



YEARLY STATUS REPORT - 2021-2022

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.	04467906792
• 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	Gummidipoondi
• State/UT	Tamil Nadu
• Pin Code	601206
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	15/07/2020
• Type of Institution	Co-education
• Location	Rural

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr.S.Vijayalakshmi				
• Phone No.	04467906640				
• Mobile No:	9962486938				
• IQAC e-mail ID	iqac.nacc@rmkec.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.rmkec.ac.in/2023/wp-content/uploads/2022/12/AQAR-2020-21-2.pdf				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.rmkec.ac.in/2023/wp-content/uploads/2023/08/Academic-Calendar-and-Schedule-2021-2022.pdf				
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, Civil Engineering, Mr.S.Aravind	Student Project Scheme	TNSCST	11/03/2022	7500
R.M.K. Engineering College, Mechanical Engineering, Mr.R.L.Sankaral	Student Project Scheme	TNSCST	11/03/2022	7500
R.M.K. Engineering College, Electronics and communication Engineering Dr. V. Sumitra	BDTD	DST	03/03/2022	32,09,214
R.M.K. Engineering College, Science and Humanities, Dr.M.Meena	UBA	Centre For Rural Development And Technology	07/04/2022	1,00,000
R.M.K. Engineering College, Science and Humanities Dr. S.D.Uma Mageswari	UBA	Centre For Rural Development And Technology	12/04/2022	1,00,000
R.M.K. Engineering College,	Grant for Organizing Conference	AICTE	02/02/2022	3,00,000

Electronics and communicatio n Engineering Dr.T.V.Padma vathy				
R.M.K. Engineering College, Electronics and communicatio n Engineering Dr.T.Suresh	ATAL FDP	AICTE	07/06/2021	93,000
R.M.K. Engineering College, Electronics and communicatio n Engineering Dr.S.Mahaboo b Basha	SAMRIDHI	AICTE	29/07/2021	25,000
R.M.K. Engineering College, Electronics and communicatio n Engineering Ms.P.Anusha	SAMRIDHI	AICTE	29/07/2021	18,000
R.M.K. Engineering College, Electronics and communicatio n Engineering	SAMRIDHI	AICTE	29/07/2021	22,000

Mr. P. Gunasekhar				
R.M.K. Engineering College, Electronics and communication Engineering Dr. V. Sumitra	ISTE Refresher Program	AICTE	21/09/2021	93,000
R.M.K. Engineering College, Mechanical Engineering Mr.K.Muralidharan	YUVAK	AICTE	06/10/2021	1,00,000

8. Provide details regarding the composition of the IQAC:

<ul style="list-style-type: none"> Upload the latest notification regarding the composition of the IQAC by the HEI 	View File	
9.No. of IQAC meetings held during the year	3	
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> If yes, mention the amount 		
11. Significant contributions made by IQAC during the current year (maximum five bullets)		

Mentoring other Institutions for NAAC & NBA Accreditation.

2nd position under Private Colleges / Institute Category in the ARIIA 2021 Ranking by MHRD, Govt. of India.

Initiative to improve the salary package of students by bringing more product-based companies.

Initiative to undergo transition from ISO 9001:2015 to ISO 21001:2018 (EOMS).

Initiative to introduce multiple verticals with flexibility to choose Honors and Interdisciplinary Minor Degree Programmes.

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 154th Position (Engineering Category out of the 200 Institutions including IITs and NITs) in the NIRF India Rankings 2022 released by Honourable President of India
To Improve Research Culture	Received Anna University research centre approval for Mechanical Engineering and Civil Engineering departments. CSD, AD, CSBS and IT departments have also applied for the Anna University research centre recognition. Awaiting inspection.
To offer Industry supported Courses	Various Industries like TCS, Cognizent , Virtusa , LTI Mindtree, TATA ELXSI, HCL and NTT data are associated with R.M.K. Engineering college as knowledge partners. (a) In Framing Curriculum and Syllabus (b) Importing training to students in latest technologies through guest lectures
To Improve` Project based learning Culture	Product Development Laboratory has been introduced in Curriculum 2022.
13.Was the AQAR placed before the statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	
Name of the statutory body	Date of meeting(s)
Governing Council	25/04/2023
14.Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
2021-2022	28/02/2023

15. Multidisciplinary / interdisciplinary

Vision of the Institution is • 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. • 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 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).

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 in turn 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, IET. 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)

Appropriate integration of Indian Knowledge system: 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: (i) 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 than 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 13

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 2992

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 775

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 2992

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

3.1 352

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 284

Number of full-time teachers during the year:

Extended Profile

1. Programme

1.1 13

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1 2992

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 775

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 2992

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

3.1 352

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	284
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	284
Number of sanctioned posts for the year:	
4.Institution	
4.1	278
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	94
Total number of Classrooms and Seminar halls	
4.3	1120
Total number of computers on campus for academic purposes	
4.4	2432.70
Total expenditure, excluding salary, during the year (INR in Lakhs):	

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.

Being an autonomous institution, each department is empowered to revise the curricula and syllabi based on the need of the industry and society. The institution has various recruiters from local, national and multinational industries. The BoS of each department has external members from various industries and reputed universities apart from internal members (faculty) of each Department. The curricula and syllabi are revised, formulated and

discussed at length among the Department faculty and then presented to the BoS Members. The curricula and syllabi are fine-tuned based on the inputs given by the external members and are submitted to the academic council for approval and the final approved curricula and syllabi are implemented.

The assessments are conducted through a structured Question paper, and their results reflect on the student's ability to remember and apply course content and related knowledge. The end semester examination also is conducted as per Anna university guidelines. Courses related to emerging technologies like Artificial Intelligence, Cloud Computing, Machine Learning, Data Science, Data Analytics etc., are included in the curriculum.

All the attributes mentioned in POs and PSOs are completely addressed by the curriculum since we incorporate the inputs from industry also.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://www.rmkec.ac.in/2023/academics/curriculum-and-syllabus/

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

13

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

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

184

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	View File

1.2 - Academic Flexibility

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

49

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
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

13

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
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 college strives to be a leader among all educational

institutions in achieving environmental excellence and is committed to developing green thinking and green practices in 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 -II - Mandatory
- Environmental science and engineering - Mandatory
- Indian Constitution - Elective
- Essence of Indian Traditional Knowledge - Elective
- Professional Ethics - Elective
- Total quality Management - Elective
- Principles of Management - Elective
- Student Induction Program - Mandatory

In Addition, we are also having,

- ECO Club
- National Service Scheme
- Youth Red Cross
- Unnat Bharath Abhiyan Activities

Faculty makes students aware of the basic components of the environment and their application in various fields through the subjects of Universal Human Values & Environment science and Engineering in the first and second years. Tree plantation, seed ball preparation, seminars, and paper presentation competitions are conducted as a part of environmental science subject.

Moral and ethical values, Anti ragging, gender equality and Human values are educated to students through some of the courses like Professional ethics, Principles of Management and Total quality Management. Our teachers put their best efforts to groom students and make them responsible citizen.

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	View File

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

17

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

2933

File Description	Documents
List of students enrolled	View File
Any additional information	View File

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

2205

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	https://www.rmkec.ac.in/2023/feedback/
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	https://www.rmkec.ac.in/2023/feedback/
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	
804	
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)	
278	

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.

At RMKEC, we believe and emphasize an outcome-based approach to teaching and learning in which students are categorized as slow and advanced learners based on their performance in continuous assessment tests, in-class participation, laboratory exercises and final examinations.

All kinds of assistance and supports are made available to students through a mentor-mentee system.

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.

Advanced learners:

High performing students are motivated by Counselor, Year Coordinator and the HoD to achieve academic excellence.

Highly performing students are identified through RHP selection process and training Program offered to RHP students.

Trainings and Practice Test on programming skills is given to all the students using skillrack platform. RMKNextGen - an AI-enabled tool is used to conduct online objective tests then predict and evaluate their progress of the study.

Digital Course Material, Lecture slides and Videos prepared by the subject handling faculty are made available to all the students.

Centre of Excellence (CoE) laboratories are established in all the departments to enhance student industry interactions in terms of knowledge transfer and to improve the placements.

The students are also motivated to participate in corporate contests.

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
01/08/2021	2992	284

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:

RMKEC employs a pedagogy that focuses on the needs of the individual student. This approach not only helps students gain confidence and encourages independence, but it also helps them move from a position of passive to active recipients. The staff makes it possible for each student to learn at his or her own pace by encouraging participation in class activities.

Some of the best practices we follow in our Institution and Student centric methods are as follows:

Experiential learning:

The laboratory approach is in practice for various courses to help students to learn the concepts and by allowing them to carry out experiments on their own/ with the guidance of faculty members.

Industrial Visits

Guest Lectures

Mini Project and Project works

Participated Learning

Role play

Team work

Debates

Participation in corporate level competitions

Problem solving Methodology

Case studies

Discussion

Quizzes

Student Seminars

Student seminars are held, in which students present papers on relevant topics is an effort to broaden and deepen their education.

Summer Internship Program:

Summer internships are valuable experiences that allow students to gain practical skills, explore potential career paths, and make connections within their chosen field. They are often considered as a stepping stone towards professional growth and can significantly enhance their resume or curriculum vitae.

Also students are motivated to take up online courses through NPTEL, Coursera, Edx etc.,

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://rmkec.ac.in/2023/wp-content/uploads/AQAR/2.3.1_Additional_Information_Upload.pdf

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

As our Institution 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, smartboards with audio, visual devices are used.

Wi-Fi enabled class rooms with smart board are available in all the departments.

RMKNextGen - an AI-enabled tool is used to conduct online objective tests then predict and evaluate students progress of the study.

Skill Rack Platform :

Trainings and Practice Test on programming skills is given to all the students using skillrack platform.

Digital course materials:

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

Online quiz:

Online quizzes are conducted which assess students' knowledge and understanding of key concepts, promote active learning, and provide valuable feedback to enhance their learning experience.

Online competitions:

Students are motivated to participate in online competitions which allows students to stay updated on the latest trends and developments in the field of education, gain recognition for their

area of expert, and connect with a broader community of students.

Students are motivated to take up online courses through NPTEL, Coursera, Edx etc.,

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://rmkec.ac.in/2023/wp-content/uploads/AOAR/2.3.2 ICT Tools (Upload) Website Link.pdf
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

167

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 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**

- 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****284**

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**110**

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	No File Uploaded

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

2268

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

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

Assignments, Unit Tests, Internal Assessments, Revision Tests and Model exams are conducted every semester, for the continuous

assessment of students learning process.

COE prepares the exam schedule as per the academic calendar. It is circulated to the department through mail after approval from the principal.

Question Paper Setting:

The subject coordinator who is one of the subject experts set the question bank as per the pattern and send mail to COE.

Smart Pick application software is developed by COE RMKEC and is used for generating the question papers for conducting the assessment tests. A question bank containing all possible questions is prepared by each subject handling faculty and it is submitted to the office of the controller of examinations for generating the question paper. Smart Pick application software generates the question paper and also maps each question with the respective knowledge level as well as the course outcome.

RMKNextGen - an AI-enabled tool is used to conduct online objective tests then predict and evaluate students progress of the study.

Evaluation of answer scripts:

The Examly is an AI-powered assessment tool used for the conduct of End semester theory examinations and valuation.

Double valuation is adopted for all the theory courses to overcome any subjectivity in single valuation in the end semester examinations.

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 framed and displayed on the

institution website.

The Institution uses the following system to disseminate this information to faculty and students.

- The institution provides soft copy of the syllabi to all the students and faculty members which includes CO and POs.
- Course Objectives (CO) are communicated to students by each subject handling faculty at the beginning of each semester.
- CO and POs are also printed in the laboratory record and observation books.
- At the beginning of each year/semester, students participate in an induction/orientation program where the learning outcomes of the semester's courses are explained.
- Teachers are also made aware of the significance of the learning outcomes through staff meetings and the IQAC meeting.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	Nil

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

The Institute has established a system for tracking student progress towards COs, POs and PSOs.

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, 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 assessments and End Semester examinations.

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

775

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	https://rmkec.ac.in/2023/wp-content/uploads/AQAR/2.6.3_Annual_Report.pdf

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

<https://www.rmkec.ac.in/2023/wp-content/uploads/2023/07/SSS-2021-22-Year.pdf>

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 main goal of Research and Development (R&D) cell is to create a conducive ambience for research culture. R&D cell works towards creating a conducive environment for promotion of research activities in the institute. The R&D cell encourages faculty members to submit funded project proposals, major and minor research grants to the state besides central funding agencies, encourages faculty members to promote collaborative research, and also strengthens industry-institute interaction by promoting consultancy activities in the institute. The cell fixes target to publications, filing patents, consultancy projects, funded project proposal preparation and submission for every year. The cell encourages students and faculty members for filing patents and obtaining intellectual property (patents and copyrights) for their prototype or process. The cell also motivates the faculty with Doctorate to get Supervisor recognition from Anna University. It also motivates the faculty to publish books on recent trends and topics. Review meetings are conducted once in a month to ensure that each department is having steady progress with regard to the target given. Apart from this it also conducts one meeting per month where research scholars and domain experts give presentation about the latest developments in their area of expertise, this helps in encouraging interdisciplinary project culture

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	https://www.rmkec.ac.in/2023/wp-content/uploads/2023/03/New-research-promotion-policy-16.3.2023.pdf
Any additional information	View File

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)**6.368**

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	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year**0**

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	No File Uploaded
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)****41.75**

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	View File

3.2.2 - Number of teachers having research projects during the year

14

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.rmkec.ac.in/2023/aqar2021-22-3-2-2/
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

24

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

6

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.rmkec.ac.in/2023/aqar2021-22-3-2-4/
Any additional information	View File

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)

To create a vibrant innovation and start-up ecosystem at 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:

- ARIIA Ranking 2022 Band A (Rank 2) across the country by MHRD, Government of India.
- Smart India Hackathon 2022 Team Technosoft of IT won First Place in SIH 2022 Software Edition with a cash prize of Rs 1,00,000/-
- Smart India Hackathon 2022 Team Techsparks of IT won First Place in SIH 2022 Software Edition with a cash prize of Rs 1,00,000/-
- Smart India Hackathon 2022 Team Kalam Firebird of EIE won First Place in SIH 2022 Software Edition with a cash prize of Rs 1,00,000/-

- Ranked 38th across India under the Institution of Academic Excellence category in OBE Ranking 2021

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://rmkec.ac.in/2023/wp-content/uploads/AOAR/IIC Annual Report 2022.pdf

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

23

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

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

B. Any 3 of the above

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	View File

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	
11	
File Description	Documents
URL to the research page on HEI website	https://www.rmkec.ac.in/2023/academics/research/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File
3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year	
132	
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	
11	
File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://rmkec.ac.in/2023/wp-content/uploads/AQAR/add1_3.4.4.pdf
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	
4630	

File Description	Documents
Any additional information	View File
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

56

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

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

17.18

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

17.18

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	View File

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

RMKEC is an honored 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:

- Energy conservation day - awareness on energy saving at home
- Entrepreneurship development to self help groups - repair of home appliances
- Awareness on government schemes to public
- Demonstration of www.katralinimai.com website
- Entrepreneurship development to self help groups - repair of home appliances
- Display of safety measures and standard procedures
- Awareness camps-health and hygiene in schools
- Innovative pedagogies for government school teachers

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

60

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	View File

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)

20

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

1119

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**

1510

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

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)

12

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	View File

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 ample number of class rooms, tutorial rooms, department library with reading room facility, faculty rooms, department seminar halls, state of art laboratories with sophisticated equipments. All Classrooms are equipped with a LCD projector facility with LCD screen, notice board, display board and dust bin. In addition, Seminar Halls available with all facilities. Every department has an interactive white board with touch screen display connected to the internet.

The computer centre has a central facility, which provides computing support and internet services to the user community consisting of students, faculty, research staff and office staff for academic and administrative purposes. The centre supports an institute wide fiber optic network that connects all the academic departments, hostels, library and other central facilities to the computer centre. Internet access is provided through 1250 Mbps (Airtel 1000 Gbps and Tata 250 Mbps) dedicated internet link. The Computer centre has the state-of-the-art Servers, Printers, Licensed software and Open source software. It has a power back up through a 246 KVA UPS and 1105 KVA generator set.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rmkec.ac.in/2023/compcent/system-configuration/

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

The Institution has an excellent standard 400M Athletic track to facilitate Students to practice and participate in University, State and National level events. The Institution has a cricket ground, basket ball, ball badminton, volleyball, hockey, football, tennis & kabaddi courts. Indoor games such as table tennis, badminton, carrom, chess, etc., are also available for the students. Students are provided with sports facilities during planned timings for each class in the time table during regular class hours as well as after class hours in the evenings.

Massive Auditorium was constructed in the institution in the year 2001 with an built-up area of 1670 sq.m. with a seating capacity to accommodate 3000 Students for organizing cultural activities, games and Students meetings etc. The institution also houses an orchestra room with an built-up area of 80 sq.m.

The Institution is equipped with an air-conditioned gymnasium with state-of-the-art equipment for men which could accommodate 100 Students per session. Each session will be engaged by experienced trainers. The hydraulic gymnasium (Air Conditioned) is equipped with latest multiple machines including three thread-mills. A separate gymnasium for women is also annexed with the Girls hostel.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.rmkec.ac.in/2023/physical_education/achievements/

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

70

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)

2110.94

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 (Web Based) is in use.
- Year of Automation - 2003

The Central Library was established with a view to inculcate the habit of reading and research activity among students and faculty. The ultra-modern library facility includes a well-established fully air-conditioned library and information center. The library and the information center have separate reading and reference section to service the undergraduate and the post graduate students, faculty, staff and research scholars.

The library has subscriptions for the e-journal packages of IEEE (ASPP), IETE, IEI, DELNET and NDLI. The advisory committee for NDLI Club is formed with one student from each department as its member. All the students are members of NDLI Club with individual login ID. NDLI club is active in

encouraging 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)

11.60

File Description	Documents
Audited statements of accounts	View File
Any additional information	View File
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

277

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

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 smooth functioning of the centre and effective utilization computing resources. The Computer centre has the state-of-the-art Servers, printers and licensed application software.

The Centre provides system administration and technical support which include Software installation, Network monitoring (both wired & wireless), 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 have been purchased frequently to strengthen the learning atmosphere of students.

The Centre has a 1250 MBPS (Airtel 1000 MBPS and Tata 250 MBPS) dedicated Internet link. The Centre supports an institute wide fiber 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.

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
2992	1120

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 750 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

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

A. All four of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rmkec.ac.in/2023/wp-content/uploads/2022/12/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)

2432.7

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 or 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 accuracy and lab safety.
- Routine preventive maintenance which includes cleaning, polishing, recoating, floor sealing and repairing damaged areas are monitored for sports complex. The well experience marker and Gardner are employed to make the ground marking and Gardner look after in the vicinity of grounds.
- Computers are maintained through regular cleanings, hard drive updates, and virus prevention. Removed dust from the inside of a computer using a combination of compressed air, a low-air-flow ESD vacuum cleaner, and a small lint-free cloth. Review and install the appropriate security, software, and driver updates. Regular replacement of worn parts of systems.
- Maintenance of library material involves kinds of stacking, shelf arrangement, cleaning, shelving, stock verification and weeding of unwanted material. Binding of documents is regularly done to ensure its long life.
- College will normally work for 7 periods from 8.30 a.m. Students are required to be regular and punctual to the classes.
- All students should wear clean and appropriate dress. Gentleman should wear trousers with shirts neatly tucked in. Ladies should wear sarees or churidars. The library will keep open on all working day from 8.00 a.m. to 6.00 p.m.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rmkec.ac.in/2023/wp-content/uploads/2023/10/C-4.4.2-Procedures-and-Policies-RMKEC-2021-22.pdf

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

801

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

543

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

A. All of the above

File Description	Documents
Link to Institutional website	https://rmkec.ac.in/cel/showdeptclubs.php?dept=sh&year=2021
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

658

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted 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	
593	
File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
5.2.2 - Number of outgoing students progressing to higher education	
65	
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	
42	
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	
11	

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

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

RMKEC provides avenues to the students to showcase their potentials to plan and implement students-led initiatives, participate in various academic and administrative committees and councils for implementing innovative practices, social justice among the students. While giving opportunities in various councils and committees, conscious efforts are taken by the institute to inculcate the social responsibilities, gender sensitiveness and good citizenry through value education and thereby aims at holistic development of the individual students

All the departments have constituted a student's association at the beginning of every academic year with representatives from the boys and girls. Student association conduct various competitions and inter college symposia to nurture the skills set of students.

Students are also elected as class committee Representative in each class for every semester to enhance their leadership quality. The students discuss and give suggestions /feedback related to teaching, use of ICT tools in imparting knowledge and evaluation which plays important role in raising the standard of teaching learning process.

Internal Quality Assurance Cell (IQAC): IQAC 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.

Students are also members of Tech Clubs, Hostel Committees, Entrepreneur Cell, Institution's Innovation Council and anti-ragging committee.

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

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

41

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	View File

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

The RMKEC Alumni Association has been actively involved in a number of events, with an emphasis on the institution's vision and goal. The Alumni Association aspires to serve as a conduit and to foster better communication between students, management, faculty and alumni to raise the standard of services provided to students, which will ultimately benefit the society.

The Alumni Association also acts as a forum for exchange of information among its members, with objective of providing student guidance for higher studies and career development, with support from alumni. It also purposes to maintain a compendium of all alumni in order to establish, promote and support the local chapters of the association in different parts of the world.

In addition to the activities in the college campus, in a view to build the alumni network, alumni chapters function locally as well as globally. There are 3 local chapters functioning in Chennai, Bangalore, Pune and 6 global chapters in San Francisco, Los Angeles, Atlanta, Washington DC, New York, London.

The Alumni engage themselves in contributing to the college through various activities like delivering guest lectures, conducting Mock interviews, mentoring junior students and acting as Board of Studies members.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://rmkec.ac.in/2023/wp-content/uploads/AQAR/5.4.1_Mock_interview_by_Alumni.pdf

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

- RMKEC is highly dedicated in creating competent and skilled professionals by imparting high quality value based technical education and training.
- The institution has a proficient administrative team by meeting the requirements to the norms of the AICTE. The Principal under the direction of the Governing Council, heads the Institution and bequeaths with a protuberant academic and administrative leadership of the institution. Our institution is well equipped with extraordinary features like outstanding and stable faculty, reliable up-gradation of lab equipment, a large number of books and online e-journals subscriptions, special exertions to develop communication skills, and research ability of the students. Our institution aspires in delivering engineering education through an effective teaching-learning process to cope with global standards.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.rmkec.ac.in/2023/about-us-3/vision-mission/

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

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 departments and with the coordinators of various committees for the smooth functioning of academic and administrative activities. The Heads of the departments ensures to conduct meetings with the department faculty members. Year Coordinators and the Counsellors will have a follow up of all academic activities of the students and instils them to participate in various curricular, co-curricular and extra-curricular activities. The Principal, Deans, Academic coordinator, HODs, Year Coordinators and faculty members are involved in defining the procedures, making guidelines, discipline, grievance, counselling, training & placement activities etc.,

For the smooth functioning of academic and administrative activities various committees have been formed and faculty members plays a vital role as members of various committees. The principal conducts regular meetings to discuss and review the academic and administrative activities. Also faculty members act as Counsellors, Class advisors, Year Coordinators etc., for motivating and guiding the students.

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://www.rmkec.ac.in/2023/administratio n/committee/anti-ragging-committee/

6.2 - Strategy Development and Deployment

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

The institution has successfully started the formation of RMKEC Incubation Centre. All the students from the first year to final year and also faculty members were given an opportunity to participate and exhibit their creative ideas through these start-ups. It has become a need of an hour that the institution has to take some extraordinary steps in taking the students to a

different height. The students must be developed with all the cognitive levels of learning. It is one of the primary activities conducted by the institution to inculcate entrepreneurial skills among the students. The main objective of the start-up incubator is to help entrepreneurs grow their businesses. The management supports to a greater extent and paves a way to establish their own start-ups incubated in RMKEC incubation centre. It fosters innovation, research and entrepreneurial activities in various departments. The proprietor proceeds with the company details, GST Number and ensures about their zero defect products satisfying the customer's needs. These incubation centres are to encourage and support the establishment and growth of technology based start-ups, which can enable the students and faculty to innovate and prototype their potential ideas with industrial standards.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.rmkec.ac.in/2023/entrepreneurship/startups-in-rmkec-incubation-center/
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 setup compatible 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 Institution. 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://www.rmkec.ac.in/2023/wp-content/uploads/2023/07/6.2.2-Organizational-Chart-of-the-Institution.pdf
Upload any additional information	View File
Paste link for additional Information	https://www.rmkec.ac.in/2023/about-us-3/quality-policy/

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	View File

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 an effectual welfare measure for teaching and non-teaching staff and avenues for their career development such as:

Welfare measures

- Free Transport and Food for all the staff members.
- Maternity Leave for Women Faculty.
- Medical leave for all faculty members
- Employee Provident Fund (EPF).
- Gratuity - (for all the staff members with more than 5 years of service is RMKEC).

- Fee Concession for wards of Employees admitted in School / College of RMK Group of Institutions.
- Staff Quarters / Residential tutors with monetary benefit Financial
- 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.

Avenues for teaching and learning:

- Faculty members are encouraged to pursue Part time Ph.D.
- Faculty members are motivated to attend On line courses in MOOC -NPTEL
- Assistance to organize/attend conferences/workshops/seminars/ paper publications etc.
- Faculty members also attend PDPs in ATAL and pursue NITTTR Modules.
- The college provides Consultancy and Research monetary benefits for the Faculty.

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

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

7

File Description	Documents
Upload any additional information	View File
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

20

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

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.)

113

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

- 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.

- Management takes care of fulfilling all the requirements of the Institution in every financial year and an appropriate 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 financial audit for the year 2021-22 was held from 17.06.22 to 26.06.22.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.rmkec.ac.in/2023/wp-content/uploads/2022/06/Budget-2018-19-to-2021-22.pdf

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)

1.85

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 institution is a self-financing private engineering college, the management is well aware of the financial inferences; sources to meet the financial facets in which the tuition fees are paid by the students and the contributions offered 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.
- Budgets are prepared by the department faculty members (Laboratory in charge, coordinators of various department activities). The provision & competence of the budget are conferred in the department staff meeting are approved by the HoD and the same is submitted to the Principal for approval. The principal 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 entreated by the Departments.

• Over and above the planned budget, intermittent budget requirements for attending conferences, students' participation in competitions organized outside the colleges, unexpected special maintenance requirements submitted by the HoD through the Principal are also sanctioned by the management for utilization.

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	https://www.rmkec.ac.in/2023/wp-content/uploads/2022/06/Budget-2018-19-to-2021-22.pdf

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)

IDEA LAB

As a new initiative, the establishment of IDEA LAB is being planned to establish in the institution. The main purpose of the Idea Lab is to provide and promote all the facilities in one roof for the student's benefit. The primary objective is to encourage the student's innovative ideas to discover their strength in rendering their new projects worldwide. Training programs were planned under Idea Lab for the progression and strengthening the quality education across the globe.

RMK NEXTGEN

Students' participation in RMK NEXTGEN App helps them conceptually to understand their subjects. 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.

ESTABLISHMENT OF RESEARCH DOMAINS:

Our institution has recognized with various research domain groups in each department. The R&D plays a significant role and it is the heart of the development of each faculty and also make the institution to reach its heights. 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.

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

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 successfully functioning to reassure the measures for institutional operative system towards quality enhancement through internalization of quality culture and institutionalization of best practices.

New initiatives are executed to assess the planning and delivery of teaching, learning process, structures & methodologies of operations and learning outcomes, etc. as given below:

- As a new initiative the digital record of attendance and assessment is created to record the daily attendance of the student.
- It helps to enhance the continuous monitoring and corrective actions made for the benefit of the students.
- The delivery of teaching includes all modes of lecture delivery like class room teaching, video lectures, content beyond syllabus, mini project evaluation, etc.
- Students are monitored and the slow learners are identified in the hostel and were given special coaching class for their well-being.
- Technical Project reviews are conducted for the 1st Year students in the academic year 2021-2022. 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 instil 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	https://rmkec.ac.in/2023/wp-content/uploads/AOAR/6.5.2 Upload Final Link.pdf

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	https://rmkec.ac.in/2023/wp-content/uploads/AOAR/6.5.3 Annual Report.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

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

RMKEC sensitises students from day one on the need for gender equity by providing equal opportunities to all the students in every activity conducted in-campus. There is no discrimination at any point of time or in any activity. The institution ensures gender equality in admissions, employment, training, sports and all other activities.

Gender equity programs:

1. Gender champions are identified and gender equity activities are conducted periodically.
2. Conducted virtual sessions on "Oral Care of Adults" on 11.06.2022 and on "Sexual Harassment in Educational Institutions: Use and Abuse of the Law" on 16.06.2022.
3. Conducted an Elocution competition on "Our time is now-Our Rights- Our Future" in view of International Day of the Girl Child on 11.10.2022
4. Gender equity sensitisation is a part of SIP (Student Induction Program)

Student strength for the Academic year 2021-22: No. of Boys- 1952, No. of Girls- 1040

Facilities:

1. Separate mess and kitchen inside the girl's hostels
2. Napkin incinerator / vending machines
3. Separate Gymnasium and Beauty salons
4. Placement / Training / career counselling activities are common to all the students
5. Girls common rooms in SN block.
6. 24X7, availability of doctor and ambulance.
7. Stores in the girls' hostel to purchase any necessities.

The Internal Complaints Committee (Sexual Harassment of Women at a workplace) is constituted as per the AICTE Regulations 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	https://www.rmkec.ac.in/2023/administratio n/committee/the-internal-complaints-committee/

7.1.2 - The Institution has facilities for alternate sources of energy and energy

A. Any 4 or All of the above

**conservation: Solar energy Biogas
plant Wheeling to the Grid Sensor-based
energy conservation Use of LED bulbs/
power-efficient equipment**

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

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 system in all the buildings, one for collecting degradable and the other for non-degradable waste. Institution provides food for all the students and faculty members- breakfast, tea &snacks, lunch and inclusive of dinner for hostel residents. This leads to enormous amount of food waste and vegetable waste. In addition, other solid wastes include paper, cardboard, garden debris etc. The waste is collected every day and is transported to 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 of treated water is produced which is used for gardening and vehicle cleaning.

Paper waste management: Paper Waste is collected and properly disposed in an environmentally responsible manner by Venkatachalapathi Paper Mills Pvt. Ltd. Chennai.

Hazardous chemicals: Chemicals used in chemistry laboratory are dilute acids only. 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:

A. Any 4 or All of the above

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

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

<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	<p>B. Any 3 of the above</p>										
<table border="1"> <thead> <tr> <th data-bbox="86 696 539 757">File Description</th> <th data-bbox="539 696 1445 757">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 757 539 898">Reports on environment and energy audits submitted by the auditing agency</td> <td data-bbox="539 757 1445 898" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 898 539 1003">Certification by the auditing agency</td> <td data-bbox="539 898 1445 1003" style="text-align: center;">No File Uploaded</td> </tr> <tr> <td data-bbox="86 1003 539 1108">Certificates of the awards received</td> <td data-bbox="539 1003 1445 1108" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 1108 539 1176">Any other relevant information</td> <td data-bbox="539 1108 1445 1176" style="text-align: center;">View File</td> </tr> </tbody> </table>	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	
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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										
<p>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, reader, scribe, soft copies of reading materials, screen reading, etc.</p>	<p>A. Any 4 or all of the above</p>										

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).

To foster harmony and tolerance, a variety of programmes are implemented to accommodate cultural, regional, linguistic, communal, socioeconomic, and other diversity.

Through social media, greetings are shared for holidays like Pongal, Christmas, Eid Mubarak, Vijayadasami, Ayudha Pooja, and Diwali as well as commemorative days like International Women's Day, Mother's Day, and Labour Day.

There is an institute-wide code of ethics that all participants must abide by, regardless of their cultural, regional, linguistic, communal, social, or other differences. There is a separate code of ethics for teachers and other staff members.

The student should be able to understand the values in acquiring a holistic view of life. Additionally, to serve a congenial atmosphere in the college campus from the very first day of their college, especially during the Students Induction Programme, Universal Human Values module is included as per AICTE Model curriculum for students.

In addition, UHV course is incorporated in the curriculum as a three credit mandatory course in the curriculum.

A course on environmental science is also included in their degree curriculum.

A course is introduced about the Constitution.

Annual college magazine collects a variety of articles in various languages like English, Telugu and Tamil from faculty and

students.

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:

Institution organizes professional ethics programmes for students, teachers, administrators and other staff.

1) AICTE-Universal Human Values FDP

All faculty including Principal, Academic coordinator, HoDs have attended the program and the Refresher course conducted by AICTE.

2) UHV- Universal Human Values program is added in the Student Induction Program.

3) UHV- Universal Human Values program is added in the curriculum as a 3 credit course.

4) UHV cell is functioning in the campus.

Annual awareness programmes on the Code of Conduct are organized.

(I) Induction day

First year induction day program is organized every year. All the management members, faculty, students and parents meet on the day.

Due to the pandemic situation, it was conducted through online mode for the first time.

The code of conduct was explained to all the students and parents.

Then, the parents of day scholar and hostel students meeting with HoDs was arranged to clarify doubts of parents, if any, regarding code of conduct of their wards in the campus.

All the HoDs and senior faculty members visit hostels to elaborate hostel code of conduct to the students when they came to attend

End Semester Practical exams during February 2021.

(II) One week Induction program was arranged for the students. This includes address by Principal, address by department HoDs, Introduction to CoEs, Introduction to Clubs, other facilities, campus tour were arranged for a week.

(III) Principal and HoDs address the students of respective disciplines, twice a semester.

(IV) Vice Chairman addresses the hostel students twice a year.

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 celebrates /organizes national and international commemorative days, events and festivals since its inception in a grand manner.

List of festivals celebrated include Pongal, Christmas, Eid Mubarak, Vijayadasami, Ayudha Pooja, Diwali, Tamil New year and Ugathi. Commemorative days such as International Women's day, Mother's day, Teacher's day, Engineer's day, Labour day and Gandhi Jayanthi were celebrated by sending wishes through social media such as Facebook, Instagram, Twitter, WhatsApp, etc.

APJ Abdul Kalam's 6th commemorative day was celebrated on 27-07-2021. His dreams, achievements and vision were remembered.

Constitution Day was celebrated on 26-11-21. The preamble to be read in class for constitution day was offered by AICTE. This was to promote constitutional values and Fundamental principles of Indian constitution to the young citizens of India.

In view of National Voters' day observed on 25-01-22, Election Commission of India conducted singing, video making, Quiz, poster design and slogan competitions and the Institution encouraged the students to participate in all events.

International Day Against Drug Abuse and Illicit Trafficking was observed on 26-06-22 and all the students took the pledge.

In order to commemorate the occasion of 75 th Independence day of India, the Government of India have collaborated to create the #Har Ghar Tiranga campaign.

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:

1. Title of the Practice

Student Activity Cell - Club Activities

Student clubs are formed at all departments to help the students to unravel their strengths and talents through numerous activities. Following clubs are formed under SAC activities.

Language Club

Science and Innovation Club

Coding Club

Yoga Club

Eco Club

Math club

TEDx club

Cultural club

Astronomy club

Photography club

Humour club

2. Objectives of the Practice

Students were able to collaborate with their team members, applied creative thinking and also were able to increase their self-confidence in attending the club activities.

3. Contextual features or challenging issues that needed to be addressed in designing and implementing this practice

Training the students with variable capacities require adequate facilitators and considerable amount of time. Physical presence of the facilitator is also required during the course of time and

that was also a major difficulty to achieve 100% perfection.

4. The Practice

1. Students are motivated to participate in all activities. . 5.
Evidence of Success

Participation of the students is on an increasing trend. Average participation per student per club is also increased.

6. Problems Encountered and Resources Required

Most of the students were showing much interest and few others are reluctant towards their commitment. So driving them and making them to complete their task needed extra attention, patience and passion from the faculty.

File Description	Documents
Best practices in the Institutional website	https://www.rmkec.ac.in/2023/wp-content/uploads/2023/05/7.2.Best-Practices-2021-22.pdf
Any other relevant information	https://rmkec.ac.in/2023/wp-content/uploads/AOAR/7.2 Any other relevant information (Updated).pdf

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)

RMK NextGen AI-Powered Learning

RMK NextGen is a web cum mobile application introduced effectively to train the students in answering MCQs, subjective questions, online quiz and coding practice to train them in various skills. This activity by each faculty is done every day in each subject to train the students to acquire higher levels of understanding following Bloom's Taxonomy.

- Learning resources such as digital content, lecture plan, lecture notes, etc can be uploaded for the effective learning of students.
- Faculty can conduct objective, subjective, aptitude and

coding tests through the platform.

- Analysis of the assessments can be done under various categories such as topic, section, question and Bloom's Taxonomy.
- Video conferencing feature helps the students to learn effectively under the guidance of teachers.
- Online Live and regular feedback can be collected from students regarding all the activities.
- After teaching a topic, a live Quiz can be conducted by the teacher to evaluate the understanding of students.
- Live survey can be conducted.

Coding assessments are scheduled to improve the coding skills.

File Description	Documents
Appropriate link in the institutional website	https://www.rmkec.ac.in/2023/wp-content/uploads/2023/07/7.3-Institutional-Distinctiveness-2021-22-3.pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- Research centre recognition has to be obtained for all the departments.
- More focus to improve indexed publications and citations.
- Improving patent grants and project proposal submissions.
- Planned to schedule Faculty online feedback in RMK NextGen App.
- Regulation and curriculum to be designed as per Industry requirements. 40% Weightage will be given for Industry recommendations.
- Theory with Laboratory component and Laboratory with Theory component courses will be offered in the new curriculum.
- Honours degree and minor degree opportunity will be provided in the Regulation 2022 with the approval from Anna University.
- Online courses such as MOOC will be given consideration for Credit Transfer.