



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

Part A	
<b>Data of the Institution</b>	
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	RSM Nagar, Kavaraipettai, Gumudipoondi Taluk, Thiruvallur Dist.,
City/Town	Thiruvallur
State/UT	Tamil Nadu
Pincode	601206

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

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="http://rmkec.ac.in/NAAC/NAAC_AOAR_REPORT_2018_19.pdf">http://rmkec.ac.in/NAAC/NAAC_AOAR_REPORT_2018_19.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	<b>Yes</b>
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://rmkec.ac.in/calendar/cal.php">http://rmkec.ac.in/calendar/cal.php</a>

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

<b>6. Date of Establishment of IQAC</b>	<b>14-Jul-2016</b>
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<b>7. Internal Quality Assurance System</b>
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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
<b>NBA renewal process for the departments of Civil,</b>	<b>06-Feb-2020 1</b>	<b>900</b>

EEE and MECH		
Submission of AQAR 2018-19	31-Dec-2019 1	3415
IQAC MEETING No. 11	30-Aug-2019 1	35
IQAC MEETING No. 12	30-Nov-2019 1	35
IQAC MEETING No. 13	29-Feb-2020 1	35
Submission of AQAR	31-Dec-2019 1	3078
ISO Audit by DNV	01-Jul-2019 3	234
Academic Audit	26-Dec-2019 2	234
Two days Workshop on Innovative Pedagogies for Quality Enhancement in Engineering Education	24-Jan-2020 2	234
<a href="#">View File</a>		

**8. Provide the list of funds 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.T.V.Padmavathy Professor / ECE	Design of smart microwave head imaging system using UWB Antenna for detecting Brain Injury	AICTE-RPS	2020 3 year	400000
Dr. T.Suresh, Professor and Head / ECE	MODROB - Aspiring Institutions	AICTE-ISTE	2020 3 Year	713725
Dr. K.A.Mohamed Junaid, Principal	Design of Smart Breast Carcinoma Detecting System using microwave sensors	AICTE-RPS	2020 3 year	875000
Dr.T.Gnanasekaran Professor and Head / EIE.	Calibration Lab for Measuring Instruments	AICTE -MODROBS	2019 3 Year	800000
Dr. N.M. Jothi Swaroopan Professor/EIE	Research Projects for SC/ST Students	AICTE-Samriddhi	2019 2 Year	1200000
Dr. K.R.	Modernization	AICTE/RURAL	2019	1759000

Senthil Kumar, Professor and Head / Mech	of CAD/CAM Laboratory by establishing Generative Design Technique and 3D printing to Facilitate for Training on New Product Design and Development for the era of Industry 4.0	MODROBS	3 year	
Dr. Binu Sukumar Professor and Head / Civil	Development of Digital Formwork Pressure Monitoring System using Sensors.	DST- DDP	2019 3 Year	2720000
Dr. Binu Sukumar Professor and Head / Civil	Modernisation of Strength of Materials Lab to Advanced Structures Lab	AICTE -MODROBS	2019 3 Year	1791000
Dr. K. Chidambarathanu Associate Professor/IT	Service Oriented Application: Concept, Technology, Design and Development	AICTE-STTP	2020 6 Mont	275000
Dr.Elwin Chandra Monie, Dean -Academic	Speech to Speech Assistive Systems for speech impaired persons	DST-TIDE	2019 3Year	2619000
<a href="#">View File</a>				

<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	3
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	<a href="#">View File</a>

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
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**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

Applying for Autonomous Status of the Institution and Introduction of 2 new Programs (B.Tech.) to be started in 2020 - 2021

Single Point of Contacts (SPOCs) for Business Units (BUs) hiring

HODs Interaction with Industries and other Academic Institutions for RD and Consultancy.

Research Cell establishment and tracking of progress in Research activities in the IQAC meetings

Preparation of Pamphlets for Industrial Consultancy Works by the Departments

[View File](#)

**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	Achivements/Outcomes
Autonomous Status of the Institution	The Autonomous status for institution was granted by UGC with effect from June 2020
Participation in NIRF	Ranked 155th 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.
NBA Renewal of Accreditation	NBA accreditations of the UG programs B.E. Civil Engineering, B.E. Electrical and Electronics Engineering and B.E. Mechanical Engineering is renewed for 3 years. The UG program of the Department of IT, B.Tech. (Information Technology) is accredited for 3 years.
Target Result for Anna University Semester Examinations	Odd Semester: Target Set: 85%; Target Achieved:70.39% Even Semester: Target Set: 88%; Target Achieved:100%
Target to be achieved for Placement	Target set for placement was 75% and the achieved was 87.71%

No Files Uploaded !!!

14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body

Meeting Date

Governing Body of the College

13-Mar-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

06-Jul-2019

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

11-Jan-2020

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

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: Self Performance appraisal of all faculty members is done at the end 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 TP 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 faculty members prepare the lesson plan for the subjects allotted in a standard format for each subject. In the 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 employ ability/entreprene	Skill Development
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				urship	
Concrete and Formwork	-	20/12/2019	96	Employability and Entrepreneurship	Trained on design of formwork and selection of form for various construction projects.
Artificial Intelligence	-	03/08/2019	70	Employability and Entrepreneurship	Python Basics Machine Learning Libraries in Python. Machine Learning Models (Supervised Model Unsupervised Model) Implementing AI Projects in Python.
Big Data Analytics	-	20/09/2019	40	Employability and Entrepreneurship	Data Analytics, Python, SQL and NOSQL basics, Trends in AI
Cloud Computing	-	14/06/2019	49	Employability and Entrepreneurship	Salesforce Training 1, Salesforce Training 2
Cyber Security	-	17/09/2019	17	Employability and Entrepreneurship	Ethical Hacking, Skills required to crack Hackquest CyberSecurity - Top 10 Vulnerabilities Kali Linux Training, Pen Testing Web Application Pentesting Active Directory and Penetration Testing



Embedded System Design Using ARM Cortex M4	-	14/06/2019	60	Employability	Introduction Working with GPIO Modules and Interacing Display Working With Interrupts Working with ADC module and Temperature Sensor Working with Timer and PWM module Interfacing Actuators and Sensors
Robotic Process Automation	-	10/03/2020	35	Employability and Entrepreneurship	Understand operational requirements of the process, bring into effect desired changes if necessary
Automotive RD	-	30/07/2019	35	Employability and Entrepreneurship	Training in 3D Modelling Knowledge on Automotive related sectors
Training program on Programmable logic controller and its application	-	14/06/2019	35	Employability and Entrepreneurship	Design and implement control schemes in PLC. Interface field devices with PLC. Understand operational requirements of the process, bring into effect desired changes if necessary. Provide

Building Management System	-	14/06/2019	35	Employability and Entrepreneurship	end-to-end automation solutions. Design and implement control schemes in building. Interface field devices with controller Understand the operational requirements of the process, change if necessary Provide end-to-end automation solutions.
Product Lifecycle Management (PLM)	-	27/11/2019	125	Employability	New Product Development (NPD) using Creo Modeling Software
Front End Engineering	-	10/07/2019	30	Employability	Front End Development UI , UX, HTML, CSS, Angular, React

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	MA8551 - Algebra and Number Theory	01/07/2019
<a href="#">View File</a>		

### 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	01/07/2019
BE	Computer Science and Engineering	01/07/2019
BE	Electrical and Electronics Engineering	01/07/2019

BE	Electronics and Communication Engineering	01/07/2019
BE	Electronics and Instrumentation Engineering	01/07/2019
BE	Mechanical Engineering	01/07/2019
BTech	Information Technology	01/07/2019
ME	Computer Science and Engineering	01/07/2019
ME	Applied Power Electronics	01/07/2019
ME	Power Electronics and Drives	01/07/2019

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

	Certificate	Diploma Course
Number of Students	2031	Nil

## 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 by Mr. Jayaprakash Gandhi for first year	04/09/2019	675
<a href="#">View File</a>		

### 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	170
<a href="#">View File</a>		

## 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, centre of excellence advisory committee meeting, department level advisory committee meeting and during guest lectures which helps the institution to enhance the student's knowledge and skillset for the current scenario. Training sessions, Add-on 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, Wi-Fi 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	66	44	41
<a href="#">View File</a>				

### 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
2019	3098	11	211	9	220

### 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	Numberof smart classrooms	E-resources and techniques used

220	220	39	72	8	586
<a href="#">View File of ICT Tools and resources</a>					
<a href="#">View File of E-resources and techniques used</a>					

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

A unique student mentoring system is adopted for all the programs in the institute. The objective of this system is to help, support, counsel and guide the students for improving their overall personality and confidence level. ? Maximum of 24 Mentees allotted per Mentor. ? Counselling is performed once in a week on a regular basis and whenever necessity arises. ? The counsellor maintains all the records related to the academic performance, extracurricular achievement and all the database of the allotted students. ? Counselling is also done through Pragati App which contains:- Basic details such as father, mother and guardian name with their contact number of the student. Performance details such as marks secured by students in Unit test I, Unit test II, Internal I and Internal II, Model and University examinations. Apart from these, full details such as 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. ? High performing students are motivated by Counsellor to achieve university ranks. ? The personal and psychological counselling is also done based on the following needs: 1. Challengers (slow learners), Attitude problem, Creamy and toppers, Home sick, Students with peer pressure and parent pressure, Students infatuated with social media. 2. Motivating to participate in inter-collegiate workshop, symposia, technical contest and seminars, Career counselling, mentoring their skills for various industrial needs, yet to be placed. 3. Parents of these students are also called to college and the students are counselled along with their parents. This helps to identify their difficulties and to find the remedy for the same based on discussion with parents. 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
3081	152	1 : 20

**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
43	43	Nill	43	3

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. Usha Rani	Professor	Third Prize in Tamil Essay Competition Institutional level

on Engineers Day celebration organized by Builder Line, Chennai on 19.10.2019.

[View File](#)

## 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	8/IV	29/09/2020	17/10/2020

[View File](#)

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 as per the university pattern. ? The question paper are prepared so as to compose questions on different levels of thinking ranging from lower to higher levels of cognitive thinking. ? Due weightage is given for standard and average questions while setting the question paper. ? In exam cell, questions are chosen randomly from the question bank using SMART PICK system to ensure the effectiveness of the process. The questions are selected to assess the understanding level of the students as per the details given below: Level 1: Remember and Recall Information Level 2: Understanding and interpreting of concepts and ideas Level 3: Apply Level 4: Analyze Level 5: Evaluate Level 6: Create

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, similar to Anna University evaluation process. ? The evaluated answer scripts are handed over to the students within two days of conducting assessment test and the answers are discussed with the students. Assignments (I II), Unit Tests (I II), Internal Assessments (I II), Revision Tests and Model exams are conducted in every semester, for the continuous assessment, in the learning process of students. All the above-mentioned evaluation processes contribute to 20 of total (Internal) marks allotted to the particular course. The end Semester exam contributes to the remaining 80 of the marks.

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 pre-planning all the activities by the department,

faculty members and students. The academic calendar is prepared with the below contents and made available to the students and faculty. 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, soft-skill, value-added 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	125	124	99.20
<a href="#">View File</a>					

## 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](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
Major Projects	1095	DST- DDP	27.2	27.2
<a href="#">View File</a>				

### 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
Project Exhibition	Civil Engineering	19/09/2019



IPR	Electrical and Electronics Engineering	21/09/2019
Technical Expo	Electronics and Communication Engineering	18/08/2019
Gateway to Entrepreneurship	Electronics and Communication Engineering	07/10/2019
Life of an Entrepreneur	Electronics and Communication Engineering	07/10/2019
Workshop On Entrepreneurship and Innovation	Electronics and Communication Engineering	08/01/2019
Entrepreneurship Journey	Electronics and Communication Engineering	08/10/2019
Business Plan Execution	Electronics and Communication Engineering	22/08/2019
IPR IP Management for Innovation and Start-ups"	Electrical and Electronics Engineering	13/03/2020
IPR and IP Management for innovation and startup	Electronics and Instrumentation Engineering	15/05/2020
Design thinking -innovation-Incubation	Electronics and Communication Engineering	21/05/2020
How to plan for startup Legal and Ethical Steps	Computer Science and Engineering	10/03/2020
Hang out with successful Startup	Information Technology	18/02/2020
Pitch Presentation contest on "IDEAS FOR NEW INDIA CHALLENGE"	Electronics and Instrumentation Engineering	11/02/2020
"IDEAS FOR NEW INDIA CHALLENGE"	Electronics and Instrumentation Engineering	04/01/2020
IPR	Electronics and Instrumentation Engineering	08/01/2020
Product Design Thinking	Electronics and Communication Engineering	09/01/2020
Product Development - Story Telling	Electronics and Communication Engineering	11/01/2020
IIC Ambassador Training Series	Electronics and Instrumentation Engineering	08/01/2020
Business Plan Contest	Electronics and Communication Engineering	21/12/2019
Demo Day for Innovators	Civil Engineering	21/12/2019
Funding Opportunities for Innovation and Entrepreneurship Development	Electronics and Instrumentation Engineering	09/11/2019



Innovation Day	Electronics and Instrumentation Engineering.	15/10/2019
Mentoring Session	Electronics and Communication Engineering	31/08/2019
An Insight Into Entrepreneurship	Electronics and Communication Engineering	31/08/2019
Business Plan Contest	Electronics and Communication Engineering	10/01/2019
Industrial Visit to IIITDM, Incubation Center, Ambattur	Electronics and Communication Engineering	24/01/2020
Insitu Compaction Consolidation of Cohesive and Cohesionless soils	Civil Engineering	18/02/2020
Cloud Computing	Computer Science and Engineering	21/09/2019
Graph Theory and Applications	Computer Science and Engineering	17/09/2020
Object Oriented Programming Using Java	Computer Science and Engineering	17/09/2019
Computer Networks	Computer Science and Engineering	24/08/2019
Data Structures and Analysis of Algorithms using Python	Computer Science and Engineering	10/08/2019
Software Testing and Agile Development	Computer Science and Engineering	08/08/2019
Internet of Things	Computer Science and Engineering	06/08/2019
Data Structures using Python	Computer Science and Engineering	20/07/2020
Data Structures using Python	Computer Science and Engineering	19/07/2019
Humanoid Robots	Electrical and Electronics Engineering	06/03/2020
Art of cracking Interviews	Electrical and Electronics Engineering	26/02/2020
Introduction to Python and its Future	Electrical and Electronics Engineering	22/02/2020
Introduction to Cloud computing and its components	Electrical and Electronics Engineering	22/02/2020
LET US COMMUNICATE	Electrical and Electronics Engineering	26/09/2019
Object oriented programming	Electrical and Electronics Engineering	19/09/2019
ROLE OF INTERNET OF	Electrical and	20/07/2019

TECHNOLOGY (IOT) TO MEET OR MANAGE THE SOCIETAL NEEDS	Electronics Engineering	
ENHANCING PROGRAMMING SKILLS	Electrical and Electronics Engineering	20/07/2019
Embedded System - Future Scope	Electronics and Communication Engineering	11/03/2020
Career Oppurtunities at Department of Atomic Energy	Electronics and Communication Engineering	29/11/2019
Design Thinking	Electronics and Communication Engineering	26/09/2019
An Insight Into Data Structures	Electronics and Communication Engineering	21/09/2019
Interview Skills	Electronics and Communication Engineering	28/08/2019
Automation Based on Internet of Things [IoT]	Electronics and Communication Engineering	20/08/2019
An Insight Into Virtual Memory	Electronics and Communication Engineering	17/08/2019
INDUSTRY 4.0	Electronics and Communication Engineering	03/08/2019
Life Skills and Breakage of Barriers	Electronics and Instrumentation Engineering	10/03/2020
Role of Instrumentation Engineers in Process Industries	Electronics and Instrumentation Engineering	05/03/2020
Art of cracking Interviews	Electronics and Instrumentation Engineering	26/02/2020
How to Handle Interview and Mock interview	Electronics and Instrumentation Engineering	07/02/2020
Programming skills	Electronics and Instrumentation Engineering	21/09/2019
Machine Learning	Electronics and Instrumentation Engineering	19/09/2019
Communication skills and Personality Development	Electronics and Instrumentation Engineering	17/09/2019
Art of cracking Interviews	Electronics and Instrumentation Engineering	27/08/2019
How to handle Interview	Electronics and Instrumentation Engineering	20/07/2019

Life Skills and Memory Enhancement	Electronics and Instrumentation Engineering	16/07/2019
Grid and Cloud Computing	Information Technology	31/08/2019
AI Application in Health Care	Information Technology	24/08/2019
Guest lecture on role of ETL in Data Warehouse	Information Technology	24/08/2019
Guest Lecture on Computer Networks	Information Technology	24/08/2019
Technical Seminar on Software Testing and Agile Development	Information Technology	08/08/2019
REFRIGERATION Air conditioning systems	Mechanical Engineering	21/09/2019
Manufacturing Process Environment Management	Mechanical Engineering	20/09/2019
IMPLEMENTATION OF PLM IN NEW PRODUCT DEVELOPMENT	Mechanical Engineering	29/09/2019
Entrepreneurial Skill Development	Mechanical Engineering	20/09/2019
Next Generation Technologies -Renewable Sector Applications	Mechanical Engineering	16/08/2019
Lean Manufacturing	Mechanical Engineering	10/08/2019
Quality Evolution management	Mechanical Engineering	02/08/2019

### 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
Dr.Kalam Young Achiever Award	Mr. TAMILVENDHAN K	World Youth Federation	15/10/2019	Best Student 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	Device 2 Divinity	Proprietary	19/10/2019
<a href="#">View File</a>					

## 3.3 – Research Publications and Awards

### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
18	78	12

### 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	5
Electrical and Electronics Engineering	1
Electronics and Communication Engineering	2

### 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	Computer Science and Engineering	3	0.07
International	Computer Science and Engineering	13	0.87

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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
Science and Humanities	18
Information Technology	12
Mechanical Engineering	17
Electronics and Instrumentation Engineering	11
Electronics and Communication Engineering	14
Electrical and Electronics Engineering	12
Computer Science and Engineering	18
Civil Engineering	16

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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
Assessment of Reinforced Concrete Corroded Column by Non-Destructive Test	Dr.M.USha Rani, Ms. A. Hemamathi	International Journal of Innovative Technology and Exploring Engineering	2019	0	R.M.K. Engineering College	Nil

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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
Assessment of Reinforced Concrete Corroded Column by Non-Destructive Test	Dr.M.USha Rani, Ms. A. Hemamathi	International Journal of Innovative Technology and Exploring Engineering	2019	Nil	Nil	R.M.K. Engineering College
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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	Nil	127	24	62
Presented papers	71	12	10	22
Resource persons	Nil	12	14	27
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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
Initiation of Herbal Plantation Drive	RMKEC/Swachh Bharat	5	120
Seed ball activity	RMKEC	10	771
Pre Departure Measures for Tamil Migrating on Employment in Abroad	RMKEC	5	100
Tree plantation Program" at Kannan Kottai	RMKEC	5	93
'Skill Development Program" at Ponneri Higher Secondary School	RMKEC	4	25
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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
Unnat Bharat Abhiyan for rural development	PERENNIAL ASSISTANCE AWARD	UBA Ministry of Education	45
Smart India Hackathon	First prize	AICTE	6
No file uploaded.			

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
Swachh Bharat	RMKEC /UBA / Swachh Bharat Abhiyan	Summer internship - Rural Development - Health and hygiene camp	6	30
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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
Evaluation of Compressive strength of Concrete Cubes.	Dr. BINU SUKUMAR/ Mr. P. RAMSHANKAR	M/s METAL SCRAP PRIVATE LIMITED	2
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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 /research lab with contact details	Duration From	Duration To	Participant
PROJECT TRAINING	INTERNSHIP	Pantech ProEd Pvt Ltd.,	01/01/2020	31/03/2020	Job keziya Rachel
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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
THEJO ENGINEERING	27/02/2020	Guest lectures,	3320

workshops,  
seminars, in plant  
training,  
internship study  
visits

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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
2265	2268

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
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### 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 partially)	Version	Year of automation
Auto Lib	Fully	Web Based	2003

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	97512	371	2309	516	99821	887
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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 Prathusha Laxmi	Linear Search - Role Play-3SEM-DAA	Video Recorder, Uploaded in Youtube Link available in website	30/06/2019
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### 4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	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)

500 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:	<a href="http://rmkec.ac.in/cel/uploads/econtent_facility.mp4">http://rmkec.ac.in/cel/uploads/econtent_facility.mp4</a>

#### 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
555	560	1710	1708

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 :All 58 class rooms are 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. 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 99821 volumes and 26889 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 e-journals 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 500 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. Air-conditioning 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 is also annexed with the Girls hostel. Dining Healthcare : The hostel is annexed with a kitchen and dining hall. There are 9 canteens that can accommodate 700 girls and 800 boys at a time. Nutritious healthy food is served and special care is taken in the food preparation. RO water is used for both cooking and drinking.

[http://rmkec.ac.in/cel/uploads/C%204.4.2%20Procedures%20and%20Policies%20RMKEC%202019\\_20.pdf](http://rmkec.ac.in/cel/uploads/C%204.4.2%20Procedures%20and%20Policies%20RMKEC%202019_20.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	120	4359200
Financial Support from Other Sources			
a) National	State (BC/MBC/SC/ST/First Graduate) / Central (Minority/Merit) Scholarships	980	13131670
b) International	Nil	Nil	0
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#### 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 enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Orientation Programme	04/09/2019	771	Mr. Jayaprakash Gandhi, Career Consultant
<a href="#">View File</a>			

#### 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 students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Gate preparation -Orientation program for II year Mech engg	106	Nil	Nil	Nil

students -  
Mr.Mahipal  
Reddy  
Mandadi, Ace  
Academy

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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
Nil	Nil	Nil

## 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
ZOHO CORPORATION PVT LTD	429	7	AGILISIUM	1	Nil

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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
2020	3	B.E.	CIVIL ENGINEERING	VIT, VELLORE	M.TECH CONSTRUCTION TECHNOLOGY MANAGEMENT

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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	7
GMAT	2
GRE	15
TOFEL	1
Any Other	21

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

Activity	Level	Number of Participants
8th Smt. Manjula Munirathinam Trophy	Zone	160
Intramural Competitions	College	2000

Literary and Cultural Competitions	College	1870
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### 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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Inter Zone- Table Tennis - 3rd Place	National	1	1	111716104003	A.SAINAN DAN

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

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. Class Committee: Class Committee is constituted at the beginning of every semester with representatives from the girls, boys, day scholars and hostelers 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. 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 anti-ragging committee.

### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

0

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1. Alumni meet is conducted twice in year • First meet during Convocation • Second Meeting during every November
2. Guest lecturers for students by Alumni
3. Mock interview for Students by Alumni
4. Workshops 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: Prior to the beginning of every financial year, budget proposals are collected from HoDs', Library, Physical education department, Administrative office, Accounts section, Catering section, Transport department, Stores section, Computer Centre etc., for the preparation of Institute budget. • Department budget is prepared by the faculty members (Laboratory incharges, coordinators of various department activities). Laboratory incharges identifies and submits the requirements of the labs for the purchase of equipment, consumables, service of equipments, software etc.,. Purchase of equipments follows a standard procedure which involves the collection of quotations from reputed companies. While scrutinizing the quotations quality of the equipment in terms of the best required specifications is given the highest priority. Also Coordinators of various activities like conference/workshop, students' symposium, Inauguration of students association, Intra department competitions, RD activities etc., submits the requirements. The allocation adequacy of the budget is discussed in the department staff meeting and is approved by the HoD and the same is submitted to the Principal for approval. Principal compiles and scrutinizes the budget proposals in the HoDs' meeting and submits the same to the management for approval. • The budget sanctioned is always as requested by the Departments and the Management takes care of fulfilling all the requirements of the Departments in every financial year. Effective Counseling: Effective counseling system is in practice to monitor and guide the students to excel in their academic, co-curricular and extra-curricular activities. Bottom-up 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
<p>Curriculum Development</p>	<p>? 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.</p>
<p>Teaching and Learning</p>	<p>? 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.</p>
<p>Examination and Evaluation</p>	<p>? 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</p>

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 proposals for funding from various funding agencies such as DST, AICTE etc. ? The Principal investigator is given on- duty leave, TA and DA for his/her project presentations to the respective funding agencies. ? Encourages the faculty members to enroll for Ph.D. programmes in their fields of interest. ? The institute grants OD for the faculty pursuing Ph.D. to attend their course work. ? Fully equipped R D lab with Wi-Fi connectivity for faculty pursuing Ph.D and research scholars. ? 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 99821 volumes and 26912 titles, covering all major fields of science, engineering and technology with international standard resources. ? The Library has subscribed for the e-journals packages 2020 of IEEE (ASPP), ASME, ASCE, IETE, IEI, DELNET, and NDLI. The E - Journals Access is IP Based. Library provides the NPTEL (National Program Technology

Enhanced Learning) through online web and web video courses in engineering and humanities stream. Also subscribed of 96 national journals and 85 national technical magazines and general magazines. ? National Digital Library of India (NDLI) Club of R.M.K. Engineering College was inaugurated at R.M.K. Engineering College on 7th March 2020. The Ministry of Human Resource Development (MHRD) India has sponsored the National Digital Library of India (NDLI) to provide various educational materials online for all users. 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 Advertises through institute website ? 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 Non-Teaching staff. ? Staff Quarters as per the request/ Residential tutors with monetary benefit.

**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. ? 50 percent of the students are admitted through Anna University single window counselling. 50 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.

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

E-governance area	Details
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Planning and Development	? 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.,
Administration	MS office is in use for making the soft copy of all the administrative related works. Integrated Library Management System - AutoLib - a Web based Software is in use for the effective library services such as Issue, Return, Renewal and Reservation of resources.
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 Campus Performance Tracker (CPTracker) developed by Computer Centre, RMKEC is in use. The Students details, Contact address, their daily attendance etc., are maintained in the CP tracker.
Examination	Smart Pick application software developed by Exam Cell, RMKEC 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 for generating the question paper. Smart Pick application software generates the question paper and 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
2020	Mr. R. L.	SAE BAJA 2020	Nil	38000

Sankarlal

FINAL  
COMPETITION[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)
2019	Two days workshop on Artificial Intelligence, Automated driving and Model-based design using MATLAB and Simulink	Nil	13/12/2019	14/12/2019	37	Nil

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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
2 days workshop on Artificial Intelligence, Automated Driving and Model-Based Design Using MATLAB and Simulink	1	13/12/2019	14/12/2019	2

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
43	43	12	12

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
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<ul style="list-style-type: none"> <li>• Free Transport and Food for all the staff members</li> <li>• Maternity Leave for Women Faculty</li> <li>• Employee Provident Fund (EPF)</li> <li>• Gratuity - (for all the staff members with more than 5 year's of service in RMKEC)</li> <li>• Fee Concession for wards of Employees admitted in School / College of RMK Group of Institutions</li> <li>• Staff Quarters as per the request/ Residential tutors with monetary benefit</li> <li>• Financial assistance to organize/attend conferences/workshops/seminars etc.</li> <li>• In-Campus clinic with a male and female doctor with 24 x 7 Ambulance facility. Also has support from Billroth Hospital, Chennai for any emergency.</li> <li>• ATM facility</li> </ul>	<ul style="list-style-type: none"> <li>• Free Transport and Food for all the staff members</li> <li>• Maternity Leave for Women Staff</li> <li>• Employee Provident Fund (EPF)</li> <li>• Gratuity - (for all the staff members with more than 5 year's of service in RMKEC)</li> <li>• Fee Concession for wards of Employees admitted in School / College of RMK Group of Institutions</li> <li>• Staff Quarters as per the request / Residential tutors with monetary benefit</li> <li>• Financial assistance to organize/attend conferences/workshops/seminars etc.</li> <li>• In-Campus clinic with a male and female doctor with 24 x 7 Ambulance facility. Also has support from Billroth Hospital, Chennai for any emergency.</li> <li>• ATM facility</li> </ul>	Free Health Checkups
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#### 6.4 – Financial Management and Resource Mobilization

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

• Prior to the beginning of every financial year, budget proposals will be collected from HoDs', Library, Physical education department, Administrative office, Accounts section, Catering section, Transport department, Stores section, Computer Centre etc., for the preparation of Institute budget. • 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 2019-20 the audited statement is with the date 23.10.2020.

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
Shakunthala Devi Charaitable trust, Rajasthani association, The Chemists and Druggists Trust, Narayani Siddar Peedam Charitable trust, Kousalya Lakshmipathy Foundation, GRT Charitable foundation, TN Congress Committee Charitable trust	154000	Scholarships to students

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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 9001:2015 QMS Audit by DNV GL	Yes	(1) ISO 9001:2015 QMS Audit by RMKEC Certified Internal Auditors (2) Department Advisory Committee
Administrative	Yes	(1) ISO 9001:2015 QMS Audit by DNV GL	Yes	(1) College Top Management and (2) ISO 9001:2015 QMS Audit by RMKEC Certified Internal Auditors

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 Anti-ragging 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 centre ? Free Health Checkups

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

? Planned for fresh Autonomous status of the Institution and applied to UGC and Anna University. ? In order to meet the industry demands introduction of two industry relevant programs on B.Tech. in Computer Science and Business Systems (CSBS) powered by TCS and B.Tech. in Artificial Intelligence Data Sciences (AI DS) supported by COGNIZANT as knowledge partner are planned during the year 2019-20. ? 2-day Conclave on "Engineering Education for Digital Transformation and Industry 4.0" ? Release of RD and Consultancy brochures of all the Departments ? PRAGATI-Online 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
2019	ISO Transition and Periodic Audit by DNV - GL Netherland was conducted. The institution was certified for ISO 9001: 2015 (New Version)	30/08/2019	01/07/2019	03/07/2019	3326
2019	NBA committee has visited the campus and has approved the accreditation status of Information Technology Program and the accreditation is valid for 3 years	30/08/2019	06/07/2019	07/07/2019	237
2020	NBA committee has visited the campus and has approved the accreditation status of Civil Engineering, Mechanical Engineering, Electrical and Electronics Engineering programs and accreditation is valid	30/11/2019	07/02/2020	07/02/2020	1433

	for 3 years				
2019	2-day Conclave on "Engineering Education for Digital Transformati on and Industry 4.0"	30/11/2019	06/12/2019	07/12/2019	80
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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
Sensitising students on Gender specific issues Girl students - Dr.S.Radhika Dr.M.Meena Boy Students - Dr.T.Smiles	10/09/2020	10/09/2020	1500	1600
International women's Day celebrations Chief Guest:Thiru J K Tripathy IPS, DGP Head of Police Force, Tamilnadu	13/03/2020	13/03/2020	1500	Nil
Competitions to sensitise students on Gender Equity: Debate on "Gender Equality -Reality or Myth"	07/03/2020	07/03/2020	70	Nil
Quiz on "Women Celebrities"	07/03/2020	07/03/2020	50	50
Painting /Drawing "Status of Women in India"	07/03/2020	07/03/2020	14	16

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

Solar Energy : The college is equipped with four 5Kw 1 kw with a total capacity of 21Kw solar panels meeting 40 of power requirement of academic blocks. Bio gas fuel plant: Bio gas fuel plant generating gas of 3kg/ day is installed in the college to meet requirement of the institution Use of LED bulbs/ power efficient equipment 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 windowACs 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) Sensor-based energy conservation: o Sensor based lighting and fans is installed in all class rooms and laboratories  
Link:<http://rmkec.ac.in/dept/iqac/aqar/ENERGY20CONSERVATION20PRACTICES.pdf>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5
Provision for lift	Yes	5
Ramp/Rails	Yes	5
Braille Software/facilities	Yes	Nil
Rest Rooms	Yes	5
Scribes for examination	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
2019	1	1	01/07/2020	6	Summer internship - Rural development	Health and hygiene camp	624

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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	01/07/2019	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. Each department constitutes a Disciplinary committee to maintain the discipline among the students and to address any issues.

HR Policy	01/07/2019	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
Chronicle	07/08/2019	Given to all the parents which highlight the milestone achievements of the institution.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Induction Programme	07/08/2019	15/08/2019	683
<a href="#">View File</a>			

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

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

7.2 – Best Practices



## 7.2.1 – Describe at least two institutional best practices

(1) Industry collaboration to enhance employability skills: ? B.Tech. Computer Science and Business systems programme is started which is powered by Tata Consultancy Services. ? B.Tech. Artificial Intelligence and Data Science programme with Cognizant as its knowledge partner. ? B.Tech. information Technology is Virtusa batch adoption program. ? MoUs with 17 industries for guest lectures, projects, industrial visits etc. ? 15 Centers of excellence are established in collaboration with industry partners. CoE training helps students to get trained in the emerging technologies such as Big data, IoT, Artificial Intelligence, cyber security, Product Life cycle Management, automotive electronics etc. This training provides the student to have innovative thinking and enables the students to be equipped for job markets in the industry 4.0 scenario. There is a huge demand for skilled professionals in the area of automotive electronics and infotronics in order to improve safety, comfort, performance and energy efficient systems.. To provide training on real time systems of automotive which help students to meet the auto industry expectations, our college has established Joint Certification Centre (JCC) in association with BOSCH Limited. JCC will act as the bridge to address the technological gap and focus on various technical training programs for Bosch network. The main objective of the established center is to create a knowledge centered environment for the students to be trained in automotive electronics technologies such as autonomous driving, all-electric cars, and in-car infotainment which are the new trends in the automotive industry. Corporate Competitions are conducted by various MNCs and Professional societies to capture the talent, practical exposure, and the innovative thinking ability of the Students. Students are encouraged to participate and win prizes in these competitions conducted by them and this level of participation by the students enhances the Professional up-liftment in them for better carrier opportunities. The Industry Institute Partnership Cell (IIPC) has been established in the year 2013 with the sponsorship of All India Council for Technical Education (AICTE), New Delhi. This Industry Institute Partnership Cell (IIPC) provides better interaction between the institution and industry. Objectives Developing close links between Industry and Institute by interaction programs. ? To conduct Industrial Training and Industrial Visits for the students and faculty. ? Organizing seminars, symposiums, exhibitions and workshops ? Motivate the young executives to become successful entrepreneurs. ? Widening and effectively implementing the area of R D and consultancy between the industries and the Institute Industry collaboration to enhance employability skills: ?

<http://rmkec.ac.in/cel/showtnpindustryconnect.php?depttnp> ?

<http://rmkec.ac.in/cel/showtnpiipc.php?depttnp> ?

<http://rmkec.ac.in/pix/2020/aicte20191.jpg> (2) Value based education and Club activities: The department undertakes various initiatives to impart value education to the students. 1. Silence period: The mind can take us on a rollercoaster ride. One moment it makes us worry about what happened ten years ago, the next moment it makes us sad about the past. Learn to quiet your mind so that you can harness the power of your spirit - William Penn Every morning, "Silence period" for 3 minutes (8.30 - 8.33 a.m.) is observed by every student. The quiet and calm mind is fresh and enhances the learning capacity. 2. Thought for the day: A brief "Thought for the Day" is narrated by a student / Faculty / class. 3. HoD writes motivational / inspirational messages to all the students every week. 4. Students' induction program is conducted for a period of 21 days (College tour). 5. Universal human values classes are conducted one hour / week and incorporated in the time table. 6. UHV classes were conducted for a week for all the I year students. 7. 3 day motivational program on self - development, personality development skills, career orientation, psychometric test, creativity skills are conducted for all the students through eminent personalities like Mr.Jayaprakash Gandhi, Mr.Ragunath, Ethnus Company, FACE

academy etc. 8. Students are motivated to participate in social service activities in nearby villages such as plastic waste management, COVID 19 awareness, cloth bag distribution etc. The department established various clubs to enhance problem solving and creativity skills of the students. The clubs established are: 1. Eco club is an initiative towards creating bond with nature. Our eco club undertakes initiatives to protect nature and follow green practices. 2. Science and innovation club: was established with a motive of enhancing the students on innovative skills with application of science for problem solving. Every year, innovative project competitions are conducted. Students display their projects under the guidance of teachers and a jury comprising of eminent personalities evaluate the projects. Best projects are awarded with certificates and cash prizes. Similarly, paper presentation contests on "emerging trends in respective fields" are conducted every year. 3. Language Club: Communication skills a mandatory requirement for a successful career is honed by language club with its plethora of activities, such as, elocution, debates etc. 4. Coding club: today's technology world needs coding skills for the job market. Coding club conducts activities and competitions like coding contest for the students. 5. Math club: conducts activities and competitions such as quiz, aptitude quiz every week. 6. Yoga club: conducts weekly classes to the interested hostel students.

<http://rmkec.ac.in/cel/showeventswithimage.php?deptshyear2019>  
<https://www.facebook.com/rmk.scienceandhumanities.7>

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%20Best%20Practices%20RMKEC%202019\\_20.pdf](http://rmkec.ac.in/cel/uploads/C%207.2%20Best%20Practices%20RMKEC%202019_20.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

RMKEC has established IIC with a motive of creating an innovation ecosystem and start up supporting mechanism among the students. The institution strives ceaselessly to inculcate innovation culture through various programs such as ? Established RMK Student Start-Up Programme (RSSP) ? Organizing institution level hackathons: In the year 2019-20, one software edition of internal hackathon and one hardware edition were conducted. ? Innovative project competitions were conducted on 19.7.2019 and 21.12.2019. ? Innovation Day Celebrations: To commemorate Dr.APJ Abdul Kalam's birth anniversary, as various competitions were conducted - Elocution, debate, evocative solutions for plastic waste management, project expo, awareness of innovation policy etc. ? Business plan contest was conducted on 21.12.2019. ? Field visits to Puduvoyal village were conducted to understand the social issues and local problems on 20.8.2019. ? Technology projects done for sustainable agriculture, namely IoT based smart farming and Agro app demonstrations were done on 20.8.2019. ? Half Day Mentoring Session on Hangout with Successful Startups (Entrepreneur in campus) was conducted On Tuesday, 18th February 2020. ? During the covid 19 lockdown period, 15 webinar sessions on various disciplines were arranged. ? Students have attended India's first leadership lecture series on INNOVATION FOR RESURGENT INDIA, organised

Provide the weblink of the institution

<http://rmkec.ac.in/cel/uploads/C%207.3%20Institutional%20Distinctiveness.pdf>

### 8.Future Plans of Actions for Next Academic Year

Academic expansion 1. To get autonomous status by 2020-21 2. To introduce new UG programs in the emerging technologies - such as Artificial intelligence, data sciences, CS BS. 3. To introduce a PG program on Full stack Engineering 4. To

introduce AI based student monitoring system. Academic Excellence 1. To integrate digital learning practices into the regular curriculum. 2. To integrate activity based Teaching-learning practices. 3. To achieve more than 90 pass percentage in each subject and an overall pass percentage of above 85. R D 1. To file for patents 2. To publish quality research papers in high impact factor SCI, Scopus and Wos journals 3. To submit innovative project proposals for funding