Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**R. M. K. COLLEGE OF ENGINEERING AND TECHNOLOGY**
Name of the head of the Institution	**Dr.T. RENGARAJA**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04467900679**
Mobile no.	**9444142611**
Registered Email	**principal@rmkcet.ac.in**
Alternate Email	**iqac@rmkcet.ac.in**
Address	**R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY,RSM NAGAR,PUDUVOYAL**
City/Town	**PUDUVOYAL**
State/UT	**Tamil Nadu**
Pincode	**601206**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. G.DEVI**
Phone no/Alternate Phone no.	**04467900679**
Mobile no.	**9940326350**
Registered Email	**iqac@rmkcet.ac.in**
Alternate Email	**devi.g@rmkcet.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://rmkcet.ac.in/docs/AQAR-2018-19.PDF.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://rmkcet.ac.in/adm_academicschedule.php

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.14**	**2017**	**30-Oct-2017**	**29-Oct-2022**

6. Date of Establishment of IQAC

20-Feb-2017

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

Three Days Faculty Development Programme On Enhancing Pedagogical Skills In Technical Education by NITTTR	05-Dec-2019 3	50
Three days Faculty Development Programme (FDP) on Outcome Based Education and Accreditation process	17-Jun-2019 3	44
PPT and Oral Presentation for Innovation Day Programme	21-Oct-2019 1	150
Science Day Project for National Science Day 2020 celebrations	10-Mar-2020 1	200
SIH 2020 Review- phase 1	09-Jan-2020 1	180
SIH 2020 Review- phase 2	23-Jan-2020 1	180
Design Thinking Workshop	09-Jan-2020 1	62
Interaction With Alumni Entrepreneur About Secrets Of Successful Entrepreneur	09-May-2020 1	35
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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
EEE	STTP	AICTE	2019 21	300000
MECHANICAL	STTP	AICTE	2019 21	300000
EEE	MODROB	AICTE	2019 730	1200000
CSE	Students Research Projects	TNSCST	2019 180	7500
EEE	Students Research Projects	TNSCST	2019 180	7500
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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 :	**5**
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)

AQAR for the year 2019 20 has been documented and to be submitted ISO External Audit was done on 10102019 and 11102019 and ISO Internal Audit was done on 1892019. NBA related Criterion wise activities and documentations were completed. ACADEMIC AUDIT was held in the second week of October 2019 under the supervision of IQAC. Participating in NIRF and discussions done in IQAC meetings to analyze and improve NIRF Ranking

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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	Achivements/Outcomes
• **A Three Day Workshop on OBE and Accreditation Process was planned in the second week of June 2019 for Internal and External Faculty members.** • **Apart from this many FDPs have been scheduled at the department level.**	• **A Three Day Workshop on OBE and Accreditation Process was held during 17th 19th June 2019 for Internal and External Faculty members. ECE** • **Indian Regional Navigation Satellite Systems, Mr. M. Arun Sundar, DRDO, Chennai, on 02.05.2020.** • **Deep learning for Natural Language Processing,Dr. M. Anand Kumar,NIT, Karnataka,on 12.05.2020.** • **IOT Architectures RealTime Industrial UseCases,Mr. L.Lakshmi Narasimhan, CISCO, Bangaluru,on 21.05.2020.** • **Augmented Virtual Reality,Mr. R. Vijayarajan,MAX, Chennai,on 23.05.2020.** • **Applications of Speciality optical fibers and Photonic ICs,Dr. G. Thavasi Raja,NIT, Trichy,on 25.05.2020. EEE** • **AICTE SPONSORED THREE WEEKS ONLINE STTP ON "Smart Grid Monitoring, Protection and Control"/ 3 weeks program MECH** • **National level workshop on additive**

manufacturing conducted for faculty members on 28062019 by Mr. Venkat, Corporate Trainer, CADD Centre • One day workshop on geometric dimensioning and tolerance by Mr.K.R.N.Manoj on 06072019. • One day workshop on intellectual property rights by Mr.M.Ramjawahar, Additional Controller of Examination ,Patent Office, Chennai on 04102019 • AICTE Sponsored six days STTP on Electric vehicles : An Opportunity for India by Mr.Sundereswaran , Head EV Operations Ashok Leyland from 16032020 to 21032020 • An overview of electric vehicles by Mr. Venkat, Corporate Trainer, CADD Centre on 25042020 • Training on Welding : Heart of Industrial manufacturing sector by Er. S. Gopal, Sr. Engineer, QAQC, LT Construction on 27042020 • Industrial automation and phases of automation by Mr. KRN Manoj, Director Operations, Pumo Technovation India Pvt Ltd, Coimbatore On 28042020 • Nondestructive testing in welding by Er. S. Gopal, Sr. Engineer, QAQC, LT Construction from 30042020 to 03052020 • Computational software in automobile industry by Er.K.Rajiv Gandhi,Vehicle Dynamic Engineer,FCA Engg Pvt Ltd on 02052020 • Ten steps to become an Entrepreneur by Dr.E.Bhaskaran, Joint Director (Engineering)Ept. of Industries and Commerce, Govt. of Tamil Nadu on 02052020 • Machine learning applications in manufacturing sectors by Mr.R.Swaminathan, Research Scholar , IIT , Chennai on 03.05.2020 • Training on Conveyor belt vulcanizing machine used for bulk material handling by Mr. Jaimon Jacob, Product Development Head, Thejo Engineering Limited on 08.05.2020. • Role of CAE in Medical Technology by Er.K.S.Naveen Kumar,FEA Engineer, Stryker, Gurgaon on 10052020 • Electric vehicle for a sustainable future by Mr.R.Keerthivasan, Design Engineer, TESLA Motors , USA on 10.05.2020. • Heat treatment on weldments by Mr. R.K. Raajesh Kannan Proprietor Training provider, Certified Welding Inspector. R.K. Engineering Enterprises on 12052020 • Application of FMEA in Automobile Industries by Mr.M.Ajithkumar , o Production Engineer, Turbo Energy Pvt Ltd, Chennai on 21052020 • Industrial Basics by Mr. Govindasamy S, General Manager, Micro

	Plastics Pvt.Ltd on 24052020 • Leade
Targets were set for academic results and number of university ranks by all departments	• 15th rank in the odd semester 2019-20 in the Anna University Ranking of colleges. • University Ranks: CSE-15 ECE-4 MECH-8 EEE-2 Total - 29
To improve the students 'placement percentage • RHP (Recognizing High Performers) • Students will be selected based on the Coding skills during 3rd year • Rigorous training programme will be conducted by the Experts from I.T. Industry. • Mentoring will be done on 3:1 ratio (Students : Industry Expert) • Placement in Product Companies • CFL (Centre For Foreign Language) • Grabbing the International opportunities through Learning Foreign languages (Japanese). • As the Japanese Industrial market is in need of skilled engineers, the students are trained to learn the language and complete N5, N4, N3 certification courses. • 75 students were given International Offers from 2015 – 2019 batch. • Coding Practice through Webinars • 50 Hours Practice (25 Hours / Semester) in Skillrack portal for 2nd year and 3rd year • 50 Hours practice in skillrack portal for final year (during 7th Semester)	RHP (Recognizing High Performers) 1. The selection test was conducted by FACE Training academy for all the II-year students of 2018-2022 batch students. Totally, 20 students were shortlisted, and they have undergone training in Object oriented programming and C++ for the 2 semesters in the academic year 2019-20. 2.The 20 students of 2018-2022 batch students were evaluated and totally 7 students were shortlisted for further training in programming languages to make them ready for product specific companies. 3.There are 10 students in the RHP 2017-2021 batch. They have undergone training by Expanion training organization. The trainers from expansion and industry expert provided training for 10 weekends (every week Saturday) in the last two semesters in the academic year 2019-2020. 4. Weekly assessment conducted by product company-based programming problems. 5. Five out of 10 students got placed till date. CFL (Centre For Foreign Language) 1. Seventeen Hostel students and Ten dayscholar students of I year have enrolled for N5 level of Japanese Language 2. Around 10 students completed the course of N4 level of Japanese Language and waiting to take up JLPT exam on December 2020. 3. For the first time, we have conducted 'Japanese Elocution contest' for Japanese learning students in our college premises. 4. Jun ARISUE, Japanese language advisor, South India visited our campus and motivated our students to focus Japanese Language. He also insisted the significance of Japanese Language and Japanese job market in India and other countries. 5. Mr. K. Sudhakar, CFL coordinator, RMKCET and Mr. Naresh Kumar Thapa, CFL coordinator, RMKEC have participated "Japan Habba" tech fair at IISC, Bangalore. With this visit, we got two link of Japanese companies Rakuten and Fujitsu. CFL planning to bring these companies to our campus Coding Practice through Webinars 1. Coding practice

	Webinar of 50 hour is very much helping the students to prepare for the Campus Interviews. 2. The feedback from the students is very good. The coding skills are being taught in a clear way and this is helping students learn the nuances of coding. 3. Each semester 25 hours of coding is being taught.
To increase the students progressing to higher education the following programs have been planned. • Training on MBA, CAT, GRE / TOEFL / IELTS Examinations for II year students. • Training on Education in USA/UK/Germany/Netherland to III year and IV year students • A programme on "Education fair" based on higher education to final year students • TEDxRMKEC by Wipro Ltd., • Education in Bingham University (Newyork) by Dr. Upinder S Dhillon • 5 days BEC Classes for II year by Strides Education in Germany by DAAD	1. 1.GATE Exam Preparation Strategies and Manya- The Princeton Review Education Matters for IV year students 2. Industry 4.0 , Education Fair and GATE Orientation Program for III and IV year students 3. CIVIL Service Examination guidelines and DAAD Program for III year students 4. GRE/TOFEL/IELTS for II and III year students
To increase the Entrepreneurial culture among students, the following programs have been planned. • .Planning to conduct Business Plan competition • Student -Entrepreneurs Interaction Program • Interaction with Alumni Entrepreneurs • Targeting 10 students from all the stream to become successful entrepreneurs. • Start –up initiative to be taken • DST –NIMAT sponsored EAC	• One Day Workshop On Innovation Voucher Programme(Ivp) • One Day Workshop On National Innovation And Start-Up Policy (Nisp) • Six-Day Faculty Development Training Programme • One Day Workshop On Social Innovation &Entrepreneurship • Online Leadership Talk by Dr.AbhayJera,Chief Innovation Officer ,MHRD. • SIH 2020 Review- phase 1& phase 2 • Design Thinking Workshop • Workshop On Problem Solving • NEAT Logo Contest • Webinar On Essentials Business Skills • Interaction With Alumni Entrepreneur About Secrets Of Successful Entrepreneur • National Innovation Contest • Innovation day Programme • Tech Exhibition cum Demo day for Student Innovators • Business Model Canvas(BMC) • National Science Day • Workshop on IPR/Start-up policy • One Day Awareness Program On IPR & IP Management For Innovation And Start-Ups • Role of Network Enablers in driving I&E in HEIs • Online session on Innovation Risk Diagnostic -Product Innovation Rubric (PIR) • IIC CALENDAR ACTIVITY: FIELD TRIP FOR III YEAR ECE STUDENTS • Technical Students Innovation FEST-2019 • One Day Seminar on "HOW TO PLAN FOR START-UPS AND LEGAL AN ETHICAL STEPS" • Webinar on Indian Regional Navigational satellite system • Webinar on Deep Learning For Natural Language Processing • Webinar on Light house to study abroad • Webinar on "IOT

	architecture and real time use cases" • Webinar on "Augmented and Virtual Reality" • Webinar on "Applications and specialty of optical fibers" • Webinar on Innovation and startup- an Epicenter of Education" • Webinar on "Tips to Crack Interview by Alumni Experts"
The Feedback Report for the year 2018-19 was reviewed in the IQAC meeting held on 24-07-19 and Feedback Schedule for the year 2019-20 has been prepared and communicated.	Feedback report for the year 2019-2020 was received from all parameters and the Analysis and 'Action to be taken report' was submitted to IQAC.
To increase employability and Entrepreneurial culture, many Industry Institute Interaction activities like seminars, guest lectures with Industry people have been planned at the department level.	CSE • Department of Computer Science and Department ent organized inaugurated of CSE Students' associationon and CSI Students' association by Mr.V.Selva ar, Kumar Project Manager at Infosys on 02.08.2019. • The Department of Computer Science and Department organized National level technical symposia and the same was inaugurated by Mr.V.Nanda Kumar-CEO of Star Box also released technical magazine CSE TECH BUZZ on 03-09-2019. • Guest lecture was conducted for IV year students on the topic "Machine Learning" 02.08.2019 by V.Selva Kumar Project Manager infosys. • Guest lecture was conducted for III year students on the topic "Soft Skills Training" 14.09.2019 by Mr.Jaydip Das infosys. • Webinar on Machine Learning Frameworks used by Facebook and Twitter on 21.05.20 organized by cognizant students club • Webinar on Blockchain Technology on 22.05.20 organized by cognizant students club • Webinar on search engine optimization google use cases on 27.05.20 ECE • Field Trip for III Year ECE Students was arranged on19.12.2019,by Sans bond networking academy,. • Guest lecture was conducted on "How To Plan For Start-Ups And Legal An Ethical Steps",on 25.02.2020, by Er.Balasubramanian. • Webinar was conducted on "Indian Regional Navigational satellite system",on 02.05.2020,by Mr.M.Arunsundar, DRDO. • Webinar was conducted on "IOT architecture and real time use cases",on 21.05.2020,by Mr.Lakshmi Narashimhan,CISCO, Bangalore • Webinar was conducted on "Augmented and Virtual Reality",on23.05.2020,by Mr.R.Vijayarajan,Max,Chennai. EEE EEEG Guest lectures by • Mr. R. Ganesh,

	Hardware Engineer, Microchip on 6.7.19 • Mr. V. Nandhakumar, CEO, Starboxes India Pvt. Ltd on 3.9.19 • Mr. Muthukumar M; Business Head, IoT Product, Bosch on 17.2.2020 MECH Guest lectures by • KRN .Manoj, Geometric Dimensioning and Tolerancing on 06-07-2019 • Dr.Anil kumar Sharma, Scientist IGCAR KALPAKKAM, Nuclear Power Plant Engineering on 19-08-2019 • Xavier Jaganathan, CEO ,GOOD WIN MOTORS, Automotive Technology on 18-07-2019 • Deepak ,Engineer, CADD Centre, Additive Manufacturing on 29-06-2019 • A.R Subramani, Manager ,SRITECH ENGINEERING, Usage of Robots in Manufacturing on 22-02-2020 • M.Muthukumar, Delivery Manager, Robert Bosch , Applications of IoT in Mechanical Engineering on 17-02-2020
• Preparing to apply for Research Grants to Funding Agencies • Encouraging faculty members to publish quality research papers reputed journals • To send highly commendable Eco friendly projects to various funding agencies • Faculty Teams can be formed in their area of specialization to improve the standard of paper/project with effective time management. • Best students projects have to be identified and extended to get quality Publications and Funded Projects. • Review of the Research Status can be done periodically once in a week.	• More than 42 project proposal submitted to various funding agencies • Encouraging faculty member by providing Rs.7000 as incentive for their publications • More than 10 Eco friendly projects submitted to various funding agencies • Majority of final year project are published in scopus indexed journals. • Every 15 days once collecting research profress from the department and updating to Principal. • Submitted few funding proposals to setup Institute's Innovation cell
Academic Audit for the Year 2018-19 is scheduled in the first week of August 2019 .	Academic Audit for the Year 2018-19 was done in the second week of October 2019.
Internal Audit is scheduled in the last week of September and External Audit is scheduled in the second week of October 2019 .	Internal Audit was done on 18-9-2019 and External Audit was done on 10-10-2019 and 11-10-2019
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14. Whether AQAR was placed before statutory body ?   Yes

Name of Statutory Body	Meeting Date
Institute's Governing Council	16-Jul-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?   No

16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2020**
Date of Submission	**17-Feb-2020**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**Management Information System is a very strong tool available in our Institution to assist top management for planning, organizing, executing, monitoring, control and evaluation of the process efficiently. Correct decision making is possible with the efficient utilization of information. Management Information System has all the features that meet the requirements of all the stake holders related to quality technical education. Computer acts as a repository of all the data, Internet, Intranet and Websites – powerhouse of information sharing,. Year coordinators and Class advisors are involved in operational decisions HoDs focus on the tactical decisions and Principal concentrate on strategic decisions. Functions: ? Provide information on the current status, functioning and the results. ? To ensure that the information is available when needed for decision making. ? Plan education by integrating all the sources of information and to provide synthesized reports to the users. ? Use Internet as well as Intranet to have very fast transfer of information and make the decision process very fast. ? Collect, process, analyze and present the data in a manner that helps in effective planning, strategy development and policy formulation. ? The system provides various types of analysis such as number of students taken admission in a particular course, number of students passed out successfully, number of class rooms available, number of faculty available, Performance of the teachers, Disciplines, Placement process in vogue and its success, Research and development activities and Recognition of its courses by the Anna**

university/AICTE. These questions provide information for future plans and to take corrective actions. ? The Institution ensures a system of participative management whereby information flow and decision making processes are systematised and channelled through all key constituents of the College. The Head of the Institution ensures the collection of information through the following means: • Student management system • Faculty management system • On line feedback from the students • Class Committee meetings • Faculty meetings Report • Parent meet Report • Alumni meet Report • Interaction with recruiters and academicians • Internal and external audits • Management Review Reports (QMS) • Report from regulatory bodies like AICTE, Anna University, etc. • Academic Planner • Institutional Budget Planning • Faculty Appraisal Reports.

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 Principal, Head of Academic committee formulates and implements action plans for effective curriculum delivery. The Academic committee plans the Institution's academic schedule as per the University calendar which includes the details of number of working days, conduction of periodic tests, end semester examinations, evaluation plans, co curricular, extracurricular activities and the same is conveyed to all faculty members. The curriculum delivery plan includes the following. (i) Workload / Subject allocation (ii) Subjects are allocated based on the area of specialization, experience, results, feedback and the willingness of the faculty. (iii) As per the requirements of the hour, books by standard authors and books on various titles are procured and kept in the libraries for circulation. (iv) Course delivery Plan is done in quantum schedule based on the number of working days in the academic schedule. (v) The laboratory necessities like procuring new equipments, software's, servicing and calibration of equipments for the forthcoming semester are elaborately planned. (vi) Each faculty (subject coordinator) maintains a course file for the particular subject allocated for them, which in turn is reviewed regularly by the HOD and the Principal; and appraised by the Academic Audit Team. (vii) In addition to the regular teaching methods, faculty members are encouraged to impart the curriculum through innovative teaching methods such as multimedia presentations, smart classrooms, seminars, industrial visits, etc. (viii) Conduct of two Assessment Tests and one model examination in each semester as per the academic calendar. (ix) Conduct of remedial classes for the slow learners. (x) Students with good attendance and academic record are recognized by the class coordinators, student counselors and HODs. Parents are being frequently intimated about their

wards' performance and attendance details. (xi) Underperforming students are counselled in the presence of their parents. In case of any deficiency on the students' part, corrective measures are taken with the consent of the parents. (xii) For the holistic development of the students, the faculty members are assigned with the task of mentoring 20 students. (xiii) Internship programmes are planned for the students based on their core stream of study. (xiv) Seminars, Symposium and Conferences are planned and conducted based on the Academic Calendar. (xv) Industry involvement in Curriculum is done through Guest Lecture, Industrial Visits etc. IQAC monitors the effectiveness of curriculum delivery. The College encourages the faculty members to take part in the FDPs/ Orientation Courses/ Refresher Courses/ Workshops/ Seminars organized by the reputed institutions to improve their teaching practices with innovative techniques. Effective Learning is ensured with the ICT Tools integrated teaching that comprises Multimedia, LCD, OHP and computers with Internet facilities, Central and Department Library and E-learning facilities. Library hours are facilitated to have access to Reference Books, Journals and NPTEL content. Teaching- learning process and the curriculum supporting processes will be monitored for Quality Assurance through IQAC cell. Any deficiency or requirements identified through internal and external stakeholders will be rectified in the next academic year for the effective transfer of the curriculum.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
RPA Essentials by ICT Academy	–	24/04/2020	68	Employability and Entrepreneurship	Robot development, automation product creation
AWS Inventor by ICT Academy	–	24/04/2020	68	Employability and Entrepreneurship	Cloud services, web service development, cloud architect
Cloud Computing 101 by ICT Academy	–	24/04/2020	68	Employability and Entrepreneurship	Cloud data manager, cloud DBA
Introduction to packet Tracer by ICT Academy	–	24/04/2020	68	Employability and Entrepreneurship	Network administration, network monitoring, network troubleshooting
Cyber security essentials by ICT Academy	–	24/04/2020	68	Employability and Entrepreneurship	Cyber security, cyber forensics, ethical hacking
Introduction to IoT by	–	24/04/2020	68	Employability and Entrep	Internet of things

ICT Academy				reneurship	project development, IoT system development
Entrepreneurship by ICT Academy	-	24/04/2020	68	Employability and Entrepreneurship	Start up creator
Machine Learning onramp by ICT Academy	-	24/04/2020	68	Employability and Entrepreneurship	ML development
Deep learning onramp by ICT Academy	-	24/04/2020	68	Employability and Entrepreneurship	Deep learning model creator
Become job ready for developer by ICT Academy	-	24/04/2020	68	Employability and Entrepreneurship	Job readiness preparation
Stepathon – communication skills by ICT Academy	-	24/04/2020	68	Employability and Entrepreneurship	Communication skill development
Software-defined storage concepts by ICT Academy	-	24/04/2020	68	Employability and Entrepreneurship	SaaS development
Network virtualization concepts by ICT Academy	-	24/04/2020	68	Employability and Entrepreneurship	Virtualization services
Wipro Embedded	-	14/06/2019	18	Employability and Entrepreneurship	Training in programming and hardware based kits and software CDAC and Arduino
Internet of Things	-	05/08/2019	15	Employability and Entrepreneurship	Training in recent innovations and data analytics in internet of things
Automotive Electronics	-	14/06/2019	25	Employability and Entrepreneurship	Training program on Embedded Systems, hands on session on data analytics

					using Python
Robotic Process Automation	-	06/03/2020	16	Employability and Entrepreneurship	Training program on Robotic Automation Process
Wipro Telecom	-	31/07/2019	12	Employability and Entrepreneurship	Training in Wireless networks Artificial intelligence and machine learning in Telecom industry
Embedded System CoE	-	14/06/2019	18	Employability and Entrepreneurship	Training in programming and hardware based kits and software. CDAC and Arduino
Factory Automation	-	14/06/2019	6	Employability and Entrepreneurship	Mitsubishi FX PLC and Q PLC Training using hardware kits
Business English Certification	-	19/09/2019	10	Employability and Entrepreneurship	To enrich communication Knowledge and to improve language
NPTEL - Swayam	-	29/07/2019	84	Employability and Entrepreneurship	To bridge the curriculum gap and to enrich technical knowledge.
Coursera	-	10/06/2020	63	Employability and Entrepreneurship	Empowers Any University To Offer High-Quality, Job-Relevant Online Education To Learn The Latest Skills Like Business Analytics, Graphic

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	CS6008-Human Computer Interaction	20/06/2019
BE	GE6075-Professional Ethics in Engineering	17/12/2019
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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	Computer Science and Engineering	02/09/2019
BE	Electronics and Communication Engineering	02/09/2019
BE	Electrical and Electronics Engineering	02/09/2019
BE	Mechanical Engineering	02/09/2019

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

	Certificate	Diploma Course
Number of Students	2739	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
Internet of Things	20/12/2019	111
C Programming	27/12/2019	120
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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	BE-CSE-Amazon Internship	3
BE	BE-CSE-Zoho Internship	3
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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

An indispensable tool to understand the educational expectations of students is feedback. Hence, the institute treats this as an integral area of improvement and designed an effective feedback system. Feedback Process: With the formal feedback system and during class committee meetings, our institute collects feedback from both the students and the faculty thrice in a semester. The data received through feedback are analyzed and their suggestions are considered and placed before the Academic Committee for discussion and for possible modifications in the course delivery. Improvements observed as a result of the collected feedback in 2018-19 and implementation of action plans in 2019-2020 • Entrepreneurship and Development cell helped 64 teams to submit their ideas in MHRD National Level IIC contest. • Higher Education cell, in addition to conducting BEC preparation training for weak students, has conducted Tech Talk programs to students of all the departments. • Training and Placement cell has organised CoE Activities and provided training on Coding and on the latest Industrial technologies Students have done many projects through COE and 2 teams got shortlisted in SIH hackathon as a result of continuous motivation Analysis of feedback report obtained for the year 2019-2020 As per the analysis received of the feedback obtained from various parameters, the following suggestions are recorded and the action taken based on the suggestions given. Entrepreneurship Development Cell Students requested support in technical knowhow and exposure to projects, start-up contests and product development through MSME in the first year itself. In response, interactive workshop with more than 100 students was organised by inviting experts from MSME and EDII. Higher Education Cell Students asked for a helpdesk inside the college campus and guest lectures by alumni, for admissions abroad. In response, HE coordinators from each department have been assigned a country to prepare a PPT explaining the available universities and their admission procedures. Training placement cell Students opined to have more industry oriented guest lectures. A number of guest lectures, student-expert interactions from industry and online trainings were organised during lockdown. Feedback from Alumni The alumni stressed on the importance of proficiency in coding and the ability to relate subject knowledge with the practical implementation of the subject. Considering this, guest lectures, alumni interactions, webinars and online courses were organised during lockdown. Feedback from parents The parents expected the institute to create awareness among their wards on GATE/TANCET exams and entrepreneurship. In response, various awareness programs, workshops related to entrepreneur skills and innovation voucher programs for start up and patent filing were conducted. Feedback from Employers The employers expect the students to be more effective in communication during interviews and expect the students to possess advanced coding skills. Considering this, 48 hour Skill rack Coding webinar and a number of technical webinars were organised through COEs during the lock down period. Research Development Cell The faculty and students suggested having PG courses in the college. The management assured to start a few PG departments after obtaining the autonomous status.

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	Computer Science Engineering	180	177	177
BE	Electronics and Communication Engineering	180	162	162
BE	Electrical and Electronics Engineering	60	28	28
BE	Mechanical Engineering	60	34	34
[View File](#)				

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	1804	0	129	0	0

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
129	116	31	18	2	11
[View File of ICT Tools and resources](#)					
[View File of E-resources and techniques used](#)					

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

The Institute is working towards finding solutions to the ever changing challenges in dynamic learning community and extending support in their needs. We have an effective mentoring system in our College for the development of the students. It provides professional specialization and personnel support to facilitate success in under graduate study. The purpose of mentoring is given below ? To mould the students to be academically strong and to build the character of the students ? To prevent the student from diversions and making the students to be attentive in the class ? To help the students to understand his/her abilities and become a good human being ? To increase academic and social confidence in them to take right decisions ? To increase competency and strong interpersonal skills in the students. ? To provide Psychosocial support during critical stages of academics and career development Academic Performance ? Monitoring the student's performance regularly. ? Slow learners are identified and given special care. ? Motivating the better performing students to improve their CGPA and to focus on attaining University Ranks ? Encourage to participate in co-curricular activities and extra-curricular activities Professional Career Guidance ? Emphasizing the importance of soft skill trainings, group discussion, aptitude and attitude trainings etc. ? Encouraging the students to enrol in the professional bodies and to participate in professional activities. ? Motivating the budding engineers to equip themselves with technical skills to advance their career. ? Encouraging the students to enhance their communication skills. ? Advising the students to take part in COE activities and on-line courses like NPTEL, edX, Course era, etc. ? Creating awareness on various prospects/avenues Participation in outside activities ? Motivating the students to present papers at conferences and seminars to sharpen their technical skills. ? Encouraging the students to participate in various technical contest like Hackathon, Symposium ,Coding Context etc., General counselling ? Ethics,

decorum, etc are inculcated in the students. ? Students are advised not to indulge in in-disciplinary activities ? The institution tries to ensure the overall development of student community with the support of their parents and the faculty

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1804	129	13.98

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
128	129	0	33	34

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.k.Akila	Associate Professor	(Dr.kalam) Best faculty award
2019	Dr.P.Durga Devi	Associate Professor	(Dr.kalam) Best faculty award
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	104	1	20/11/2019	29/01/2020
View File				

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

? Assessment tests are planned before the start of the semester and the schedule is given to the students to plan their activities. ? Faculty plan their classes to complete the syllabus as per the schedule ? Question paper for the assessment test is selected by a software from the question bank prepared by the subject Coordinators. ? All assessment tests are evaluated with answer key scheme by subject teachers. ? After the evaluation process, papers are distributed to the students. ? The faculties discuss the answer key in the class after every internal test to clarify their doubt and enable them perform well in the forthcoming examination. ? Marks are entered in the Record of Class work, Campus Performance Tracker (CPT) and CO attainment sheet ? The marks obtained by the students are disseminated to their parents by SMS to their Mobile phones. ? Students are given permission to take up re-test only on genuine grounds. ? The analysis of data obtained through continuous assessment helps the weak students to be counseled and supported by the counselors and year coordinators for future improvement. ? The assessment process triggers the students to plan their course of action for the semester examination.

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

? The Institution plans the academic calendar at the beginning of the each semester in line with the university schedule. ? The institution calendar comprising academic, co-curricular and extra- curricular activities. ? The prepared department academic schedule is presented in the Department Advisory Committee for enhancing the learning effectiveness in terms of additional activities like Industrial Training, Workshops, Hands-on Training etc,. ? The approved academic calendar is used for preparing action plan and disseminated to faculty and students for effective implementation. . ? The Academic calendar booklet with Academic events, List of holidays, Rules and Regulations, Statutory Notices on ragging, Campus facilities and Programs offered is prepared for students' circulation prior to the beginning of every academic year. ? The institution academic schedule is published in the college website for easy access to all the stakeholders. ? The academic activities like practical and theory examination are scheduled according to the University academic calendar.

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://rmkcet.ac.in/alldept-cos.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
104	BE	Computer Science Engineering	114	91	79.82
106	BE	Electronics and Communication Engineering	174	137	78.73
105	BE	Electrical and Electronics Engineering	59	45	76.27
114	BE	Mechanical Engineering	138	94	68.11
View File					

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://rmkcet.ac.in/docs/IQACReport/StudentSatisfactoryReport2019-2020.pdf

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	21	AICTE	300000	300000
Major Projects	21	AICTE	300000	300000
Students Research Projects (Other than compulsory by the University)	182	TNSCST	7500	7500
Students Research Projects (Other than compulsory by the University)	182	TNSCST	7500	7500
[View File]()				

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
Outcome Based Education and Accreditation Process	Computer Science Engineering, Electronics Communication Engineering, Electrical Engineering, Mechanical Engineering, Science Humanities	17/06/2019
Innovation Voucher Programme	Computer Science Engineering	09/12/2019
National Innovation Start-up Policy	Computer Science Engineering	17/12/2019
One day Workshop on Intellectual Property Rights(IPR)	Mechanical Engineering	04/10/2019
One Day Workshop On Innovation Voucher Programme(IVP)	Mechanical Engineering	12/12/2019
One Day Workshop On National Innovation And Start-Up Policy (NISP)	Mechanical Engineering	17/12/2019
Six-Day Faculty Development Training Programme	Mechanical Engineering	03/12/2019
One Day Workshop On Social Innovation Entrepreneurship	Mechanical Engineering	07/12/2019
Online Leadership Talk by Dr.AbhayJera,Chief Innovation Officer ,MHRD	Mechanical Engineering	07/04/2020

SIH 2020 Review- phase 1	Mechanical Engineering	09/01/2020
SIH 2020 Review- phase 2	Mechanical Engineering	23/01/2020
Design Thinking Workshop	Mechanical Engineering	09/01/2020
Workshop On Problem Solving	Mechanical Engineering	10/10/2019
NEAT Logo Contest	Mechanical Engineering	05/10/2019
Webinar On Essentials Business Skills	Mechanical Engineering	23/05/2020
Interaction With Alumni Entrepreneur About Secrets Of Successful Entrepreneur	Mechanical Engineering	09/05/2020
Innovation day Programme	Mechanical Engineering	15/10/2019
Tech Exhibition cum Demo day for Student Innovators	Mechanical Engineering	19/12/2019
Business Model Canvas(BMC)	Mechanical Engineering	25/02/2020
National Science Day	Mechanical Engineering	10/03/2020
Workshop on IPR/Start-up policy	Mechanical Engineering	01/12/2019
One Day Awareness Program On IPR IP Management For Innovation And Start-Ups	Mechanical Engineering	13/02/2020
Role of Network Enablers in driving IE in HEIs	Mechanical Engineering	01/05/2020
Online session on Innovation Risk Diagnostic -Product Innovation Rubric (PIR)	Mechanical Engineering	15/05/2020
IIC Calendar Activity: Field Trip For III Year Ece Students	Mechanical Engineering	19/12/2019
Technical Students Innovation FEST-2019	Mechanical Engineering	04/10/2019
How To Plan For Start-Ups And Legal An Ethical Steps	Mechanical Engineering	25/02/2020
Webinar on Indian Regional Navigational satellite system	Mechanical Engineering	02/05/2020
Webinar on Deep Learning For Natural Language Processing	Mechanical Engineering	12/05/2020
Webinar on Light house to study abroad	Mechanical Engineering	15/05/2020
Webinar on "IOT architecture and real	Mechanical Engineering	21/05/2020

time use cases"		
Webinar on "Augmented and Virtual Reality"	Mechanical Engineering	23/05/2020
Webinar on "Applications and specialty of optical Fibers"	Mechanical Engineering	25/05/2020

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 Teaching Faculty	Dr.P.Durga Devi	Dr.Kalam Award	15/10/2019	Academics
View File				

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
RMKCET	VENTURE SPROUT	MSME	INOVATION	INNOVATION	10/03/2020
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	1	2

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	2
Electronics and Communication Engineering	3
Electrical and Electronics Engineering	2
Mechanical Engineering	2
Science and Humanities	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)
International	Computer Science and Engineering	9	0.9
International	Electronics and Communication Engineering	20	1.16
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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
Computer Science and Engineering	6

Electronics and Communication Engineering	6

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
Secure P2P Intelligent Network Transaction using Litecoin	Padmavathi M., Suresh R.M.	Mobile Networks and Applications	2019	6	RMK College of Engineering and Technology	6

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
An Improved Adaptive Modulation and Coding for Cross Layer Design in Wireless Networks	Shanthi K G and Manikandan A	Wireless Personal Communications	2019	3	3	RMK College of Engineering and Technology

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	5	388	91	20
Presented papers	45	9	1	12
Resource persons	1	3	2	3

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
Yoga Day	NSS YRC Unit of our	4	100

		college		

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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
Quality of Canteen	Eat right campus award with Five Star rating certification	Food Safety and Drug Administration Department, Ministry of Health and Family Welfare, Govt. of India	1804

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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 activites	Number of students participated in such activites
Observed National Deworming day with Primary Health Centre , Peruvoyal (08-08-2019)	Primary Health Centre , Peruvoyal, TN Govt.	Distributing tablet to students and nearby community	6	80

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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
Consultancy	Dr. T.G. Loganathan	SriTech Engineering	63
Consultancy	Dr. T.G. Loganathan	Saveetha School of Engineering	26

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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
Internship	Internship	Amazon	14/10/2019	03/07/2020	1. Subramani S 2. Sherin S

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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 LIMITED	27/02/2020	1.Project work 2.Solution development 3.Testing and Investigation	6

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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
54	28.24

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Classrooms with Wi-Fi OR LAN	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
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 patially)	Version	Year of automation
AutoLib Software Systems	Fully	5.2	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	24283	1045633	1019	508665	25302	1554298

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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
Mr. P.N.Senthil Prakash	PL/SQL procedure and triggers	Hands on exercises using hackerrank portal.	27/03/2020
View File			

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	606	5	310	5	5	1	5	310	0
Added	50	0	0	0	0	0	0	0	0
Total	656	5	310	5	5	1	5	310	0

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

310 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	https://youtu.be/FAlM7wHVsIY

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 incurredon maintenance of physical facilites
266	208	1532	1310

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)

? The college runs 5 departments. In total, there are 55 laboratories, 48 classrooms and 4 seminar halls that are enabled with ICT facilities. In addition to this, the college has 2 smart class rooms. ? Technical assistants under the supervision of the System administrator maintain the efficiency of the computers and corresponding accessories. Apart from the curriculum, the laboratories are effectively utilized to conduct technical training for students, value added courses and project work. ? Every department maintains a stock register for the available equipment. Proper calibration/serving is done and verification of stock takes place at the end of every year. ? Self-developed software, CPT software, is used to maintain all academic related details of the students. ? Smart Pick Software is used for generating question paper for every assessment exam from question bank. ? The Central Library of the college consists of 23,872 Volumes of books with 5202 titles and 1676 CDs.

The Library also subscribes for 10966 E-Books, 54 National Journals, 232 International Journals, 35 Magazines and 11 newspapers. Furthermore, the library has subscription to access online journals like SCIENCE DIRECT, McGRAW HILL, IETE and IEI. ? The Library Services are automated through the Standard Library Software package called Autolib 5.2 version. The Circulation System is fully computerised and all the documents are bar-coded. ? Separate hostels are provided for boys and girls. Boys Hostel has 100 rooms in which around 300 students can be accommodated and the Girls hostel has 20 rooms which accommodated about 70 students. The hostel rooms are spacious, adequately ventilated, well maintained and furnished with necessary accessories. The hostel also has a separate gymnasium and beauty parlour for the girls and a gymnasium, and air-conditioned saloon for the boys. ? A clinic, with beds along with resident Doctor Facility is available to take care of the health requirements of the students. Separate sick rooms for both boys and girls are also available. ? To facilitate on the spot money requirement, our college has Indian Overseas Bank ATM in the college premise itself. ? A Sound body is essential for a sound mind. Healthy and nutritive food is served for all the inmates of the college. There are four dining halls covering an area 200 sq.m where 870 students can be accommodated at a time. ? Transport facility is provided for students and staff members with 27 buses to various areas in and around Chennai. The food and transport facility is provided to all staff members at free of cost. ? The college has maintenance committee that oversees the maintenance of buildings, classrooms and laboratories. Adequate in-house staff is employed to meticulously maintain hygiene, cleanliness in the campus so as to provide a congenial learning environment. ? Classrooms, Staffrooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly by staffs assigned for each floor. Wash rooms and rest rooms are well maintained. Dustbins are placed in every floor. The Green Cover of the campus is well maintained by full time gardeners.

http://rmkcet.ac.in/about-library.php

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	Studious and economically poor	32	160000
Financial Support from Other Sources			
a) National	Selvaraj Trust	1	20000
b)International	-	0	0
View File

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 implemetation	Number of students enrolled	Agencies involved
N5 Japanese Training Orientation	07/01/2020	28	ABK AOTS
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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 passedin the comp. exam	Number of studentsp placed
2020	GATE Exam Preparation Strategies	14	4	4	4
2020	Industry 4.0	7	0	0	0
2020	CIVIL Service Examination	6	6	0	0
2019	GRE/TOFEL/IELTS	4	5	1	0
2019	Manya The Princeton Review Education Matters	0	12	0	0
2019	Education Fair	0	12	0	1
2019	GATE Orientation Program	11	14	3	3
2019	DAAD Program	0	14	0	0
[View File](#)					

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
1	1	2

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
COGNIZANT TECHNOLOGIES SOLUTIONS INDIA PVT LTD	275	71	BYJUS	5	1
[View File](#)					

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

Year	Number of students enrolling into	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to

higher education					
2020	2	BE	CSE	Jain CMS Business School	MBA
2020	2	BE	ECE	IIIT,Pune	MTech
2020	3	BE	EEE	POLITECNICO MILANO	MS
2020	11	BE	MECH	Sault College	MEngg

[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	5
GRE	2
TOFEL	1
Any Other	16

[View File](#)

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

Activity	Level	Number of Participants
BADMINTON DOUBLES	INSTITUTION	6
BASKET BALL	INSTITUTION	36
JUNK ART	INSTITUTION	37
MIME	INSTITUTION	32

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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
2020	FIRST	National	2	0	111616114066	Preethi

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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)

The college provides equal opportunity to the students for their active participation students in various academic administrative bodies. This empowers the students in gaining leadership qualities, managing the resources and performing various tasks that encourage their overall development. The organization of such committees and its functionalities are enumerated as follows: • Each committee has a representative council, which is called Class Committee and includes student members along with faculty members too. • The student members are encouraged to bring forward their views and suggestions of the entire class with respect to the faculty, subjects, syllabus and pedagogic

issues. • The composition of student members has been elegantly designed to include one of the academic toppers, one of the average performers and one slow learner (these students are chosen based on the ones who can better interact with other students and can bring the best representation from the class) of each section are nominated as class representatives, for all the sections from I Year to Final Year. • The Student council helps students to share their ideas, interests, preferences and concerns with faculty members and academic issues including continuous assessment issues. They often also help raise funds for institution-wide activities, including social events, community projects, helping people in need and college reformations. • Various programs like paper presentations, workshops and seminars are organized by these bodies every year to involve students to hone their techno-managerial skills and bringing their best and help them in their overall development to face the real life challenges after their graduation. We have formed various committees which includes students as member such as ? Grievance redressal cell ? Anti-ragging Committee and professional bodies o The Institution of Engineering and Technology (IET) o The Institution of Electronics and Telecommunication Engineers (IETE) o Indian Society for Technical Education (ISTE) o Computer Society of India (CSI) o Society of Automotive Engineers (SAE) o Institute of Electrical and Electronics Engineers (IEEE) o Indian Institution of Production Engineers (IIPE) o Institute of Engineers India (IEI)

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

3288

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

1255000

5.4.4 – Meetings/activities organized by Alumni Association :

14th Alumni meet of RMKCET conducted on 24.11.2019 (Sunday) at JP Hotel Chennai, A Unit of Hotel Jaya Pushpam Pvt. Ltd., Opp. Koyambedu Bus Terminus, Chennai-107. Other Activities: ? Guest lecture ? Mock interview ? Pre Placement talk ? Motivational Program for Higher Education Placements ? Constructive feedback is received from alumni to bridge the gap between current needs of industry and existing curriculum

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)

Decentralization: Decentralization is witnessed as a means of improving the quality of educational services during last year. Institutionhasamechanismfordelegatingauthorityandprovidingoperationalautonomyat various levels to work towards decentralized governance system. Governing body, Management, Principal, Vice Principal, Academic coordinator, Heads of departments, IQAC Members, Faculty, supporting staff and Stakeholders jointly propose, design, formulate and execute their plans within the frame work of governance. Practice 1: The decentralized governance model is evident as each department/faculty functions as a separate sub-unit in deciding and implementing the student-centric programmes and activities. All the department

heads are requested to present their Action Plan at the beginning of every academic year with a clear-cut roadmap to implement the same. The issues at the department level are discussed by the HOD with the faculty team in consultation with the Principal. This gives the faculty an enormous sense of belonging and pride in the institution and this brings out the best in them. Practice 2 Quality of teaching learning process is monitored by the Principal, Academic Coordinator, Heads of departments, Department advisory committee, Discipline committee, Year coordinators, class advisors, Subject experts, subject coordinators, subject handling faculty, counsellors and exam cell in-charge. Academic coordinator prepares the academic calendar of the institute which is a reflection of University's academic calendar that includes curricular, co-curricular, extracurricular activities. Academic calendar is meticulously planned and prepared in advance by academic coordinator and ensures the proper implementation of the academic calendar. Heads of departments are responsible for confirmation and observation of academic activities. They confirm courses delivery and practical completion, does defaulter counselling, takes action against findings, issues appreciation and gives input to IQAC. Discipline committee ensures student uniform and ID card and takes action on defaulter student and faculty. Class advisors prepare daily attendance report of each class and submit it to Principal. They Prepare nominal roll, consolidate monthly attendance and does result analysis. Year coordinators ensure smooth conduct of practical and lecture of class, takes feedback and syllabus coverage does student counselling. They conduct average, weak and advance learner activity and gives feedback to HOD. Counsellors interact with students to resolve their problems. The students whose attendance/performance is poor are identified and the same is informed to the parents through telephonic conversation and by SMS through counsellors. They keep record of Parent meeting and give feedback to Year coordinator or HOD. Participative management: Meetings are held periodically for discussing the issues and challenges, developmental aspect of the Institute. Thus, the institute encourages teachers, students, parents, corporate resource persons, employers, alumni, staff, class coordinators and class representatives to share their ideas, opinions, suggestions through proper channels i.e, through parent-teacher meet, alumni meet, class advisor's meetings, student feedback system and through other various committee meetings. The inputs received from various stakeholders of the institute are reviewed and those which are in line with our institute's Vision and Mission Statements will be considered for the decision making.

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
Curriculum Development	The college is affiliated to Anna University, Chennai and follows the curriculum and syllabi prescribed by the University. However, the compliances of the curriculum to meet the graduate attribute of the program is analysed and the gaps are identified to attain the program outcomes. The identified gaps are bridged by the following learning components in all the programs • Industrial visits • Internship/In plant training • Value added courses • Training programmes •

		Mini-Projects • Assignments to solve real time problems • Guest lectures • Seminar • Workshop
	Teaching and Learning	? Teaching and Learning Teaching: • Follow Outcome Based Education (OBE) approach. • Proper planning through Academic Calendar and Course delivery plan for each course. • Using Innovative teaching methodologies for teaching engineering concepts • Demonstrations/Simulations using modern tools like MATLAB, NS2, PSPICE to explain the principles and concepts. • Using ICT tools such as Google classrooms, Wiki spaces, On-line tutorials, On-line tests and development of App to help in quick learning process. • Use of teaching aids like OHP and LCD Projector in addition to Conventional lecture method. • Mentoring system to motivate the students • Corrective actions based on feedback from students Learning: • Project based learning to stimulate research appetite among students • Placement training and campus connect programmes to learn soft skills • Conduct of British English Language Certification courses • Periodic Academic audit to ensure the quality of Teaching Learning Process • NPTEL Certification courses by students and faculty • Knowledge enhancement and skills development of faculty and students through workshops, seminars, internships and certification courses • Additional classes for slow learners • Guest lecturers in the emerging field by experts from Industries, Research Organizations and Educational Institutions to enable Faculty and students to learn new technologies.
	Examination and Evaluation	• The subject coordinator prepares the question bank with different cognitive level of toughness with appropriate Bloom's Taxonomy. • Question bank is submitted to HOD for approval after subject coordinator scrutiny. • The questions are selected from the Question bank automatically using the "SMART PICK" software by exam cell. • Internal assessments are conducted as per the schedule in academic calendar. • The internal examination system has (i) Unit Tests and (ii) Internal Assessment Tests. • Unit tests will be conducted with completion of first and

	third unit and IATs will be conducted with completion of two units of the course to evaluate the students' performance. • Model exam are conducted with entire syllabus which predominantly supports the final end semester success of our students. Evaluation: • Subject handling Faculty evaluate answer scripts • Evaluated answer scripts are distributed to students • Marks are entered in the Campus Performance Tracker (CPT) software for reference and analysis. • Head of the department will initiate further actions to improve the performance of failed students such as special coaching classes, conduct of retest etc. • Marks scored by students will be communicated to parents through SMS.
Research and Development	? Research and Development • Each department comprises a Research Cell coordinated by Department research cell coordinator. • Research groups among Faculty are formed based on their research specialization to carry out research activities • Every faculty member is encouraged to complete Ph.D. • Encouragement for Filing of Patents. • Organizing Workshops for students and Faculty to update technical knowledge and skills. • Faculty are encouraged to take up research projects. • Faculty Publish their research findings in peer reviewed journal with impact factor. • Publication of Books and Book Chapters. • Participation in National/International Seminar and Conference • Sponsorship and on duty for participating in National/International Seminar and Conferences.
Library, ICT and Physical Infrastructure / Instrumentation	• The College Library and Information Centre have resources facilitating the Students with the latest Technology in accordance to the International Standards. • The College Library Contains 25302Volumes of books with 5397 titles and 1735CDs. The Library also subscribes to 10966 E-Books, 60 National Journals, 225 International Journals, 38 Magazines and 11 newspapers. To add to the wealth of options, RMKCET also has institutional membership in the Libraries of Anna University, British Council, DELNET (Developing Library Network, New

		Delhi), IEI and IETE. • Offline access to NPTEL and SWAYAM courseware for students • Facility to online courses including COURSERA, ICT ACADEMY and EDX. • The Library Services are automated through the Standard Library Software package called Autolib 5.2 version. The Circulation System is fully computerised and all the documents are bar-coded. • The computer centre with centralized AC is spread over an area of 1848 square feet with 606 systems of which three of them are servers with a configuration of 24 and 16 GB RAM and 30 Apple iMac systems. All other systems have 2GB RAM or 4GB RAM or 8GB RAM with 500 GB hard disc capacity, which are fully networked and have the latest software. The centre also has 51 printers and a 140KVA UPS with 30 Minutes backup. • Separate hostels are provided for boys and girls. Boys Hostel has 100 rooms and can accommodate about 300 students and the Girls hostel has 20 rooms, which can accommodate about 70 students. The hostel rooms are spacious, adequately ventilated, well maintained and furnished with necessary accessories. The hostel also has a separate gymnasium for boys and girls. Beauty parlour for the girls and air-conditioned saloon for the boys are available. A general store for provisions required by the students is also available. • There are four dining halls covering an area of about 200 sq.m for accommodating large number of students at a time. Healthy and nutritious food is served. • Separate sick rooms for both boys and girls are available. • To facilitate withdrawal of money, our college has Indian Overseas Bank ATM in the college premise itself. • ICT based tool Campus Performance Tracker (CPT) to monitor Student records, attendance and internal marks is available.
	Human Resource Management	• Quality, productivity, profitability, customer satisfaction and the image of an Institution depends largely on training, coordination and motivation of its Faculty and supporting staff. • The College ensures that personnel are competent on the basis of appropriate education, training, skills and experience. • Also, all employees are expected to work in an environment

stipulated by the service rules of the college. • Feedback is sought from the students in the middle of every semester and appropriate corrective action such as skill advancement, counseling by HOD is initiated to improve the performance of the faculty. • Self-appraisal for the faculty at the end of the academic year. • The college maintains appropriate records of qualification, training, skill and experience of all its staff members. • The following are the processes of the human resource management. ? Staff Selection Recruitment–Vacancy announcements are given in the leading newspapers and websites. Staff selection will be done through three processes. The first process will be the written test, followed by the technical round. Those who got selected in the first two processes will be having a final HR process. ? Staff Training Development–Every semester staffs are provided with in house training and training from outside educational institutions to enhance the skills and knowledge in their specific domain. ? Staff Appraisal- End of every academic year staff appraisal form is filled by individual faculty. Depending upon the performance HOD will appreciate or advice.

| Industry Interaction / Collaboration | Mous Have Been Signed With 26 Reputed Industries 1.Soliton Technologies Pvt. Ltd. 2. Infosys Campus Connect Ltd. 3. S P Robotics Work Pvt. Ltd. 4. Mitsubishi Electric India Pvt. Ltd. 5. Excel Industries Ltd 6. Nutech CNC Pvt. Ltd. 7. Metagarage 8. Virtusa Polaris Pvt. Ltd. 9. iNautix Technologies Ltd. 10. Johnson Controls India Pvt. Ltd. 11. Poseidon Group of Company 12. Nittan India Tech Pvt. Ltd. 13. KPIT Technologies Ltd. 14. SunLite Software Solutions 15. Hitachi Solutions 16. Computer Science Corporation 17. Parametric Technology Pvt Ltd 18. Metamorphosis 19. Kamatchi Industries Ltd 20. The British Council 21. University of Applied Sciences Upper Austria, Austria 22. Princeton Review 23. Cambridge ESOL, University of Cambridge, UK 24. Missouri State University 25. Meta Techgarage 26.MosIC Solutions Bangalore. Entrepreneur Development Cell (EDC) is functioning for enhancing the industry-institute |

	relationship. • The cell invites experienced academicians, leading professionals with extensive corporate experience and entrepreneurs to address the students and thereby facilitate practical learning. • Conducting awareness programmes on entrepreneurship skills and engineering and technological fields. • Collaborating with the industry for R D Projects. Students are regularly arranged for Industrial Visits and Inplant Training to update industrial standards • BSNL • Dhoordakshan Kendra (DD) • All India Radio (AIR) • National Archialogical Research Laboratory (NARL) • Sansbound etc., Faculty Memberships in Professional Bodies • IEEE • ISTE • IE • SAE • IET • IIPE Periodical Invited Talk by Industry experts are arranged for the students. Direct communication between the experts and the students is encouraged by having ALUMNI working in different industries in and out of India to facilitate the outperforming students to do real time projects and to participate in various project contests. Interaction Centre of excellence (COE) – Industry experts with industry tie up provides training to students based on the industry demands. COE in the following cooperate group is available Artificial Intelligence ,Big Data, Cloud, Information Security, Front End Technologies, Product Life cycle Management, Telecom, Automotive RD, Embedded Systems, Automotive Electronics, Internet of Things (IoT), Factory Automation. Department Advisory Committee (DAC) - Every department has a Department Advisory Committee. Industrial experts are the advisory members of the committee who will provide the inputs for training the students on trust areas.
Admission of Students	• Admission of students is done according to the rules and regulation of the Government of Tamil Nadu and AICTE norms. • Under Government quota, the students are selected for various courses through single window counselling conducted by Anna University based on their cut-off Marks inHSC. • Under Management quota, the students are selected for various courses through entrance conducted by

	Consortium of self-financing Engineering colleges and their class XII Scores. Computer Science Engineering – 180 Electrical and Electronics Engineering – 60 Electronics and Communication Engineering - 180 Mechanical Engineering - 60

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

E-governace area	Details
Planning and Development	Decision making process is dependent of information. Based on the information available through Computerized data base, Intranet, Internet, Website, social media and social networks for the following aspects such as Number of students enrolled, Disciplines and the courses running, Placement process in vogue and its success, Marketing strategy adopted and its impact on the enrolment, and Affiliation body, reasons of the problems, details of popular courses, reasons of students taking admission in this institute, marketing strategy adopted, fees charged for the course competitive in comparison to other contemporary institutes, Top management set norms and standards. Gap analysis carried out to identify the areas of concerns as well as areas of opportunities. The information available is used for appropriate action plans.
Administration	The growth and future of any educational institute depends on its resources and more on their effective utilization. It is not enough to only arrange resources but their timely acquisition, utilization and monitoring is absolutely essential for the success of the organization. The college have a software "Campus performance Tracker" to do the above tasks. Moreover, the Head of the Institution ensures the collection of information through the On-line feedback from the students, Stakeholder feedback through Google forms, Interaction with recruiters and academicians, Internal and external audits and Report from regulatory bodies like AICTE, Anna University, etc. The consolidated feedback and actions initiated are forwarded to the Principal by the HOD through email. It will be reviewed by the Principal and send to the management for further

	action. The suggestions given by the Management are implemented under the leadership of the Principal.
Finance and Accounts	The college uses TALLY software for Finance and Accounts related operations of the college. This helps to increase the efficiency and the accuracy in financial transactions. The college conducts regular audit of annual books of accounts. The administrative office keeps all THE financial records separately as per the events and transactions made.
Student Admission and Support	The College uses CPT software for the admission purpose. College has extended helping counter for the students which provides them several services as such Admission form Filling, Examination form filling as well as Scholarship Form filling at one place only.
Examination	The College has the Examination Cell equipped with ITC tools necessary for conducting examination. Necessary facilities such as Desktop and Internet Facility for online procedure of Paper Downloading and further activities for exam purpose are provided by the college. The examination department has separate Machines for printing the question papers downloaded from university portal. College has 'SMART PICK' software for automatically generating questions of question bank for Internal assessment tests.

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
2019	Dr.M.Balasubramanian	Novel Methodology Implemented in Modifying the Nozzle by Incorporating Multi Start Internal Thread to Achieve High Material Removal Rate in The Abrasive Jet Machining Process	Patents | Intellectual Property India | Government of India	10000

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	3 days Faculty Development Programme (FDP) on "STUDENT PSYCHOLOGY" by NITTTR	-	17/06/2019	19/06/2019	44	0

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
FDP on "Automotive Electronics" BOSCH TRAINING CENTER, Regional Centre	1	03/06/2019	07/06/2019	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
129	129	27	27

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
• Fees concession is provided for wards • Gratuity. • EPF to all employees. • Promotion and increments. • 60 days' vacation per year - 20 days during winter and 40 days during summer. • Each faculty shall avail 12 days of Casual Leave (CL) in an academic year and 3 days Earned leave	• Fees concession is provided for wards Gratuity. • EPF to all employees. • 30days vacation per year - 10 days during winter and 20 days during summer. • Each faculty shall avail 12 days of Casual Leave (CL) in an academic year and 3 days Earned leave (EL). • Special casual	• The institution is working towards ensuring social justice through the various students' welfare schemes. • The induction programme clearly presents the welfare schemes available to the students. • The following welfare schemes are made available for the students. ? Providing

(EL). • Special casual leave for a period of 5 to 15 working days for special occasions such as employee's wedding. • Maternity leave is provided for women employees. • In campus quarters for Faculty. • Hostel accommodation for single occupant. • Medical leave is provided for the faculty members. • The Institute provides transportation, breakfast, lunch and refreshment every day to all the teaching staff. • The faculty members, who attend workshops / seminars, are provided sponsorship and on duty. • Sponsorship for paper publication and Patent application. • TA/DA also provided for attending workshops / seminars, conferences, etc.	leave for a period of 5 to 15 working days for special occasions such as employee's wedding. • Maternity leave is provided for women employees. • Hostel accommodation for single occupant. • Medical leave • The Institute provides transportation, breakfast, lunch and refreshment every day to all non-teaching staff. • Sponsorship and on duty for attending workshops / seminars, are provided Sponsorship for paper publication and Patent application. • TA/DA also provided for attending workshops / seminars, conferences, etc.	Institutional scholarships and financial assistance for economically weak students with good academic track ? Providing state and central government scholarships about 39 of students apply and get the State and Central Government Scholarships under various scholarship schemes and the amount is directly credited into their bank accounts. ? Providing medical facility ? Providing financial support for participation in conferences, paper presentations in other institutions ? Funding for innovative in-house projects ? Supporting facilities for getting educational loan ? Academic tutor mentorship ? Career guidance and campus placement ? Providing special coaching from GATE Forum

6.4 – Financial Management and Resource Mobilization

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

Our Institution conducts internal and external financial audits regularly, Internal audits conducted by auditors, External audit conducted by our Administrative officer of RMK Engineering college as well as auditors.

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
RMKCET	40000	To explore students in innovative science projects
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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	ISO		Coordinator -Academic Audit
Administrative	Yes	Certified Charted Accountant		Chief Accountant

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

* Every year during the induction program of the first-year students Parents-Teachers meeting will be conducted. Rules and Regulations of the College, College vision and mission, efforts to be taken to improve the academic performance and placement opportunities of their ward will be discussed. • The counselor intimates the progress of the students to the parents regularly. The absenteeism of the students to regular classes is intimated daily to the parents by the class advisor over phone. The performance of the students in the internal/university examinations is communicated to the parents through SMS. • Parents are invited to discuss the performance of the students if required. Necessary steps are taken for the individual student's improvement jointly by the teachers and parents. • Parents feedback is also collected and their perspectives on the needs and demands of their wards are consolidated and addressed. • Constructive suggestions from parents through parents meeting have enabled the administration to understand their aspirations and better functioning of the college

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

* Skill Development Programme on MS Office for Non-Teaching faculty

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

* Innovative Teaching -Critical Assignments, Project based learning • Establishment of Project Lab • More thrust on research and consultation activities • Provisions were made for students to participate in national and international level events • The Institute Innovation Council has started under which we have an incubation centre, encouraging start-ups, conducting Entrepreneurship development programs, conducting innovation contests.

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	3 days Faculty Development Programme (FDP) on "Student Psychology" by NITTTR	17/06/2019	17/06/2019	19/06/2019	44
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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 – 2020	07/03/2020	07/03/2020	215	30

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
Percentage of power requirement of the College met by the renewable energy sources (Solar cell) 200W The Institution, on a regular basis, makes a thorough environmental assessment of the campus and implements healthy ecological practices in water and energy conservation and waste management. Our Institution promotes societies like NSS and YRC to create awareness among students and to sensitize students on environmental issues and to motivate them to promote ecological justice and sustainable development. Through these societies the students are exposed to various service orientation camps like Arrest Global Warming and Tree Plantation camp.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Ramp/Rails	Yes	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0

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
2020	1	1	23/01/2020	1	Survey	1. Sexual harassment 2. Domestic violence 3. Fear	8

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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)
College Prospectus	20/06/2019	The college prospectus has been prepared and distributed in the beginning of every

		academic year to all stakeholders.
Academic calendar	01/07/2019	Academic calendar has been prepared and distributed in the beginning of every semester to all the students and faculty. It is also available in the college website.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Half- a- day Career Orientation Programme on "Become an Engineer" by Mr. Sivakumar Palaniappan, Mastering Mind	08/01/2020	08/01/2020	392
Stepping Stone – Career Orientation (1 Day) by M/S. face	09/01/2020	10/01/2020	396
Vision- A step towards finding your right career path by M/s Focus academy for career Enhancement	18/10/2019	19/10/2019	393
One day orientation program by Shri. Jayapraash A Gandhi	30/09/2019	01/10/2019	395

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

Some of the eco initiatives of the campus include: ? Clean and Green Campus ? Surface Storage For Rain Water ? Rain Water Harvesting ? Sewage Treatment Plant ? Organic Compost Pit ? Solid Waste Management ? Reverse Osmosis Plant

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

The best practices followed by the institute are: I. TITLE: VIRTUAL BASED LEARNING 1. Goal: To improve the effective utility of e-learning platforms in order to improve and update the quality of education of the students with respect to the subjects. 2. The context: To inculcate the essence of teaching, learning and research capabilities of students. 3. The practices: 1. All the students are taught real-time applications based on the topics. 2. Skills are developed through practical examples via online video sessions. 3. Online quizzes has been conducted and evaluated for a series of session. 4. Hands-on training sessions are handled by subject experts from inter and intra colleges. 5. NPTEL and other online courses has been embedded with the real-time classes. 6.Provided opportunities for students to explore their views in reality-based learning platform. 4. Problems Encountered: 1. Few students are reluctant. 2.

Slow learners find difficult to cope up with academics and extra courses. 5. Resources Required: Experts from Industries and Educational Institutions. 6. Evidence and Success: Shown a massive improvement and interest in learning and developed a multidimensional way of seeing and solving problems. I. TITLE: ACTIVITY BASED LEARNING 1. Goal: To improve and implement practical knowledge of students in the respective domains. 2. The context: To provoke the research thirst and attainments of the student's inbuilt technical ideas. 3. The practices: 1. Mini-project competition has been conducted. 2. Practical way of seeing and handling the issues has been taught. 3. Ecofriendly method of solving problems are developed. 4. Analytical and logical skills has been improved. 5. Motivated to participate in events like Hackathon, Codevita contests. 6. Practical lab sessions are given through online platforms. 4. Problems Encountered: 1. Some students faced network connectivity issues. 2. Lack of programming skills. 5. Resources Required: Laptop/Desktop with proper network connectivity and supporting software 6. Evidence and Success: 1. Interaction and involvement of students has improved. 2. Knowledge sharing and innovative ideas has been shared.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://rmkcet.ac.in/iqac-bestprac.php

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

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust Provide the weblink of the institution in not more than 500 words VISION To be knowledge hub of providing quality technical education and promoting research for building up of our nation and its contribution for the betterment of humanity. MISSION To make the best use of state-of-the-art infrastructure to ensure quality technical education. To develop industrial collaborations to promote innovation and research capabilities. To inculcate values and ethics to serve humanity The Institutes vision is to be a knowledge hub of providing quality technical education and promoting research for building up of our nation and its contribution for the betterment of humanity. In line with the institute vision, the institute provides a state-of-the-art infrastructure to ensure quality technical education, research and industrial collaborations to promote innovation. To nurture the students who have brilliant innovative ideas, research cell in the college provides all guidance and support. Good quality research work of students and faculty members could also get published in the National / International reputed conferences and journals. A few innovative ideas are converted into filing patents. In order to support this initiative, Institute provide separate work space within the campus with high speed Internet connectivity, necessary laboratory infrastructure in terms of hardware and software, and faculty guidance. Students also receive financial assistance from the Institute in terms of seed money/encouragement awards to start their research and development work. Students are participating in Govt. Initiatives such as Smart India Hackathon etc. Every year, mini-project competitions, symposium, conference, etc are arranged to encourage research among students.

Provide the weblink of the institution
http://rmkcet.ac.in/index.php

8.Future Plans of Actions for Next Academic Year

Faculty Training One Week Faculty Development Programme on Embracing The Creative Side of Teaching and Learning Methods" from 29.06.2020 to 03.07.2020

CSE: • AICTE sponsored short term training programme on Cognitive Computing from 17.08.20 to 22.08.20 • Planning to conduct one week on the topic Machine Learning during January and to conduct hands-on session for 3 days on the Quant computing during March. ECE: • One Day FDP on Fundamentals of Image Processing, Mr. Thalish Sajeed, Senior Associate, Cognizant Technology Solutions, Chennai ,on 26.6.2020. • AICTE Sponsored Short Term Training Programme (STTP) on Supervised and Unsupervised Machine Learning Using Google Cloud, November 2020. EEE: • Five Days Application of Power Electronics in Smart Grid and Electric Vehicles by AICTE Training and Learning FDP between 14/12/2020 to 18/12/2020 • AICTE SPONSORED THREE WEEKS ONLINE STTP ON "Smart Grid- Monitoring, Protection and Control"/ 3 weeks program (18 days) from 20-7- 2020 to 12-9-2020 MECH: • Planned to conduct AICTE Sponsored short term training programme on Electric vehicles, Manufacturing Applications of micromachining Academic Results University Results: 85 Graduands percentage: 95 Placements: 85. Placements • Making students Industry ready by strengthening their programming skills. • Providing customized training for the students by conducting Pre Assessments and Post Assessments before and after the Training Programmes. • Providing foreign language trainings • Through Centres of Excellence(CoE) making students get placed in core companies. Higher Education • BEC Orientation and Training Program for II second year students • Plan to conduct orientation program for Civil service Examinations • Plan to conduct awareness program for GATE/GRE Program for Third year and Final year students • Plan to arrange Foreign university admission procedures in various countries with our Alumni for final year students • To conduct BEC Exam for II year students in February 2021 Entrepreneurial Development • To disseminate about "National Innovation Startup Policy for Students and Faculty" among students and faculty. • Executing IIC Calendar Activities for Academic Year 2020-21 in the following thrust areas • Identifying students' project and converting into products to apply for funding through MSME Business Incubator Feedback from all parameters The schedule for getting feedback for the year 2020-2021 was communicated to all. Industry Institute Interaction CSE • One day guest lecture on Server less computing and Natural Language processing • Two days seminar on Internet of Things(IoT) ECE: • Webinar on Innovation and startup- an Epicenter of Education",by Mr.Balajee Manoharan,MSME, Chennai,04/09/2020. EEE: Industrial Visits planned to LUCAS TVS ,230KV Korattur Substation,400 KV Alamathi substation, Ashok Leyland, Manali, Southern Railway, Arakonam MECH: Consultancy on composite EOAT adaptor and with M/s. Chakravathvee Industries on Design and Fabrication of Die is under discussion. • Training on Windchill has been planned for all PLM students and Faculty Team. • Hybrid vehicle competition in association with ISIE. Research and Development • Motivating the Faculty members to publish journal papers in reputed journals. encouraging to receive funding from external funding agency.