YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	`R.M.K. Engineering College`
• Name of the Head of the institution	`Dr. K.A. Mohamed Junaid`
• Designation	`Principal`
• Does the institution function from its own campus?	`Yes`
• Phone No. of the Principal	`04467906790`
• Alternate phone No.	`04467906790`
• Mobile No. (Principal)	`9865707860`
• Registered e-mail ID (Principal)	`principal@rmkec.ac.in`
• Address	`R.M.K Engineering College, RSM Nagar, Kavarapettai, Gummidipoondi Taluk, Thiruvallur District, Tamil Nadu-601206`
• City/Town	`Kavaraipettai`
• State/UT	`Tamil Nadu`
• Pin Code	`601206`
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	`31/07/2021`
• Type of Institution	`Co-education`
• Location	`Rural`

• Financial Status	**Self-financing**
• Name of the IQAC Co-ordinator/Director	**Dr.M.Somasundaram**
• Phone No.	**04467906640**
• Mobile No:	**9840099774**
• IQAC e-mail ID	**iqac.nacc@rmkec.ac.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	http://rmkec.ac.in/NAAC/RMKEC-AQAR-2020-FINAL.pdf
4.Was the Academic Calendar prepared for that year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	http://rmkec.ac.in/calendar/cal.php

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A+**	**3.52**	**2017,2021**	**12/09/2017**	**31/12/2025**

6.Date of Establishment of IQAC	**14/07/2016**

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
R.M.K. Engineering College, Science, and Humanities Dr. S.D.Uma Maheshwari	UBA	Centre For Rural Development And Technology	01/01/2020	175000
R.M.K. Engineering College, Science and Humanities & Mechanical Engineering Dr.S.D.Uma Mageswari & Mr.K.Muralidharan	UBA	Centre For Rural Development And Technology	01/01/2020	50000
R.M.K. Engineering College, Electronics and Communication Engineering Mr.S.Jagadeesh Babu	Student Project Scheme	TNSCST	01/01/2020	7500
R.M.K. Engineering College, Electronics and Communication Engineering Dr.Elwin Chandra Monie	SEED	TIDE	01/01/2019	2619136

R.M.K. Engineering College, Electronics and Communication Engineering Dr.K.A.Mohamed Junaid	RPS	ACITE	01/01/2020	875039
R.M.K. Engineering College, Electronics and Communication Engineering Dr.T.Suresh	MODROB	AICTE	01/01/2020	713725
R.M.K. Engineering College, Electrical and Electronics Engineering Dr. Geetha Ramadas	MODROB	AICTE	01/01/2020	700000
R.M.K. Engineering College, Electrical and Electronics Engineering Dr.Y.Sukhi	UBA	Centre For Rural Development And Technology	01/01/2020	100000
R.M.K. Engineering College, Civil Engineering Dr.Binu Sukumar & Ms	DDP	DST	01/01/2019	2720696

.A.Hemamathi				
R.M.K. Engineering College, Civil Engineering Dr.Binu Sukumar	MODROB	AICTE	01/01/2019	1791000
R.M.K. Engineering College, Civil Engineering Ms. Aishwarya R	SAMRIDDHI	AICTE	01/01/2021	25000
R.M.K. Engineering College, Civil Engineering Mr.K.Muralid haran	UBA	Centre For Rural Development And Technology	01/01/2020	50000
R.M.K. Engineering College, Mechanical Engineering Dr.K.R.Senth ilkumar	MODROB	AICTE	01/01/2020	1759641
R.M.K. Engineering College, Mechanical Engineering Mr.C.Jayabal an	Student Project Scheme	TNSCST	01/01/2020	7500
R.M.K. Engineering College, Mechanical Engineering Dr.K.Chandra	STTP	AICTE	01/01/2020	300000

sekaran				
R.M.K. Engineering College, Electronics and Instrumentation Engineering Dr.N.M.Jothi Swaroopan	SAMRIDDHI	AICTE	01/01/2020	1380000
R.M.K. Engineering College, Electronics and Instrumentation Engineering Dr.T. Ganesekaran	MODROBS	AICTE	01/01/2019	800000
R.M.K. Engineering College, Computer Science Engineering Dr. B Jaison	STTP	AICTE	01/01/2021	300000
R.M.K. Engineering College, Computer Science Engineering Dr.K.ChidambaraThanu	STTP	AICTE	01/01/2020	275000
R.M.K. Engineering College, Computer Science Engineering Dr.T.Suresh	ATAL	AICTE	01/01/2020	93000

8.Provide details regarding the composition of the IQAC:

• Upload the latest notification regarding the composition of the IQAC by the HEI	[View File](#)	

9.No. of IQAC meetings held during the year	**2**	

• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	**Yes**	

• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	

10.Did IQAC receive funding from any funding agency to support its activities during the year?	**No**	

• If yes, mention the amount		

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

1) AI-powered learning platform "Edwisely" App developed and Implemented. 2) Online webinars including resource persons from foreign universities and Alumni across the globe. 3) Preparation of Digital Course Content for all the subjects in the curriculum. 4) Mentoring of other Institutions for NAAC & NBA Accreditation. 5) Initiative to improve the salary package of students by bringing more product-based companies.

12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
To get a good NIRF Ranking	**Ranked 170th Position (Engineering Category out of the 200 Institutions including IITs and NITs in the NIRF India Rankings 2021 released by Honourable President of India**
To Achieve a good ARRIA ranking	**Band A institution (ranked between 06-25) in the category**

	of private or Self-Financed
To Improve Research Culture/Outcome	Domain Based Research Groups are formed All the Faculty will be a member in any one of the domains, Regular Monitoring of research at the department level and the college level
To Introduce new UG Program in the latest technology	Received Approval from Anna University for starting B.Tech CSBS and B.Tech AI&DS from the academic year 2020-21.
To offer Industry supported Courses	Various Industries like TCS, Cognizant, Virtusa, HCL Technologies, KPIT Technologies Ltd , Kaar Technologies , Johnson controls, Hitachi Solutions India Pvt. Ltd, L&T Construction, Mitsubishi Electric India Pvt., Ltd., etc., are associated with RMKEC in (a) Framing Curriculum and Syllabus (b) Imparting training to students in latest technologies through guest lectures.
To get Technical support Alumni	Conducted more than thirty Alumni Guest Lectures, Mock interview process have been conducted by Alumni.
To Improve Project-based learning Culture	Applied for funding to establish IDEA laboratory which can cater to the requirement of Institutions in and around our Institution
To Improve Industry Institute Interaction	New CoE's Introduced Robotic Process Automation Automotive Electronics and Front End Engineering

13.Was the AQAR placed before the statutory body?	Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Council	04/12/2021

14. Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
01/01/2021	28/02/2022

15. Multidisciplinary / interdisciplinary

Vision of the Institution is:

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

- Institution works towards contributing to the society through pursuit of education, learning and research in engineering and its allied fields with a holistic multidisciplinary approach and to mould the students as responsible Engineers for societal development and to achieve global recognition.
- The institution has under graduate programmes in the fields of Civil Engineering, Computer Science and Engineering, Electrical and Electronic Engineering, Electronics and Communication Engineering, Electronics and Instrumentation Engineering, Information Technology, Mechanical Engineering, Artificial Intelligence and Data Science, Computer Science and Business Systems, Computer Science and Design. The department of Science & Humanities has Mathematics, Physics, Chemistry, English and General Engineering under its canopy and provides strong support to all the Engineering departments in incorporating science and mathematics courses in the curriculum.
- R.M.K.Engineering College is an Autonomous Institution affiliated to Anna University. The institution follows Choice

Based Credit System for all the B.E. / B.Tech. Degree programmes. All the Programmes have a curriculum with syllabi consisting of theory and practical courses. The courses are categorized under Humanities and Social Sciences (HS), Basic Sciences (BS), Engineering Sciences (ES), Professional Core (PC), Professional Elective (PE), Open Elective (OE), Mandatory Courses (MC) and Employability Enhancement Courses (EEC) which includes Project Work and/or Industry Internship, Seminar, Case Study, Placement Training Courses and Industrial/Practical Training.

- The institution aims to produce graduates with innovative thinking and passion for research to meet global challenges. In order to meet the industry and societal needs the institution has started industry relevant under graduate programmes in Artificial Intelligence and Data Science (AI&DS), Computer Science and Business Systems (CSBS), Computer Science and Design (CSD) with industry knowledge partners (Cognizant, TCS, Mindtree) during the year 2020-21. For AI&DS, CSD 40% of the curriculum and syllabus is provided by the industry knowledge partners. For CSBS, 100% curriculum is provided by TCS.

- Students were motivated to carryout multidisciplinary mini projects to deepen their learning skills beyond memorization and also students were encouraged to apply for patents.

- "Technical Club" concept started during the year 2019, provides a common platform for interdisciplinary/multidisciplinary technical activities as well as opportunities to identify problems and provide engineering solutions. Various clubs namely Math Club, Language Club, Science and Innovation Club, Coding Club, Photography Club, Astronomy Club, Tedx Club, Eco Club, Cultural Club and Yoga Club are in existence and are very active in conducting various events through out the year.

16.Academic bank of credits (ABC):

- RMKEC has initiated the process to register under Academic bank of credits via National Academic Depository.

- Academic bank of credits is a credit facility originally envisioned by the Government of India in the National Education Policy (NEP) 2020. The scheme has the provisions of creating a digital infrastructure that will store the academic credits earned by the students of various higher education institutions within the country.

- The ABC will be entrusted with the responsibilities such as opening, closing, and verifying the individual academic

accounts of students. It will also be responsible to gather the academic credits earned by the students from their respective higher education institutions, verify the credits, store the credits, transfer or redeem such credits, and promote them as and when required among its stakeholders.

- Centralised Repository: The credit bank will be an online repository where students' academic credit, calculated on the basis of classwork and tutorials, will be stored. Credits deposited on the ABC platform will be valid for a maximum of seven years or the duration specified for a given discipline. Once the certificate/degree is collected by the students, all the credits earned by them till then will be deleted from their respective accounts. In RMKEC A candidate who secures not less than 50% of total marks prescribed for the course [Internal Assessment + End semester Examinations] with a minimum of 45% of the marks prescribed for the end-semester Examination, shall be declared to have passed the course and acquired the relevant number of credits. This is applicable for both theory and practical courses (including project work).

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- Customised Learning: ABC offers learners greater choice and flexibility in choosing courses and institutions, allowing a liberal mix of educational programmes that are vocational, academic and more. A student can avail multiple entry and exit options in higher education institutions and opt for a tailor-made degree. They can choose to study one course a year in one institution and switch to another one the next year.

Through the scheme RMKEC has the provisions to meet the industry and societal needs. Our institution has started industry relevant under graduate programmes in Artificial Intelligence and Data Science (AI&DS), Computer Science and Business Systems (CSBS), Computer Science and Design (CSD) with industry knowledge partners (Cognizant, TCS, Mindtree) during the year 2020-21.

- Supports Student Mobility: Reduces time commitment, which lowers the risk of student dropout and improves social mobility for economically disadvantaged students. Because students don't have to start over from scratch, higher education is more approachable and appealing. If students do not or are unable to complete the entire program of study, they can track their progress toward their qualifications and reward the learning that has been completed. This can boost confidence and encourage further learning.

In RMKEC, Conduct of Supplementary examination is in practice. If a student fails to secure a pass in courses in any semester, he/she is allowed to write arrear examinations in the supplementary / Arrear Examinations conducted within a period of one month after the publication of results, when the examination is conducted in that course; he/she should continue to register and reappear for the examinations in the failed subjects till he/she secures a pass. However, the absentees in any current semester examinations may be permitted to write the supplementary examination conducted within a period of one month after the publication of results is subject to, the valid reason provided by the student and the recommendation by the HoD with approval of the Academic Council.

- **Collaborative Processes:** ABC can promote and facilitate inter-institutional partnerships, thereby elevating quality in education.
- **Promotes Employability:** Promotes the use of vocational courses, multi-disciplinary courses and multi-modal approaches which lead to better career decisions. The adaptability of academic programs will allow students to find employment after receiving any level of award and return as needed to upgrade their qualifications, reduce the dropout rate, and raise the Gross Enrolment Ratio (GER) in higher education.
- **Diverse Options:** Students who are enrolled in the courses offered by National Schemes like SWAYAM, NPTEL, V-Lab shall also be considered for credit transfer and credit accumulation under this provision. Those admitted to skill courses from registered higher education institutions offering vocational degrees or diplomas or postgraduate diplomas or certificate programmes are also eligible for accrual and redemption of credits under ABC.

Digital Course Material was designed and developed by our team of Faculty for the effective utilization of students in the Teaching Learning process.

17.Skill development:

- **R.M.K. Engineering College has strengthened the curriculum by combining the cutting-edge Industry-focused technology along with the core subjects, to excel globally.**
- **Centre of Excellence Laboratories are established in various areas including Artificial Intelligence and Big Data Analytics, Cloud Computing, Cyber Security, Front End Engineering, Telecom, Embedded Systems, Automotive Electronics etc., The CoE is formed with advisory committee members from**

various leading industries in the respective field. Faculty are being trained through Train-the-Trainer programs by the associated industry and inturn those faculty members train the students. It enhances the students' skills and train them to participate in programming challenges, coding competitions and hackathons organized by industries. Trainings and certifications by CoE provide great opportunity to network with industry experts, make students job ready and help the students to build a successful career path.

- Keeping in mind the needs of the industry, the institution offers training in Personality Development, software and hardware applications with the involvement of eminent and acclaimed trainers and motivational speakers. The soft-skill capability of students is enhanced through regular training programs such as Mission Possible Workshop, Personality Development - Path Finding and Soft Skill Development.

- R.M.K. Engineering College offers the Google Cloud Computing Foundations curriculum which introduces students to the breadth of cloud technology with concepts, hands-on labs, assessments, and a capstone project on topics ranging from cloud infrastructure, application development, big data, and machine learning. It enables learners to develop technical proficiency in cloud computing. This course is an ideal foundation for diverse career paths including those in IT infrastructure, data analytics, and cloud-native application development.

- The course Universal Human Values make the students more responsible in life, and in handling problems with sustainable solutions, while keeping human relationships and human nature in mind.

- The Choice-Based Credit System (CBCS) is implemented including Open Elective Courses and Online Courses impact the opportunities for Student Exchange programmes and enhances the skillsets for Corporate Readiness. Students are encouraged to attend the NPTEL course followed by a proctored certification exam.

- Enhanced curriculum for career enrichment under autonomous system is designed with inputs from eminent experts from Industry and academia through Board of Studies. Curriculum delivery is implemented using project based learning, activity based learning and blended learning. Self-Learning is inculcated among students by using RMK Nextgen an AI powered Learning platform to impart Personalized Learning Experience. Students were encouraged to carryout Research based mini projects to enhance their knowledge in multidisciplinary areas. Digital Course Material was designed and developed by

- our team of Faculty for the effective utilization of students in the Teaching Learning process.
- Our institution is involved in various technical activities in collaboration with professional societies like CSI, ISTE, IEI. Best of these activities include technical hands-on training, programming contest, paper presentation, mini-project contest and mobile app etc., Established various clubs for showcasing co-curricular and extra-curricular talents and a coding club to enhance programming skills.
- The intense Aptitude and Coding Practice, Internship activities comprised within the Curriculum throughout the study, bolster students to get introduced to the culture of industrial practices, skills and become potentially employable in premier multinational corporate / industries.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

According to Kautilya, Education shall aim at three outcomes as characteristics in graduates: Creation of New Knowledge, Wisdom to use the right knowledge in right time & place for right purpose, and the skillsets to get the proper results of knowledge in real life. These outcomes are possible only when the Education System is properly balanced with the integration of knowledge and skills in an appropriate manner.

RMKEC has introduced a mandatory non-credit course titled "Essence of Indian Traditional Knowledge" as part of the curriculum, which covers the following topics:

- INTRODUCTION TO TRADITIONAL KNOWLEDGE

Define traditional knowledge, nature and characteristics, scope and importance, kinds of traditional knowledge, Indigenous Knowledge (IK), characteristics, traditional knowledge vis-a-vis indigenous knowledge, traditional knowledge Vs western knowledge traditional knowledge

- PROTECTION OF TRADITIONAL KNOWLEDG

The need for protecting traditional knowledge Significance of TK Protection, value of TK in global economy, Role of Government to harness TK.

- LEGAL FRAMEWORK AND TK

The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006, Plant Varieties Protection and Farmer's Rights Act, 2001 (PPVFR Act); The Biological Diversity Act 2002 and Rules 2004, the protection of traditional knowledge bill, 2016.

- TRADITIONAL KNOWLEDGE AND INTELLECTUAL PROPERTY

Systems of traditional knowledge protection, Legal concepts for the protection of traditional knowledge, Patents and traditional knowledge, Strategies to increase protection of traditional knowledge

- TRADITIONAL KNOWLEDGE IN DIFFERENT SECTORS

Traditional knowledge and engineering, Traditional medicine system, TK in agriculture, Traditional societies depend on it for their food and healthcare needs, Importance of conservation and sustainable development of environment, Management of biodiversity, Food security of the country and protection of TK.

RMKEC has organized Toy hackathon in the year 2020 and also encouraged students to participate in Toycathon 2021, a national level event based on Indian civilization, heritage, culture, mythology, history, ethos, technology, ethnicity, national heroes and important events organized by MoE and also organized various seminars related to traditional knowledge.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

R.M.K. Engineering College introduced its first curriculum under Autonomous system, during the academic year 2020-21. The main features of the curriculum are:

- Introduction of new course on "Aptitude and Coding Skills with 1 credit from 3rd semester to 6th semester. This course mainly aims at developing programming skills of the students and the outcome of the course is evaluated by taking into account both the performance during the course of training and the Aspiring Minds Computer Adaptive Test (AMCAT) results.
- Industry Internship with 1 credit and internal evaluation is carried based on the report submitted by the student.
- Each Department is aligned with one industry as knowledge partner and the industry provide 30 - 40% of the syllabus based on the skillset they expect from the students recruited during on campus placement.

- Curriculum structure is framed by including 6 Professional Elective subjects and 2 Open Elective subjects.
- Professional Electives have 6 verticals and each vertical will have minimum 6 subjects. Students are free to opt any elective based on their interest.

All the faculty members are encouraged to attend 5 days' workshop organized by NITTTR, on OBE. They are trained by both internal and external experts on "how to teach, assess and evaluate the learning outcomes of students. They are also trained on the following:

1. Framing of Course Outcomes (CO) (ii) Mapping of Course outcomes with Program Outcomes (PO) (iii)Attainment calculation of COs and POs

They prepare the assessment method and evaluation schemes for their students and submit the internal marks. All the questions in the Continuous Assessments Tests and End Semester Examinations are mapped with Blooms Taxonomy.

- Each subject is designed by including at least one mini project for each chapter. Students are awarded marks based on their involvement and the same is included in the internal mark calculation.
- Our institution is the first institution in Tamil Nadu to go digital. All the students are given online assessments through RMK NextGen APP, which is exclusively designed for RMKEC. This app is equipped with digital course materials and learning snippets. Faculty can post any assignment or test in this platform and students will be given sufficient time to submit their answers. CO-PO mapping software is also included in the app.

20.Distance education/online education:

Innovation in Open and Distance Learning (ODL)

- Our institution is situated in a rural area and more that 30% of the students are from the same rural area. To help the students learn the subjects with more clarity, each faculty prepares course material and lecture videos similar to NPTEL system of online learning and are available in the institution website. This can be accessed by everyone who has active college mail ID.
- We have partnered with Coursera, EdX and Infosys Springboard. All students are assigned with one subject per semester, based

on their choice. Also all students and faculty members are
encouraged to undergo industry related online courses like
Wipro certification, Google Cloud, Oracle certification etc.,
Our college has NPTEL local chapter, functioning in our campus
and students and faculty attend at least one course per
semester. As per our curriculum, student can earn 1 credit for
4-week course, 2 credits for 8 -week course and 3 credits for
12- week course. Also faculty members are encouraged to
attend NITTTR online courses. Students and faculty members are
All the faculty members will get some points in their self-
appraisal, if they submit the certificate.

- R.M.K. Engineering College is the first college in Tamil Nadu
  to establish an AI Powered campus. RMK Nextgen, an AI powered
  customised application is available for all the faculty and
  students. This app provides learning content and learning
  snippets and makes learning very interesting. The app also has
  unique facility for evaluating the level of understanding of
  each student.
- Each Department has a separate smart classroom with all
  facilities including a smart board.

Extended Profile

1.Programme

1.1   **12**

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File]

2.Student

2.1   **3003**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	[View File]

2.2   **802**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3   **3002**

Number of students who appeared for the examinations conducted
by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1   **334**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2   **217**

Number of full-time teachers during the year:

Extended Profile

1.Programme

1.1 Number of programmes offered during the year:	12

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 Total number of students during the year:	3003

File Description	Documents
Institutional data in Prescribed format	View File

2.2 Number of outgoing / final year students during the year:	802

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 Number of students who appeared for the examinations conducted by the institution during the year:	3002

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 Number of courses in all programmes during the year:	334

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 Number of full-time teachers during the year:	**217**

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3 Number of sanctioned posts for the year:	**217**

4.Institution

4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	**269**
4.2 Total number of Classrooms and Seminar halls	**94**
4.3 Total number of computers on campus for academic purposes	**1180**
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	**1145.13**

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

All the departments of this autonomous institution are empowered to formulate and revise the curricula and syllabi based on the need of the industry and society. The BoS of each department has external members from various industries and reputed universities apart from faculty members of each individual Department. The curricula and syllabi which are formulated by the department are discussed in detail at the department level and then it is

presented at the BoS meeting for further analysis and discussion. Finally, it is fine tuned based on the inputs given by the external members and then submitted to the academic council for approval and subsequent implementation.

All the attributes mentioned in POs and PSOs are completely addressed by the curriculum.

The Institution adopted an online teaching-learning process during the pandemic situation with the help of online platforms like Zoom, Google meet etc. Online Assessments, through a structured Question paper, are conducted and their results reflect on the student's ability to remember and apply course outcome and their related knowledge. The end semester examination also is conducted in online mode as per Anna university guidelines.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	Nil

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

12

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

43

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	**No File Uploaded**

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

35

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	**No File Uploaded**
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

12

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	**No File Uploaded**
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The institution strives to be a leader among all the educational

institutions in achieving the environmental excellence and committed to develop green thinking and green practices into all aspects of daily operations. Aim to reduce waste production by recycling and reusing and envision a workplace where every process has been greened.

Curriculum includes,

- Universal Human Values - Understanding Harmony

- Environmental Science and Engineering

- Professional Ethics in Engineering

- Total Quality Management

- Principles of Management

- Student Induction Program

In Addition, we are also having clubs like,

- ECO Club, Math Club, Language Club, Science and Innovation Club, Coding Club, Photography Club, TEDx Club, Cultural Club, Yoga Club, Astronomy Club,

- National Service Scheme

- Youth Red Cross

- Unnath Bharath Abhiyan Activities

Faculty members make students aware of the basic components of the environment and their application in various fields through the subjects Universal Human Values & Environmental science and Engineering in first and second year. Tree plantation, seed ball preparation, seminars and paper presentation competitions are conducted.

Moral and ethical values, gender equality and Human values are educated to students through some of the courses like Professional ethics in Engineering, Principles of Management and Total quality Management.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	**No File Uploaded**

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

07

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

5190

File Description	Documents
List of students enrolled	View File
Any additional information	**No File Uploaded**

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

2941

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	**No File Uploaded**

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is	A. All 4 of the above

obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

File Description	Documents
Provide the URL for stakeholders' feedback report	http://www.rmkec.ac.in/cel/shownaccaqar.php
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following	**A. Feedback collected, analysed and action taken made available on the website**

File Description	Documents
Provide URL for stakeholders' feedback report	http://rmkec.ac.in/cel/show_sss.php
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

697

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

299

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

The institution assesses the learning levels of the students and organizes special Program's for slow learners and advanced learners.

Slow Learners:

- The slow learners are given counseling by their respective counselors, coordinators and the HoD.
- Parents or guardians of these students are called and given counseling so as to identify and rectify their difficulties.
- Remedial Online classes, coaching classes and retest are also conducted.
- Digital Course Material, Lecture slides and Videos are provided by each subject handling faculty.

Advanced learners:

- High performing students are motivated by Counselor, Year Coordinator and the HoD to achieve academic excellence through paper presentations in seminars and conferences and to publish their research articles in quality journals.
- Highly performing students are identified through RHP selection process and training Program offered to our RHP students by introduction of industrial expectation and to gain problem solving skills and translate to code.
- Top skill rack performers are identified by skill rack and given training in JAVA and C programming language.
- To provide a bridge between industry and academics, several CoE labs namely, Telecommunication, Embedded, Cloud computing, Cyber Security are established in collaboration with industries.
- The students are also motivated to participate in corporate contests.

The advanced learners are encouraged to join CFL (Center for Foreign Language) and learn any foreign language of their choice.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://rmkec.ac.in/cel/showaboutus.php?dept=coe

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2021	3003	217

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

- **Students are motivated to participate in Competitions whichoffersa chance to the students for gaining substantial experience, showcase skills, analyze, evaluate outcomes and uncover personal attitude.**
- **Competitions also encourage the students to adopt Innovative Techniques and develop their ideas.**

Model Building and Prototype

- **Model Building and Prototype competition is to encourage the students to build their own models and demonstrate functionalities of the product.**
- **Prototype is used to test different working aspects of a product before the Design is finalized.**

Institution Innovation Council (IIC) webinars and workshops

- **Institution Innovation Council (IIC), RM.K. Engineering College conducts Webinars and Workshops to the students of various disciplines.**

Mini Projects, Paper Presentation, Project Presentations and Corporate Contests

- **To enhance the interpersonal, innovative and presentation skills of the Students Intra Department contest is conducted every year.**
- **A Paper Presentation and Project Presentation contest is hosted for Second and Third Year Students respectively.**

Class Room Activities, Online simulation Labs and Virtual Industrial Visits

- **Class Room Teaching, Assignment, Tutorial, Quiz and video lecture are planned well in advance before the beginning of the semester.**
- **Industrial Visits are planned to impart real time experience to students**

File Description	Documents
Upload any additional information	[View File](#)
Link for additional Information	**Nil**

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

- **As our College is student centric, our faculty members use various ICT Tools to make the session interactive and more knowledgeable.**
- **During regular class and guest lectures; projectors, smart boards with audio, visual devices are used.**
- **Video lectures are also uploaded in the college website, which help the students to clarify their doubts and understand the concepts clearly. Students find virtual classes to be more effective and convenient.**
- **Online classes and various webinars were conducted during lockdown through Zoom and Google meet with Quiz, polling etc.**

Skill Rack Platform :

1. **Trainings and Practice Test on programming skills is given to all the students using skillrack platform for 3hours per day.**

2. It enhances the programming skills of the students.
3. The training components include Daily challenge, MCQ , Code Practices, etc.,

Interactive White Boards or Smart Boards:

1. Interactive white boards allow projected computer images to be displayed, manipulated, dragged, clicked, or copied.
2. Simultaneously, handwritten notes can be taken on the board and saved for later use.

Digital course materials / lecture slides & videos

1. For all the courses digital study material, lecture slides and Video are available for all programs in respective department web page

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://drive.google.com/file/d/15sr5cbSuO W5tj5VxHEdx2TcHE_-29zM6/view?usp=sharing
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

151

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

The Anna University prescribes the academic schedule for every semester that should be followed by the Institutions. Based on this schedule, the Institution prepares the Academic Calendar and Academic Schedule of activities in such a way that the activities are completed in line with the schedule given by the Anna

University. The calendar so prepared is circulated to all the faculty members and students individually before the commencement of each semester. This is helpful in pre-planning all the activities by the department, faculty members and students. The calendar includes the details given below

1. Date of commencement of the class
2. Dates of the commencement of the internal assessment tests
3. Date of completion of syllabus
4. Tentative dates for End Semester practical and theory exams
5. Total number of working days
6. Details of holidays

? Training programs, soft-skill, value-added courses and personality development courses are conducted on a regular basis for the students to enable them for better placement.

? Bridge Course is conducted for those courses that require prerequisite not specified in their higher semester syllabus.

? Special coaching classes are also arranged for lateral entry students to make them understand the engineering concepts

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

217

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

77

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

2098

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	**No File Uploaded**

2.5 - Evaluation Process and Reforms

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

34

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	**No File Uploaded**
Upload any additional information	**No File Uploaded**

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Mechanism of internal assessment is transparent and robust in terms of frequency and mode

- **Examination procedures**
- **Processes/Procedures integrating IT**
- **Continuous Internal Assessment System**

The Mechanism of internal assessment at institution level is carried out by COE Virtual Mode.

Question Paper Setting:

- **COE prepares the exam schedule as per the academic calendar.**
- **It is circulated to the department through mail after approval of the principal.**
- **The subject coordinator who is one of the subject experts set the question bank as per the pattern and send mail to COE.**
- **In COE, questions are chosen randomly from the question bank using SMART PICK system.**
- **During the internal Assessment exam COE Sends 9 set of question papers to HOD, HOD will send the Question Paper to Year coordinator finally the Year coordinators will send the question papers to the concerned students according to their category(Average/Above average/Below average). Separate Whatsapp group is created by COE team to monitor the work**

Evaluation of answer scripts:

- **All the Subject Handling faculty create Google Classrooms for their subjects to upload answer sheets.**
- **All the counselors create a google meet link, and their students join the meet link and write the internal**

assessment exam with their video switched on.
- **Assignments (I & II), Unit Tests (I & II), Internal Assessments (I & II), Revision Tests and Model exams are conducted every semester, for the continuous assessment of students learning process.**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	**Nil**

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The Programme Outcomes and Course Outcomes for all Programmes offered by the institution are Framedand displayed on the college website. The links for all the Programme Outcomes and Course Outcomes are attached as a Single file underUpload COs for all courses.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	[View File](#)
Upload any additional information	**No File Uploaded**
Link for additional Information	**Nil**

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

First and foremost, COs are designed for each course. The effectiveness of the teaching-learning process is verified by assessing the course outcomes. For each course, around six course outcomes are identified. The knowledge level for each course outcome is assigned based on the Bloom's Taxonomy knowledge level. Course outcome is evaluated by considering the students' performance in the internal assessment and End Semester examination.

The Program Outcomes are predefined for all the engineering courses. The Program Specific Outcomes (PSOs) are defined based on the curriculum which offers a number of core courses, elective

courses and project works. The attainment of Program Outcomes (POs) and Program Specific Outcomes (PSOs) is measured using both direct and indirect assessment tools

Each course COs are mapped to the POs and PSOs. The attainment of a particular CO will help to find the attainment of corresponding POs and PSOs.

The attainment of particular PO through a course is calculated by the average of multiplication of attainment of all relevant COs in the course and the weightage of their mapping between CO and PO. The overall PO attainment is then calculated by taking the average of PO attainment levels. In same way PSO attainment is calculated.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

800

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	[View File](#)
Upload any additional information	[View File](#)
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

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

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The objectives of the Researchpolicy are as given below.

i. Faculty members shall conduct research in basic concepts related to their department and in the application of research ideas to practical problems.

ii. Shall publish papers in peer-reviewed journals, indexed in databases such as Web of Science, SCOPUS, and SCI journals.

iii. Shall satisfy any norms stipulated by regulatory bodies - AICTE, UGC, and Anna University.

iv. Each faculty member shall publish at least 2 journal papers in a year in indexed journals.

v. All eligible faculty members shall register for the Ph.D. program within a year of their appointment.

vi. Faculty members holding Ph.D. shall apply for supervisor-ship in a year after obtaining a Ph.D. degree.

vii. Each department shall start a Research Center approved by Anna University and allow Full-time and Part-time scholars to conduct under the research Center.

viii. The institution shall form Domain-Specific Groups so that faculty members can focus on specific areas and research by interaction and collaboration among its members.

ix. Shall collaborate in research with nationally renowned institutions like IITs, NITs, IIITDMs, and international Universities.

x. Shall collaborate with experts from the industry and work on the specific problems related to their industry.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	http://rmkec.ac.in/data/Research/Research%20policy.pdf
Any additional information	**No File Uploaded**

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

4.392

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	**No File Uploaded**

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

1

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	**No File Uploaded**

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

147.71

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	**No File Uploaded**

3.2.2 - Number of teachers having research projects during the year

21

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	**Nil**
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

20

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

8

File Description	Documents
Supporting document from Funding Agencies	[View File](#)
Paste link to funding agencies' website	https://drive.google.com/file/d/16VjEIvXZJcdIvEfCyGufrbLXbGclAZRu/view?usp=sharing
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Institution's Innovation Council (IIC)

Aim

To create a vibrant innovation and start-up ecosystem in R.M.K. Engineering College.

Functions of IICs:

To conduct various innovation and entrepreneurship-related activities

- Identify and reward innovations and share success stories.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Create an Institution's Innovation portal to highlight innovative projects carried out by institution's faculty and students.
- Organize Hackathons, idea competition, ARIIA, Innovation Ambassador Program, Start-up policy, mini-challenges etc. with the involvement of industries.

1. Major Activities:

- RMKEC Hackathon (Hardware and Software)
- Project Expo
- Field visit to villages and schools
- Business Plan Contest
- Intellectual Property Rights workshop
- Entrepreneur Talk

- **Leadership Talk**
- **Innovation day Celebrations**
- **Voucher A Program**
- **Startup & Entrepreneur Award functions**

1. **Achievement: Awards**

- **Received 5 stars rating by MHRD 2020, Government of India.**
- **ARIIA Ranking 2020 Band A (Rank 6-25) across the country by MHRD, Government of India.**

- **Smart India Hackathon 2020 Team Mobiltron of EEE won the First Place in SIH 2020 Hardware Edition with a cash prize of Rs 1,00,000/-**

- **Ranked38th acrossIndiaunder Institutionof Academic Excellence category in OBE Ranking 2021**

- **AICTE Chhatra Vishwakarma Award 2020 Team Firebird of EIE won the Second Place with a cash prize of Rs. 31,000/-**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

11

File Description	Documents
Report of the events	[View File](#)
List of workshops/seminars conducted during the year	[View File](#)
Any additional information	**No File Uploaded**

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee	**B. Any 3 of the above**

Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software	

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	**No File Uploaded**

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

3

File Description	Documents
URL to the research page on HEI website	www.rmkec.ac.in
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	**No File Uploaded**

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

427

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	**No File Uploaded**

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

7

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://drive.google.com/file/d/1dlOimvrc59coyN3scGm36mkirbPB2Lzy/view?usp=sharing

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

438

File Description	Documents
Any additional information	**No File Uploaded**
Bibliometrics of the publications during the year	[View File](#)

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

128

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	[View File](#)
Any additional information	**No File Uploaded**

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

16.50

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	*View File*
List of consultants and revenue generated by them	*View File*
Any additional information	**No File Uploaded**

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

12.76

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	*View File*
List of training programmes, teachers and staff trained for undertaking consultancy	*View File*
List of facilities and staff available for undertaking consultancy	*View File*
Any additional information	**No File Uploaded**

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Describe the impact of extension activities in sensitising students to social issues for their holistic development within a maximum of 200 words.

RMKEC is a proud member of UBA 2.0, a flagship program of MHRD, Government of India. Under UBA, many developmental activities are undertaken with the help of NSS, YRC and Eco club. A partial list of activities conducted are:

- **Awareness programs on COVID-19 virus and**

safety/precautionary methods were conducted in adopted villages, Vaccination drive for staffs were organized inside the campus.

- Road Safety Programme was conducted on 25.01.2021 to create awareness among students in collaboration with Road Transport Office, Gummidipoondi.

- Guidance for Online Teaching & Learning Programme Provided for Nearby College/School Students.
- Pamphlets were distributed to nearby villages to create awareness on covid -19 & hand hygiene.
- Migrant workers were provided with food during the COVID-19 pandemic lockdown.
- R.M.K. Engineering College has donated Rs 1.08 crores to the Chief Minister's Public Relief Fund towards the state to fight against COVID-19.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

9

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

02

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

230

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

1468

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	**No File Uploaded**

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

20

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	**No File Uploaded**

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

R.M.K. Engineering College is adorned with excellent infrastructural facilities. It has an ample number of classrooms, tutorial rooms, department library with reading rooms, faculty rooms, department seminar halls, state of art laboratories with sophisticated equipment. All 60 classrooms are equipped with a LCD projector facility with LCD screen, notice board, display board, and dust bin.In addition, there are 24 tutorial classrooms and 10 Seminar halls available with all facilities.Every department has a well-furnished smart classroom. This smartboard is an interactive whiteboard with a touch screen display connected to the internet.

The computer center has a universal central facility, with internet access through 500 Mbps with a strong internet link. The Computer center has the state of the art Servers, Printers, Plotter, Licensed software, and Open-source software. It has a power backup through a 246 KVA UPS and 1105 KVA generator set. Air conditioning is provided by the central air conditioning system.

As per the government order, during the pandemic period, classes and laboratories sessions were conducted using Google classrooms, Google Meet, and Zoom link. Tests and examinations were conducted using Edwisely and Examly platforms. Practices and tutorials sessions were encouraged using skill racks.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	Nil

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

A massive auditorium was constructed in the institution in the year 2005. It has a built-up area of 1670 sq.m,with a seating capacity of 3000 students to organize cultural activities, games and students meetings, etc. This Auditorium have four unique gigantic ceiling fan which improves airflow to the entire area.

The institution has an excellent standard 400M athletic track, a cricket ground with 90 yards, ball badminton, volleyball, football field, handball, and kabaddi court. The existing basketball and

tennis courts were renovated with synthetic courts. The semi-indoor courts such as badminton courts were renovated with synthetic courts. Indoor games such as table tennis, carom; chess, etc. are also available in the campus. A well-equipped A/C Hydraulic gym available at boys & girls hostel respectively.The Institution is equipped with an air-conditioned power gymnasium with state-of-the-art equipment for men which could accommodate 100 students per session. Each sessions were engaged by experienced trainers. The hydraulic gymnasium (Air Conditioned) is equipped with the latest multiple machines including three thread-mills. A separate gymnasium for women is also annexed with the girl's hostel.

Yoga club was started and students were motivated to participate in all the events organized especially by Yoga Club

File Description	Documents
Geotagged pictures	[View File](#)
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

60

File Description	Documents
Upload any additional information	[View File](#)
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View File](#)

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

858.91

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	**No File Uploaded**

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

- **Name of ILMS software - AutoLib- Integrated Library Management software with Web-based Software**
- **Nature of automation (fully or partially) - Fully**
- **Version – Web-Based**
- **Year of Automation - 2003**
- **Initiated NDLI club to encourage Learning – oriented events**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	**Nil**

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources	**A. Any 4 or more of the above**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

10.77

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

186

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

The open working environment facilitates the smooth functioning of the centre with an effective utilization of computing resources. The Computer centre has state-of-the-art Servers, printers, and licensed application software.

The Centre provides system administration and technical support which include Software installation, Network monitoring , Internet connection and digital library, etc.

The computer centre has High-end computers including Apple, Dell, and HP. The Computer software has been updated and systems are purchased frequently to strengthen the learning atmosphere of students.

The Centre has a 500 Mbps dedicated Internet link. Aninstitutional-wide fibre-optic network and wireless that connects all the academic departments, hostels, library, and other central facilities to the Computer Centre. The centre also maintains Audio Visual, Video conferencing facilities in the Board Room, Auditorium, and all the Seminar Halls.

A team of technical staff in the Computer centre developed and implemented Campus Performance Tracker (CPT) software is being used by the college faculty members and staff for the various applications needed in the college.

All the classrooms are enabled with Wi-Fi facilities in the campus.

Due to the pandemic, physical access to the lab was restricted and hence IT facilities were maintained as it was in the previous year.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3003	1180

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. ?50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	B. Any three of the above

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	http://rmkec.ac.in/cel/uploads/econtent_facility.mp4
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

1145.13

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

Routine services and maintenance are ensured in the laboratories. Concerned persons wipe down the exterior of all equipment each day and additionally, proper calibration is maintained to guarantee the accuracy and lab safety.

Routine preventive maintenance includes cleaning, polishing, recoating, floor sealing, and repairing damaged areas are monitored periodically throughout the Institution. A good experience marker and gardener are employed to make the ground marking and to look afterthe vicinity of grounds.

Computers are maintained through regular cleanings, hard drive updates, and virus prevention.Removal of dust from the computer using a combination of compressed air, a low-air-flow ESD vacuum cleaner, and a small lint-free cloth is carried over every day. Review and install the appropriate security software, and driver updates are maintained regularly. Regular replacement of worn out parts of systems are done.

Maintenance of library material involves kinds of stacking, shelf

arrangement, cleaning, shelving, stock verification, and weeding of unwanted material. The binding of documents are regularly done to ensure its long life.

During pandemic, physical access to the library has been restricted however online accessibility (NDLI/IEEE) has been encouraged. The entire campus have been renovated in the last year to strengthen our maintenance policy

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

833

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

487

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students'	A. All of the above

capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

File Description	Documents
Link to Institutional website	http://rmkec.ac.in/cel/showdeptclubs.php?dept=sh
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

796

File Description	Documents
Any additional information	**No File Uploaded**
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees	**A. All of the above**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

491

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	**No File Uploaded**

5.2.2 - Number of outgoing students progressing to higher education

90

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	**No File Uploaded**

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

31

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

0

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Class Committee: Class Committee is constituted at the beginning of every semester with representatives from the girls, boys, day scholars, and hostel students in every class. The students discuss and give suggestions /feedback related to problems, improvements, and difficulties faced in the theory subjects or laboratory classes to the HoD/faculty/Academic Coordinator.

Department Advisory Committee(DAC): All the departments have constituted the DAC where student representatives join the discussion on the review of activities of every semester and the action plan for the next semester.

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

Cultural and Sports Committee: All the departments have constituted a Cultural and sports committee at the beginning of every academic year with representatives from the boys and girls. Students are also actively involved in organizing the various events in the annual national-level technical symposia and are also members of the Department Associations, Tech Clubs, Hostel Committees, Entrepreneur Cell, Institution's Innovation Council,

an anti-ragging committee.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drive.google.com/file/d/1Xcz5UMKKGsiJcVLhJawxLmUS4MM1wBCx/view?usp=sharing

5.3.3 - Number of sports and cultural events / competitions organised by the institution

02

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

RMKEC Alumni Association meetings are conducted twice a year, one on the graduation day at the college premises and another at Hotel Jayapushpam during November. A "Distinguished Alumnus Award" is institutionalized to recognize the contributions and achievements of the alumni members."RMKEC Alumni Association Best Project award" is awarded for the final year students of all the departments since 2011. "RMKEC Alumni Achiever Award" is awarded to the alumni for their exemplary contribution to the institution. Alumni contribute their precious time to the campus by conducting Guest Lectures, Workshops, mock interviews, and Webinars for the students.

There is an alumni placement cell to guide the alumni who are yet to be placed to get better placement and also an alumni higher studies cell to guide the students for higher studies. An alumni project cell guides the students studying in the current academic year to do innovative projects. Alumni since 1999 passed out are connected through campus interaction portal. 14 hiring companies are members of this wide network to provide job opportunities

through "Placement Lateral Hiring" for yet to be placed students

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://rmkalumni.org/

5.4.2 - Alumni's financial contribution during the year	E. <2 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

- Our Institution is highly committed to create competent and skilled professionals who can cater intellectually and technologically changing environments by imparting high quality value based technical education and training.

- The Institution has a well-marked administrative set up by conforming to the norms of the AICTE. The Principal under the guidance of the Governing Council heads the Institution and provides academic and administrative leadership of the institution.Our institution is well reputed with extraordinary characteristics like eminent and stable faculty, consistent up gradation of lab equipment, large number of books and online e- journals subscriptions, special efforts to develop communication skills and research ability of the students. Our institution aims in delivering engineering education through an effective teaching learning process to compete with global standards.

For the smooth functioning of academic and administrative activities various committees like Planning and Monitoring Board, Anti- Ragging Committee, Anti- Ragging Squad, Grievances and Redressal Committee, Internal Complaints Committee, Discipline and Welfare Committee, Board of Studies, Academic Council, Research Board, Finance committee, Result passing board, Malpractice

committee, Student Induction Program Cell, Club in-charges committee etc., have been formed. Principal conducts regular meetings with all the committees to discuss and review the academic and administrative activities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	http://rmkec.ac.in/cel/showvisionmission.php

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The two most important instances of decentralization and participative management during the last year is explained below:

1. The Management conducts regular meetings with the Principal. All the decisions related to the institution are taken by the Principal and conducts meetings with the Heads of Department for the effective and smooth functioning of the institution. The Heads of the Department ensures to conduct meetings with Year Coordinators/ Branch Coordinators. The Year Coordinators are responsible to conduct meetings with Counsellors. The Counsellors in turn develop a cordial rapport with the students, and have a follow up of all academic activities of the students and instil them to participate in various club activities and competitions.

2. Our institution is well organized in practicing the effective counselling system. Each faculty is a counsellor and is provided with 20 students. The counsellors ensure the students to actively participate in all the academic activities.

The Principal, Academic coordinator, HODs, Dean Academics, Year Coordinators and faculty members are involved in defining the policies and procedures, making guidelines, regulations pertaining to admission, discipline, grievance, counselling, training & placement.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://drive.google.com/file/d/1PByQ4erRZ 7b4UxtAHcfTQlwPvs8k0FgR/view?usp=sharing

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Industry Interaction / Collaboration:

Interaction with the industry helps in building a strong support system for the development of the Institution through creating job opportunities for students. 15 Centres of Excellence Laboratories are established in Collaboration with various top MNCs.

Technical Club:

- To enhance the project-based learning, formation of technical clubs, miniprojects has been implemented in building a strategy and it is designed to accomplish the vision of the institution. It determines the future course of action in challenging, attainable, specific, measurable, time bound and relevant ways in developing the student to excel in their innovative ideas and creativity.
- The initial stage of the technical club is to ensure that each team is segregated with 5 members. After identifying the topic the team leaders introduce the topic for their project. Regular meetings are conducted and documented as a follow up for the projects.

1. Name list of the group with team leaders collected via Google sheets
2. Literature survey for their projects
3. Submission of Abstract
4. Methodology or Blue print of the project
5. Requirements for the proceedings of the projects
6. Budget Preparation
7. Processing the project, documentation of the project
8. Output or the Final Result.

9. **Publishing the papers in Reputed Scopus indexed Journals, WOS etc.,**

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://rmkec.ac.in/cel/showaboutus.php?dept=coe
Upload any additional information	View File

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

The Institution has a well-marked administrative set up conforming to the norms of the AICTE. The Institution is headed by the Principal under the guidance of the Governing Council. The Principal provides academic and administrative leadership of the Institute. Under Principal, various functionaries are managing the Institution : Dean – Academics, Dean – Research, Academic Coordinator, Heads of Department, Head- Corporate Affairs and Placement, Head- Computer Centre, Controller of Examinations, Deputy Controller of Examinations, Assistant Controller of Examinations, ISO-Management Representative, Board of Studies members, Research domains, All the Club Coordinators, Student Induction Program coordinators and members, Universal Human Values (UHV) Coordinator and its members ,Administrative Officer, Chief Accounts Officer, Librarian, Physical Education Director, Hostel Warden, Transport in-charge, Estate officer etc.

The service rules for staff working in the Institution are given in detail in the Service Rules document and made available to the faculty.

File Description	Documents
Paste link to Organogram on the institution webpage	https://drive.google.com/file/d/1jMjPs7I4SPm58sj5pp2ZYKCDuOZm1Df5/view?usp=sharing
Upload any additional information	View File
Paste link for additional Information	**Nil**

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination	**A. All of the above**

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	**No File Uploaded**

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development such as:

- **Free Transport and Food for all the staff members**
- **Maternity Leave for Women Faculty**
- **Employee Provident Fund (EPF)**
- **Gratuity - (for all the staff members with more than 5 years of service in RMKEC)**
- **Fee Concession forwards of Employees admitted in School / College of RMK Group of Institutions**
- **Staff Quarters / Residential tutors with monetary benefit FinancialAssistance to organize/attendconferences/workshops/seminars/ paperpublications etc.**
- **In-Campus clinic with a male and female doctor with 24 x 7 Ambulance facilities. Also has support from Billroth Hospital, Chennai for any emergency.**
- **ATM facility**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://rmkec.ac.in/cel/showhospital.php

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

0

File Description	Documents
Upload any additional information	**No File Uploaded**
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

23

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

138

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

- **Before the beginning of every financial year, budget**

- proposals will be collected from HoDs', Library, Physical education department, administrative office, Accounts section, Catering section, Transport department, Stores section, Computer Centre, etc., for the preparation of Institution budget.

- Management takes care of fulfilling all the requirements of the Institution in every financial year and a sufficient budget is allotted for utilization.

- The Institution conducts financial audits regularly. The audited account statements of the Institution are displayed in the Institution's website. The audit was conducted from 16th to 20th August 2020 and the audited statement was furnished on 13th September 2021.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://rmkec.ac.in/cel/showbudget.php

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

01

File Description	Documents
Annual statements of accounts	[View File](#)
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	[View File](#)
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Our college is a self-financing private engineering college, the management is well aware of the financial implications; sources to meet the financial aspects are the tuition fees paid by the students and the contribution by the management.

- **At the beginning of every financial year, budget proposals are collected from HoDs', Library, Physical Education Department, administrative office, Accounts section, Catering section, Transport department, Stores section, Computer Centre, etc., for the preparation of Institution budget.**

- **Department budgets are prepared by the faculty members (Laboratory in charge, coordinators of various department activities). The allocation & adequacy of the budget are discussed in the department staff meeting and are approved by the HoD and the same is submitted to the Principal for approval. The principal compiles and scrutinizes the budget proposals in the HoDs' meeting and submits the same to the Governing Council and the management for approval. The budget sanctioned is always as requested by the Departments.**

Funds received through Industry sponsorship, MODROBS schemes, etc., are utilized for the up-gradation of the respective laboratories.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://rmkec.ac.in/cel/showbudget.php

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

EDWISELY APP & PRAGATI APP

Students 'participation in Edwisely App helps them conceptually to understand their subjects. The login credential is accessed for all the students to actively take up the MCQ tests in Edwisely App. It also promotes students' unit-wise and topic-wise analysis of their understanding and learning. Further, it enhances the faculty to monitor the students' performance and update the status of each assessment, and exhibits the overall competency of the student.

Pragati App is another platform for the student's basic

information. All the mark statements starting from the first year till the final year are updated. After every assessment, the counselor reports the overall performance of the students and suggests their improvement.

ESTABLISHMENT OF RESEARCH DOMAINS:

Our institution has established various research domain groups in each department. The research domain groups have a major contribution in their domain and the faculty can easily choose their area of specialization for their research work. A periodic review of research activities is being conducted and each domain co-coordinator can review their research activities. In this process, the faculty can undergo their research work with much understanding and also involve themselves in the research activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drive.google.com/file/d/1ciOqT6ODednBAFeTW0qwrhvQXoPG83_f/view?usp=sharing

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

IQAC is effectively working to promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

New initiatives are implemented to review the planning and delivery of teaching, learning process, structures & methodologies of operations and learning outcomes, etc.

The following are:

- Virtual teaching-learning practice through google meet, zoom has been introduced in June 2020.
- Also, interdisciplinary project proposals were initiated in the Minutes of Meeting of research domains.
- Implementation of digital content for all the courses.
- Initiation of virtual tour

- Periodic ISO External audit was conducted on 29.12.2020.

- **Technical Project reviews are conducted for the 1st Year students in the academic year 2020-2021. The best three projects are selected and reviewed by eminent Professors from our Institution and the students were appreciated and acknowledged for their contributions. These instill great motivation and encouragement in our student community to attain their goals and objectives to touch the horizon.**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://rmkec.ac.in/cel/showigacmeeting.php?dept=iqac

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)	**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	http://rmkec.ac.in/cel/showigacmeeting.php?dept=iqac
Upload e-copies of accreditations and certification	[View File](#)
Upload details of quality assurance initiatives of the institution	[View File](#)
Upload any additional information	**No File Uploaded**

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

R.M.K. Engineering College sensitizes students from day one for the need of gender equity through providing equal opportunities to all the students in every activity conducted on the campus. There is no discrimination at any point of timefor any activity.

Facilities:

1. Separate mess and kitchen inside the girls' hostels.

2. Separate Sports facility, Gymnasium, and Beauty salons.

3. Napkin incinerator / Napkin vending machines

4. Separate stores are provided in the girls' hostel.

5. Placement / Training/career counseling activities are common to all students.

6. Girls common rooms in SN block.

7. 24X7 ambulance facility.

8. Full-time physician availability.

9. Total student strength - 3003

No. of Boys-2038, Percentage of Boys - 67.87%

No. of Girls- 965, Percentage of Girls - 32.13%

Gender equity programs:

1. Gender champions are identified to conduct gender equity activities periodically.

2. Conducted a virtual program on "Women's Electoral Responsibilities in Society" on behalf of International Women's Day on 8.3.2021.

3. Gender equity sensitization is a part of Student Induction Program.

4. The Internal Complaints Committee (Sexual Harassment of Women at a workplace) is constituted as per the AICTE Regulations with HoDs as members to oversee the women's welfare and to review any

complaints.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	http://rmkec.ac.in/cel/show_commite_internalcomplaints.php

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	**A. Any 4 or All of the above**

File Description	Documents
Geotagged Photographs	[View File](#)
Any other relevant information	[View File](#)

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Solid waste Management: The institution has implemented Two – Bin systems in all the buildings, one for collecting degradable waste and the other for non-degradable waste. The institution provides food for all the students and faculty members- breakfast, tea and snacks, lunch and dinner for hostel residents. This leads to enormous amount of food and vegetable waste. In addition, other solid wastes include paper, cardboard, garden debris, etc. The waste is collected and is transported to the sanitary landfill site of the institution every day. The composted waste is used for gardening and agriculture.

Liquid waste management: A high technology sewage water treatment plant treats the sewage water. Around 10 lakh litres/day of treated water is produced and used for gardening , vehicle cleaning etc.,

E-Waste Management: E-Waste is collected and it is properly disposed in an environmentally responsible manner by VIROGREEN Pvt. Ltd., Chennai.

Paper waste management: Paper Waste is collected and properly

disposed in an environmentally responsible manner by
Venkatachalapathy Paper Mills Pvt. Ltd. Chennai.

Hazardouschemicals: Chemicals used in chemistry laboratories are
dilute acids. obviously, the chemicals are safe and not hazardous.

Radioactive waste and biomedical wastes: not applicable to the
campus.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. **Green audit** 2. **Energy audit** 3. **Environment audit** 4. **Clean and green campus recognitions/awards** 5. **Beyond the campus environmental promotional activities**	**B. Any 3 of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	**No File Uploaded**
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance,	**A. Any 4 or all of the above**

reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

Various initiatives are taken by the Institution for promoting tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic, and other diversities to emphasize harmony and tolerance.

Sharing of greetings for the celebration of festivals like Pongal, Christmas, Ramadan, Vijayadasami, Ayudha Pooja, Diwali, and commemorative days like International Women's Day, Mother's day, Labour day through social media is executed.

The institution has a code of ethics for students and a separate code of ethics for teachers and other employees which has to be followed irrespective of their cultural, regional, linguistic, communal, socio-economic and other diversities.

Environmental Science and Universal Human Value courses are incorporated during their degree program.

Various articles are collected from students and faculties for the college magazine in different languages like Tamil, Telugu, English and Hindi. Japanese Language Certification Training is offered through the Centre for Foreign Languages for the students.

The college celebrates various functions like:

- **Inaugural function for the first-year students.**
- **Annual and Sports Day celebrations.**
- **All Department Functions.**

- Ethos of the college, guidelines for the betterment in the academics are printed as "Chronicle" and distributed to all the parents and students in Telugu, Tamil and English.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View File](#)

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

Combating Pandemic:

A National Webinar on "Covid 19: Yesterday, Today, Tomorrow" was organized by the Department of Science and Humanities on 14thJune 2020 at 11:30 a.m. Padmashree Dr. T. V. Devarajan, Apollo Hospitals delivered a speech about Covid 19 and its impact.

Student Induction Program :

To create a hostile environment for learning, to adapt to new environments, to have a smooth transition period from school to college level, and to have bonding with peers, faculty and college.

UHV:

Under the SIP activity, Universal Human value is also imparted for the development of a holistic perspective based on self-exploration. Yoga:

Yoga is a spiritual, mental, and physical practice to maintain a sound body and a sound mind. Regular yoga practice is given to the students.

Sustainable Development Goals :

As an initiative to make students become agents of change, driving innovation and solutions for the new generation, various club events were organised.

Likewise World Environment Day ,World Innovationday,National Voters' day andConstitution Day were organised

National Calamity Funding:

R.M.K. Engineering College has donated Rs 1.08 crores to the Chief Minister's Public Relief Fund towards the state to fight against COVID-19.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	**No File Uploaded**

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized	**A. All of the above**

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The institution is happy to celebrate /organize national and international commemorative days, events and festivals since its inception in a grand manner.

The list of festivals celebrated includes Pongal, Christmas, Ramzan, Vijayadasami, Ayudha Pooja, Diwali, Independence day, Tamil New year, and Ugadi. Commemorative days such as International Women's Day, Mother's day, Teacher's day, Engineer's Day, Labour Day, Gandhi Jayanthi is celebrated by sending wishes through social media such as Facebook, Instagram, Twitter, WhatsApp, etc. The principal posts the wish messages offered by the Chairman of the management and the Heads of each Department will forward through circulars through mail and post in the Department web pages. All the students and faculty share those messages.

National Voters' day was observed on 25-01-21, an online program was conducted for the First-year students who gave speeches on the following topics.

1. Importance of Voting

2.Constitutionof India and

3. Organisational structure of our administration (State level & Central Level)

- APJ Abdul Kalam's fifth commemorative day was celebrated on 27-07-2020 and Constitution Day was celebrated on 26-11-20.
- Jan Aushadhi Diwas week 2021 was celebrated in the First week of March 2021.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Institution Best Practices:

- Subject-wise mini projects

- **Technical Project**
- **Vacation mini project**
- **Industry collaboration to enhance employability skills**
- **Club activities etc.,**

http://rmkec.ac.in/cel/uploads/7.2-BestPractices-2020-21.pdf

File Description	Documents
Best practices in the Institutional website	http://rmkec.ac.in/cel/uploads/7.2-BestPractices-2020-21.pdf
Any other relevant information	**Nil**

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Upgraded the status quo

R.M.K Engineering college was conferred autonomous status during the year 2020-21, the curriculum underwent a major facelift and the redesigning was done to ensure high-quality employability skills among the budding engineers. The institution elevated itself to follow a Research-based curriculum. High-quality digital content is designed by the faculty members.

AI-Powered Learning Campus:

Edwisely is a web cum mobile application introduced effectively to train the students in answering objective type MCQ questions and to train them in coding skills. This attempt is done every day by allotting each subject to help the students to acquire higher levels of understanding following Bloom's Taxonomy.

- **Faculty can upload the digital content, lecture plan, lecture notes, etc for the effective learning of students.**
- **Faculty can conduct objective or subjective tests through the platform.**
- **Analysis of the assessments can be done under various categories namely topic wise, section wise, question wise and based on Bloom's Taxonomy.**
- **Online feedback can be collected from students regarding all the activities.**

- **Coding assessments are scheduled to improve the coding skills.**

- **Examly platform is used to conduct online Descriptive end Semester Examination and evaluation. Smartpick is used for Question Paper Generation, PRAGATI APP used for students counselling.**

File Description	Documents
Appropriate link in the institutional website	http://rmkec.ac.in/cel/uploads/7.3-InstitutionalDistictiveness-2020-21.pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Academic expansion

1. To introduce new UG program in the emerging technology - Computer Science and Design.

2. To introduce AI Powered Learning Platform RMK Nextgen.

Academic Excellence

1. To integrate digital learning practices into the regular curriculum.

2. To integrate activity based Teaching-learning practices.

3. To achieve more than 85 pass percentage in each subject and an overall pass percentage of above 80.

R& D

1. To file for more number of patents

2. To publish quality research papers in high impact factor SCI, Scopus and Wos journals, minimum two publications per faculty member in a year.

3. To submit innovative project proposals for funding