative products.

- Information Communication Technology (ICT)
- Internet of Things (IOT)
- Agriculture and allied fields
- Manufacturing
- Healthcare
- CleanTech
- Services
- Energy
- Water

All students and Alumni with innovative ideas are eligible to apply. Recognizing High Performers Programme identifies the potential students with good academic record and coding skills. The programme aims at placing the students in companies with a salary package of above Rs.10 lakhs per annum. The selected students will be trained by Senior IT Executives with a good track record and professional experience. Also, a group of students will be mentored by one Executive in their Placement process. Further, the students will also be motivated to participate in Corporate contests, product development etc.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://rmkec.ac.in/cel/uploads/C%207.2.1%20Best%20Practices%20RMKEC.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The vision of RMKEC encompasses academic excellence, research activities and socially responsible engineers. ACADEMIC EXCELLENCE Academics form the central core of all the activities of RMKEC. The excellence is achieved by the qualified and dedicated faculty members, infrastructure, top management involvement, student centric teaching - learning process, technology adoption for learning, importance to research and development, uncompromised discipline and more importantly the ultimate beneficiaries, the students.

1. Faculty members:

- a) The college has 197 faculty members with 59 doctorates. The faculty members are recruited through a rigorous 4 phase recruitment process :
 - o Communication skills
 - o Technical Interview
 - o Online test
 - o HR interview
- b) Upskilling of the faculty members are done through FDPs and refresher courses at NITs, IITs and industries
- c) Sponsorship for conferences / workshops at the national and international levels
- d) NPTEL / MOOC Courses' certification
- e) Annual performance appraisal ensures continuous improvement

2. Student centric teaching - learning process: Studentcentric learning through creating an academic ambience for the students to acquire critical thinking, interpersonal communication skill, listening, problem solving and knowledge management skill, team work and group interaction all of which enable the students for lifelong learning.

- o Academic schedule for systematic and meticulous delivery of the curriculum.
- o Two internal assessments and one model examination per semester.

Other strategies adopted:

- o Interactive learning through regular classes supported with innovative teaching pedagogies
- o Seminars, Tutorial classes, Guest lectures, Industrial visits, summer and inplant trainings, department associations, symposia, technical club, coding club, science club, sports club etc.
- o Expert lectures by practicing professionals from industries and RD organizations
- o NPTEL online courses
- o Periodic Paper presentation contests, project competitions
- o Sponsorship to present papers / projects in premier institutions , to participate in corporate contests, Smart India hackathons and other regional hackathons
- o 15 Centres of Excellences in new age technologies with industry partners.
- o Science club, math club, coding club, language club, eco club etc.

3. Technology adoption for learning

- o Smart classrooms
-

Skillrack webportal which hosts Multiple choice questions on the subjects of all the semesters, all the years and for all the chapters, coding skills and Webinars on "Programming languages" for the students. o Innovative lecture videos and reference PPTs by the faculty members in the website / youtube. o Study materials through groupmails. o AMCAT online test for enhancing aptitude and coding skills 4. Infrastructure - The institution provides infrastructure required for effective learning. o Clean And Green Campus, o Smart Classrooms o Library Equipped With 98590 Books And 96 Journals Worth 4.02 Cr. o StateOfTheArt Laboratories o Gymnasium o Playgrounds o Well Equipped Hostels Etc. 5. Research and development department Separate R D headed by emeritus professors encourages o students and faculty members to participate in research projects, project proposals, paper publication in refereed journals 6. Other salient features: o Smaller class strength up to the 2nd year o Merit cum Means scholarship o Insitution innovation council, MSME incubator, Ecell, Higher Education cell etc. to provide career guidance.

Provide the weblink of the institution

<http://rmkec.ac.in/cel/uploads/C%207.3.1%20Institutional%20Distinctiveness%20RMKEC.pdf>

8.Future Plans of Actions for Next Academic Year

Learning modules: • To prepare and upload atleast one innovative lecture per chapter per subject in all disciplines. The academic targets planned for the next academic year are: • To achieve more than 90 pass percentage in each subject and an overall pass percentage of above 85. • To achieve at least 100 research publications in international Journals every year. • To achieve at least 100 University ranks in UG and PG every year. • To arrange at least 30 guest lectures in various areas this year. • To facilitate at least 5 STTPs this year. • To promote atleast one national conference per department and one International conference this year. Renewable energy: • To install renewable energy sources to provide atleast 20 of institution's energy consumption. Placements: • To achieve International placements • To place students in top notch MNCs with >10 lakh salary package