R.M.K. ENGINEERING COLLEGE

(An Autonomous Institution)

R.S.M. Nagar, Kavaraipettai, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu – 601 206.

INSTITUTIONAL STRATEGIC PLAN 2026-2031

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Institutional Strategic Plan: R.M.K. Engineering College (2026-2031)

About the Institution:

Since its inception in 1995, R.M.K. Engineering College established by Lakshmikanthammal Educational Trust, has fostered technical and higher education training and research in various branches of engineering and technology. R.M.K. Engineering College is spread across 60 acres of lush green environment; the college has excellent infrastructure facilities including adequate class rooms and seminar halls for respective departments. The Autonomous institution, situated 30 kms from Chennai at Kavaraipettai, Gummidipoondi taluk, is approved by AICTE New Delhi, affiliated to Anna University, Chennai, accredited by NAAC with A+ Grade and NAAC has approved our Institution to mentor 10 institutions for NAAC accreditation. All the eligible UG Programmes are accredited by NBA. For over 29 years, the ISO 210001:2018 certified institution has imparted knowledge and discipline among students, to mould them into professionals with integrity and character.

Today, we have progressed to a stage where we are recognized as one of the top performing Private Engineering Colleges under Anna University and have earned several laurels at the national level including the coveted Bharatiya Vidya Bhavan Best Engineering College award for "Excellence in Performance" in the year 2008, followed by the "Best Principal" Award in the year 2012, by the Indian Society for Technical Education (ISTE) New Delhi. Our Institution is ranked 151 – 200 Rank Band in the NIRF Ranking under the Engineering institutes category in the year 2024 and was ranked 6th across the country in SWACHHTA 2017 ranking by MHRD, Govt. of India. The College has been rated four-star rating under Institution Innovation Council (IIC) MIC, MHRD, Govt. of India. In the AICTE – CII survey our Institution has been awarded, the Best Industry linked Technical institute for Electronics Engineering & Allied (Degree) in the year 2015, Computer and IT Engineering & Allied (Degree) in the year 2018 and Mechanical Engineering & Allied (Degree) in the year 2019.

The College has been awarded the 'Clean and Green Campus' by the Rotary Club of Chennapatna for the very clean, green and beautiful campus providing an excellent ambience for learning. The R.M.K. Engineering College has been achieving Academic Excellence for the past 29 years and has always been in the top 10 position among all the Engineering colleges affiliated to Anna University. We have also been maintaining an excellent placement record all these years.

The Institution offers 11 UG Programs namely Civil Engineering, (Knowledge Partner : TCS in GIS & Smart Cities),Computer Science and Engineering, (Knowledge Partner : TCS – Cyber Security, NTT DATA – Full Stack Technology, ATOS – Cloud Computing), Electrical and Electronics Engineering (Knowledge Partner : HCL-Embedded Systems), Electronics and Communication Engineering (Knowledge Partner : JCI, TATA ELEXI, TCS – IoT, BOSCH Ltd), Electronics and Communication (Advanced Communication Technology)- (Knowledge Partner : TATA ELEXI & NEC Corporation), Electronics Engineering (VLSI Design & Technology)- (Knowledge Partner : TECH Mahindra), Mechanical Engineering (Knowledge Partner : TCS), Information Technology (Virtusa Batch Adoption Program), Computer Science and Business Systems (TCS Powered Program), Artificial Intelligence and Data Science (Knowledge Partner: Cognizant), Computer Science and Design (Knowledge Partner : LTI Mindtree) and 3 PG Programs (Computer Science and Engineering & Power Electronics and Drives & MBA).

Six departments are recognized as Research Centers by Anna University. The institution maintains a faculty student ratio of 1:15 to ensure personal attention and effective education through their well-qualified and experienced faculty which includes 52 % Ph.D. holders. AI powered - RMK Nextgen Application – A web based learning platform for understanding individual needs of the students. R.M.K. Engineering College records more than 95% Admission and 85% Placement consecutively for the past 10 years.

The Centre of Excellence concept has been introduced by the industries in leading institutions in India to develop the skill required by the Industries and also to promote the research culture in Engineering and Technology. These Centres of Excellence have been established through Memorandum of Understanding between Industries and R.M.K. Group of Institutions. 15 Centres of Excellences have been established by sponsorship from the industries and some of them are supported by the Industries in addition to the support given by the Management.

The Wi-Fi enabled campus offers well equipped laboratories, in-house kitchen, hostels, gym, indoor games and outdoor sports. Well established Placement Cell, Entrepreneurship Development Cell, Centre for Higher Education, Foreign Languages and Online Courses to carryout various activities. IDEA Lab sanctioned with a cost of 1.5 Crores by AICTE, New Delhi amongst the 49 colleges across the country, is set up to encourage students to experiment with the fundamental application of STEM (Science, Technology, Engineering and Mathematics).

Vision and Mission of the Institution

R.M.K. Engineering College (An Autonomous Institution) is one of the top ten Engineering Colleges in Tamil Nadu, India, established by the Lakshmikanthammal Educational Trust and is affiliated to Anna University, Chennai. The Institution started in 1995 has a vision to provide quality education to the student fraternity.

VISION OF THE INSTITUTION

- To be the nation's leading Institution, fostering excellence in education and research, producing globally competent ethical professionals, committed to societal welfare and sustainable development of the nation.

To achieve the Vision, the Institution has formulated the following mission:

MISSION OF THE INSTITUTION

- To inspire a passion for advanced learning and research, preparing students to dedicate societal advancements and to meet Sustainable Development Goals (SDGs) and global challenges.
- To develop robust infrastructure and a supportive environment that fosters effective teaching and learning.
- To nurture professional and ethical values in students, while cultivating a spirit of innovation and entrepreneurship simultaneously.
- To provide skill-enhancement opportunities that empower students industry-ready and future- focused.
- To collaborate with industries and organizations for the exchange of knowledge, technology, and best practices.

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Name and Address of the Trust:

Lakshmikanthammal Educational Trust

Office:

Lakshmikanthammal Educational Trust

Plot No.2981, 'Z' Block, 1st Street,

13th Main Road, Anna Nagar,

Chennai-600 040. Phone:044-26211504, 26266046, Fax No.044-26221641

The Institutional strategic plan comprising strength, weakness, opportunity, and threat of the institute has been prepared for the development of R.M.K. Engineering College.

The Management, Principal, Deans of the Institute, all HoDs, and other stakeholders of the Institute had several interactions extensively and arrived at the tentative strategic analysis. Then the results of analysis were discussed with all faculty and staff members of the institute to finalize the strategic plan.

The procedure to prepare the strategic plan is as follow,

1. Meetings and consultation were conducted with management, Deans, HoDs, faculty, staff, students, parents, alumni and Industry experts.
2. Each department submitted data to strengthen the institute infrastructure such as research laboratories, workshops, library, and campus infrastructure
3. The complete development plan was Brainstormed with HoDs and Senior Professors of the institute to collect valuable suggestions and inputs..
4. The final developmental plan was submitted to Committee for verification and approval.
5. While preparing the strategic plan, the following factors were considered
    - The existing infrastructure of the institute, like buildings, laboratories, equipment, workshop, library, transport, hostel and other facilities.
    - Outcome based curriculum development and the teaching & learning process.
    - Employability
    - Faculty and staff training program
    - Research, consultancy and industry-institute interaction.

Strategic Planning Committee

S.No.	Name	Designation	Role in Strategic Planning Committee
1	Thiru. R.S. Munirathinam	Founder – Chairman	Member
2	Thiru. R.M. Kishore	Vice-Chairman	Member
3	Dr.M.S.Palanichamy	Former Vice Chancellor Tamilnadu Open University	Member
4	Dr. K.A. Mohamed Junaid	Principal	Chairperson
5	Dr.S.Vijayalakshmi	Professor/ECE	Member
6	Dr. Elwin Chandra Monie	Dean – Research	Member
7	Dr.K.K.Sivagnana Prabhu	Dean – Career Development Centre	Member
8	Dr. S. Pavai Madheswari	Dean - Academics	Member
9	Dr.Balasubramanian M	HoD – S&H	Member
10	Dr. L.Andal	HoD – Civil	Member
11	Dr. T. Sethukarasi	HoD – CSE	Member
12	Dr.Sukhi	HoD –EEE	Member
13	Dr. T. Suresh	HoD – ECE	Member
14	Dr.K.R.Senthil Kumar	HoD – Mechanical	Member
15	Dr. M. Sheerin Banu	HoD – IT	Member
16	Dr. Sandra Jhonson,	HoD – ADS	Member
17	Dr.Chidambarathanu K	HoD – CSBS	Member
18	Dr.Thanga Ramya S	HoD-CSD	Member
19	Dr.V.Srinivasan	Professor/S&H & Controller of Examinations	Member
20	Dr. A. Kadirvel	Professor/MECH & Transport Incharge	Member
21	Dr. S.D. Uma Mageswari	Member, Rotary Club of Gummidipoondi Industrial City	Member
22	Mr. M.P. Somasekar	Programme Manager, GE Power Conversion, Chennai	Member
23	Mr. P.D.Parthasarthy	Associate Manager, DXC Technologies Ltd, Chennai	Member
24	Mr. S. Venkatraman	Chief BIM Modeller,COWI India Pvt Ltd, Chennai	Member

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SWOC Analysis of R.M.K. Engineering College

This SWOC analysis provides a strategic overview of R.M.K. Engineering College's current position, helping identify areas for improvement and areas to leverage for sustainable growth and long-term success.

Strengths

1. Project excellence: The college emphasizes the importance of final year projects, which help students develop creativity, problem solving skills, team work, soft skills and prepare them for jobs or higher studies.
2. Placement record: The college has a strong placement record, with many students getting placed in reputed companies. Around 85% of students out of all the eligible students got placed.
3. Training and placement department: The college offers structured training programs from I year to IV year to improve students' oral, written, and aptitude skills. (total duration of training: 1002 hours)
4. Library: The college has a good collection of text and reference books, as well as a subscription to many national and international journals.
5. Online and virtual learning: The college offers online and virtual learning facilities like NPTEl, SkillRack, iamneo, Codetandra and Infosys Soring Board.
6. Actively participating in community based programs like Swaach Bharat, Sapling Plantation programs, Digital literacy, Blood donation camps, NSS activities, and any other State & Central government initiatives.
7. Other strengths: The college has well-qualified teachers with good retention, a good infrastructure, and a disciplined environment.

Weakness

1. Difficulties in attracting highly talented students for PG and research programs.
2. The college could not utilize its potential to the fullest extent in terms of research and development
3. Limited international visibility for faculty members
4. Insignificant success rate in receiving research funding from government funding agencies

Opportunities:

1. Providing a diverse range of degree courses in alignment with the National Education Policy 2020
2. Offering a new UG/PG program in emerging areas.
3. The strong alumni base of the college can be involved to contribute to the institution towards excellence and to help in the journey of being listed in one of the best colleges of the state.
4. Support for career and self-development of faculty members
5. To improve the placement opportunities in high salary package companies and Tier 1 industries
6. Eligibility to apply for more funding schemes

Challenges:

1. Adapting to the rapidly changing requirements and expectations of industries, society, and government policies, ensuring that educational programs remain relevant and responsive.
2. Retention and Recruitment of competent faculty members, particularly in CSE & Allied Departments.
3. Attitude and Mindset of Gen Z students (Generation Z - Born 1995-2009)

Considering all the above factors, strategic plan for 2026- 2031 is prepared as follows:

A. Strategic Plan for Academic Excellence:

1. Achieve NBA Tier 1 Accreditation for all Eligible Programs:
2. Achieve A++ Grade in NAAC Accreditation:
3. Introduce New Programs (M.Tech, Ph.D.) in Emerging Areas:
4. Enhance Curriculum with Industry-Relevant Courses with Industry partner support:
5. Increase student satisfaction with course delivery through faculty development programs:
6. Using ICT based techniques teaching learning process
7. Mentoring system for the students, emphasis on slow learners.
8. Implement innovative pedagogical practices to promote active learning.
9. Conduct FDP Training Programs for Faculty on emerging Courses Introduced:
10. Attain Deemed-to-be University Status.

B. Strategic plan for Research and Innovation:

1. Establish Research & Development Centres in Collaboration with Industry:
2. Increase Research Publications in top quality journals and revenue generation through Patents:
3. Increase publications in high-impact journals within relevant disciplines.
4. Faculty members are encouraged to send research proposal to various funding agencies for financial support:
5. Encouraging students to participate in national and international conferences to present and publish papers:
6. Encouraging under Graduate students to participate National level Hackathons:
7. Foster Innovation and Entrepreneurship Through Incubation Centres:
8. Promoting consultancy services in each department:
9. Encouraging faculty members to do collaborative research with IITs and NITs.
10. Improve Ranking in the National Institutional Ranking Framework (NIRF):
11. Increase grant and sponsored project by Government and Industry:

C. Strategic Plan for Infrastructure Development:

1. Expand Campus Infrastructure (New Blocks, Labs):
2. Continuously upgrading Existing Facilities (Smart Classrooms, Digital Libraries):
3. Implement Sustainable Energy Solutions:
4. Enhance Digital Infrastructure (Wi-Fi to All Classrooms, Online Platforms):

D. Strategic Plan for Industry Partnerships:

1. Established Career Development Centre which interacts with the industry to enhance the placement of students and also gives career guidance to the students:
2. Establish MoUs with Industry Partners:
3. Conduct Joint Research Projects:
4. Offer Industry-Certified Courses:
5. Enhance Internship and Placement Opportunities:
6. Achieve Placement Record of more than 90%
7. Contribution of Industry in Bos, Academic council and Governing council:
8. Partner with local businesses and organizations for internship opportunities.
9. Established an Entrepreneur Development Cell (EDC) which will act as focal point for its interaction with society and industry to satisfy the needs of the students interested to become entrepreneurs:

E. Strategic Plan for Student Development:

1. Implement Holistic Student Development Programs:
2. Enhance Soft Skills Training:
3. Foster Entrepreneurship and Innovation Clubs:
4. Improve Student Placement Rates:
5. Improvement in communication skills through TOFEL Exams:
6. Opportunities for Foreign language learning:

F. Strategic Plan for Internationalization:

1. MoU's with Foreign Universities.
2. Establish Partnerships with Foreign Universities (within top 500 world QS Ranking)
3. Conduct Student Exchange Programs:
4. Offer International Certification Programs:
5. Host International Conferences

G. Strategic Plan for Alumni Network:

1. Registering the Alumni through Institute web-site link for wide alumni networking:
2. Enhance Alumni Engagement and Donations:
3. Implementation of Alumni Interaction Cell:
4. Conduct regular alumni meeting at institute and departmental level:
5. Collecting suggestions from alumni for updating of curriculum:
6. Encouraging alumni in the involvement of overall development of the Institute:
7. Alumni Coordinators are appointed separately at College level and Department level:
8. Alumni feedback forms on the curriculum and performance of the Institute are collected and recorded:

H. Strategic plan for Extension Activities:

1. Blood donation camp:
2. Tree plantation:
3. Service given to neighboring villages in the required domain:
4, Service during natural calamities:

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SHORT TERM GOALS (STG)

1. To sustain Tier-1 Academic Excellence: Continuously update 100% of autonomous curriculum every two years to incorporate AI/ML, Quantum Technologies, and UN SDGs.
2. To achieve Top 100 NIRF Ranking (Engineering Category) and debut in major global rankings (e.g., QS Asia/THE World Rankings).
3. To establish two new state-of-the-art Research Centers/IDEA Labs focusing on Bio-Innovation and Sustainable Energy; convert 75% of labs to COE standards.
4. To achieve 100% placement for eligible students with a target of 20% securing Global/Super Dream Offers (25 LPA and above equivalent).
5. To execute 5 new active Twinning/Dual Degree Programs with top-tier universities from the USA/Europe/APAC, facilitated by the Higher Education Cell.
6. To incubate 5 start-ups annually with seed funding from the institution or external grants, generating tangible revenue for the College.
7. To mandate advanced proficiency in at least one foreign language for all students pursuing Twinning/Global Placement tracks.
8. To Upgrade Existing Central Library
9. To add number of hostel rooms / Blocks
10. To make all Engineering and S&H Departments to be Anna University recognized Research Centres / To get Institution Research Approval..

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LONG TERM GOALS (LTG)

1. **Strengthen an Advanced Research Ecosystem** with Recognized Research Centres in All Departments Expand established Research Centres into full-fledged advanced research hubs with interdisciplinary collaboration, funded projects, and increased research scholar enrolment.
2. **Achieve and Sustain the Highest NAAC Grade Through Continuous Quality Enhancement** Maintain excellence in all NAAC criteria by strengthening academic benchmarks, adopting global best practices, and enhancing quality assurance systems.
3. **Significantly Increase Research Impact Through High-Quality Publications, Patents, Technology Transfers, and Major Research Grants** Focus on Scopus/WoS-indexed publications, patent commercialization, consultancy, and large-scale funded projects from national and international agencies.
4. **Achieve 90% Ph.D.-qualified** faculty and ensure their active involvement in guiding research scholars.
5. **Establish a Sustainable Startup & Innovation Ecosystem**
   Promote student and faculty-led startups through incubation support, seed funding, industry mentorship, and linkages with national innovation platforms.
6. **Implement a Comprehensive Institutional IPR Policy with Commercialization Pathways** Strengthen IPR management, increase patent filings, and focus on technology licensing and industry partnerships for product commercialization.
7. **Expand Institute–Industry Collaborations to Global Standards**
   Develop international industry partnerships, joint centres of excellence, industry-integrated curricula, internships, and long-term collaborative R&D projects.
8. **Upgrade the Corporate Centre into a Centre for Employability, Career Excellence & Industry Collaboration** Enhance training, global placement opportunities, career development programs, and industry-driven competency mapping.
9. **Strengthening the global alumni network:** Transform alumni base into a globally integrated, financially supportive, and professionally active ecosystem that directly contributes to the College's Tier 1 placement, research excellence, and international visibility targets.

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ACTION PLAN

MILESTONE TIME LINE CHART (STG)

S.No.	Milestone	Timeline
1.	Sustain Tier-1 Academic Excellence: Continuously update 100% of autonomous curriculum every two years to incorporate AI/ML, Quantum Technologies, and UN SDGs.	Periodical
2.	Achieve Top 100 NIRF Ranking (Engineering Category) and debut in major global rankings (e.g., QS Asia/THE World Rankings).	2026,2027
3.	Establish two new state-of-the-art Research Centers/IDEA Labs focusing on Bio-Innovation and Sustainable Energy; convert 75% of labs to COE standards.	Periodical
4.	Achieve 100% placement for eligible students with a target of 20% securing Global/Super Dream Offers (15 LPA and above equivalent).	Periodical
5.	Execute 5 new active Twinning/Dual Degree Programs with top-tier universities from the USA/Europe/APAC, facilitated by the Higher Education Cell.	2027
6.	Achieve ISO Certification for E-Governance processes, ensuring paperless administration and 95% process efficiency.	Periodical
7.	Incubate 5 start-ups annually with seed funding from the institution or external grants, generating tangible revenue for the College.	Periodical
8.	Mandate advanced proficiency in at least one foreign language for all students pursuing Twinning/Global Placement tracks.	2027
9.	Modernisation of existing Central Library	2026
10.	Air Conditioning of hostel rooms	2027

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ACTION PLAN

MILESTONE TIME LINE CHART (LTG)

S.No.	Milestone	Timeline
1.	**Strengthen an Advanced Research Ecosystem** with Recognized Research Centres in All Departments Expand established Research Centres into full-fledged advanced research hubs with interdisciplinary collaboration, funded projects, and increased research scholar enrolment.	Continuous
2.	**Achieve and Sustain the Highest NAAC Grade Through Continuous Quality Enhancement** Maintain excellence in all NAAC criteria by strengthening academic benchmarks, adopting global best practices, and enhancing quality assurance systems.	2026
3.	**Significantly Increase Research Impact Through High-Quality Publications, Patents, Technology Transfers, and Major Research Grants** Focus on Scopus/WoS-indexed publications, patent commercialization, consultancy, and large-scale funded projects from national and international agencies.	2028
4.	**Achieve 90% Ph.D.-qualified** faculty and ensure their active involvement in guiding research scholars.	2028
5.	**Establish a Sustainable Startup & Innovation Ecosystem** Promote student and faculty-led startups through incubation support, seed funding, industry mentorship, and linkages with national innovation platforms.	Continuous
6.	**Implement a Comprehensive Institutional IPR Policy with Commercialization Pathways** Strengthen IPR management, increase patent filings, and focus on technology licensing and industry partnerships for product commercialization.	Continuous
7.	**Expand Institute–Industry Collaborations to Global Standards** Develop international industry partnerships, joint centres of excellence, industry-integrated curricula, internships, and long-term collaborative R&D projects.	2028
8.	**Upgrade the Corporate Centre into a Centre for Employability, Career Excellence & Industry Collaboration** Enhance training, global placement opportunities, career development programs, and industry-driven competency mapping.	2028
9.	**Strengthening the global alumni network:** Transform alumni base into a globally integrated, financially supportive, and professionally active ecosystem that directly contributes to the College's Tier 1 placement, research excellence, and international visibility targets.	Continuous

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Considering all the above factors, R.M.K. Engineering College has effectively monitored & implemented the strategic plan 2021- 26 as follows:

A. Academic Excellence:

- In RMK the curriculum and syllabus is designed and developed by industrial professionals, alumni and distinguished Academicians in line with the rapidly changing industry.
- Most of the theory courses are laboratory integrated that makes a significant difference in the students' performance. Coding training, Industrial Internships are part of the curriculum. Knowledge partner will frame 40% of curriculum and 60% from the distinguished Academicians and by the department.
- To meet the above requirement our college is having 12 numbers of Centre of Excellences (COEs) to enrich the curriculum and make the students company ready. A Centre of Excellence (CoE) is a team that leads faculty and the organization in some particular area of focus such as a technology, skill or discipline. CoE may provide research support, guidance and placement training for faculty and students. A Centre of Excellence is frequently used when an organization needs to take on a new technology or skill required by the industry.

- To enhance project-based learning, Product Development Laboratory is introduced. This Laboratory is conducted over the first four semesters. First semester students will identify the innovative project idea. Second semester is for finding the Literature Review of their idea. In the third Semester, the project will be designed and fourth semester, it will be fabricated using the department laboratory facilities. Students get familiarised with the facilities in the Idea laboratory during their first and second semesters. After making a final project, their idea will be either Published as a paper or Filed for Patent. Projects have been executed in building a stratagem and designed to accomplish the vision of the institution. It standardizes the future course of action in a challenging, attainable, specific, measurable, time-bound, and relevant way in developing the student to excel in their innovative ideas and creativity.
- Idea laboratories houses all high end Electrical, Electronics, and Mechanical Equipments. AR and VR laboratories are also set up for CSE allied courses to implement their ideas.
- As a common facility embedded in the institution, the IDEA Lab will make engineering graduates more imaginative and creative, besides getting basic training in the 21st-century skills like – critical thinking, problem-solving, design thinking, collaboration, communication, lifelong learning, etc.

Faculty empowerment Strategies adopted

- Faculty members are encouraged to pursue Part time Ph.D.,
- Faculty members who are pursuing Part time Ph.D, attending face to face FDP can avail On duty .
- Faculty members are motivated to attend Online courses in MOOC – NPTEL
- Faculty also attend FDPs in ATAL and pursue NITTTR Modules (IIIT). Management is sponsoring to attend NITTTR workshop and FDP for the faculty below 5 years of teaching experience.
- Management is sponsoring to attend a "Design thinking" workshop for the faculty.
- The college provides Consultancy and Research monetary benefits for faculty.
- At the beginning of every semester resource persons are invited from reputed organizations, to conduct FDP for enriching the knowledge of the subject, which is going to be handled by the faculty. This initiative is fully sponsored by the management.
- Training the trainer program is completely sponsored by the management for the faculty to enrich their knowledge in recent trends and industry needs.
- Encouragement for Post-Doctoral Fellowship, International Conference and Internship in Foreign Universities.
- Faculty training and internship in Industries.
- Encouragement for online certification courses by Industry.

Certification by ISO 21001:2018 (EOMS)

- The institution has become the first education institution to get certified by ISO 21001:2018 - EOMS (educational organisation management system).
- The auditor training will be held for facilitation of EOMS certification.
- All the documents for EOMS certification will be copyrighted with copyright No:21001:2018

Guest lecture series (online) – Generic Talk Series

The institution has proposed to conduct two guest lectures / month and telecast it through the college youtube channel.

- The departments are encouraged to organise programmes in one technical and one non-technical topic per month.
- The resource persons may be globally recognised academician or industrialists.

B. Research and Innovation:

R.M.K. Engineering College boasts an exceptional and cohesive ecosystem dedicated to fostering innovation. This ecosystem is encouraged by the Institution's Innovation Council, Research and Development (R&D) Centre, Entrepreneurship Development Cell (EDC), and Intellectual Property Rights (IPR) Cell etc.,

- **Institution's Innovation Council (IIC):**

  The Institution's Innovation Council (IIC), established in collaboration with the Ministry of Human Resource Development (MHRD) Government of India, serves as a centre for encouraging, inspiring, young talents to explore their studies.

- **Incubation Centre**

  The RMKEC Incubation Centre, recognized by the Ministry of Micro, Small and Medium Enterprises, Government of India, provides crucial support to young entrepreneurs. With funding from the ministry, this incubator facilitates concept validation and prototype development for ideas hypothesized by RMKEC students.

- **The Intellectual Property Rights (IPR) Cell**

  The Intellectual Property Rights (IPR) Cell serves as a platform for faculty members, students, and research scholars to engage in discussions, gain practical exposure, and receive assistance in the patent filing process, thereby promoting innovation.

- **Entrepreneurship Development Cell (EDC)**

  Entrepreneurship Development Cell (EDC) at R.M.K. Engineering College, accredited by the National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science & Technology, Government of India, plays a pivotal role in nurturing entrepreneurial endeavors among students.

C. Infrastructure Development:

- R.M.K. Engineering College is adorned with excellent infrastructural facilities. It has an ample number of classrooms, tutorial rooms, department library with reading rooms, faculty rooms, department seminar halls, state of art laboratories with sophisticated equipment.
- All 83 classrooms and tutorial rooms are equipped with a LCD projector facility with LCD screen, notice board, display board, and dust bin.
- In addition, all the 8 Seminar halls are available with state of the art AV facilities.

- Every department has a well-furnished smart classroom with a smart view board. This viewboard is an interactive, movable whiteboard with a touch screen display connected to the internet.
- The computer center has a universal central facility, with internet access through 1250 Mbps with a strong internet link. The Computer center has the state of the art Servers, printers, plotter, Licensed software, and Open-source software. It has a power backup through a 320 KVA UPS and 1105 KVA Generator set. Air conditioning is provided by the central air conditioning system.
- In R.M.K, RMKNextGen - an AI-enabled tool is used to conduct online objective tests which predict and evaluate students progress of the study.
- Trainings and Practice Test on programming skills is given to all the students using Skillrack, CodeTantra, Amcat, Hackerrank, Iamneo platforms, etc
- AC accommodation in Hostels.
- Wi-Fi enabled classroom, Labs and Hostels.
- Lifts and Ramps are provided in all buildings for disabled students and teachers.
- AR and VR lab, Idea lab and Robotics lab have been established.
- RMK Exams internal software is used for all COE related activities
- AI powered - RMKNextGen is used for conducting MCQ Tests.
- Pragati App is another platform for sharing the student's basic information. All the mark statements starting from the first year till the final year are updated. After every assessment, the counsellor reports the overall performance of the students and provides recommendations for their improvement. All the information regarding their progression is sent to the parents. This app enhances the pertinence of each student's competence in their learning process.
- **Sports facilities:** 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, carom and chess are also available for the students. Students utilize the 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.
- A 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. 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 monitored by experienced trainers. The hydraulic gymnasium (Air Conditioned) is equipped with latest multiple machines including three tread-mills. A separate gymnasium for women is also annexed with the Girls hostel.

- **Solar Energy:**

  The institution has four 5 kW solar panels totalling 21 kW, which can supply 40% of the electricity needed for the academic buildings.

- **Biogas fuel plant:**

  To suit the needs of the college, a biogas fuel plant that produces 3 kg of petrol per day is erected.

- **Energy conservation with sensor technology:**

  All classrooms and labs have sensors installed for fans and lighting.

- **Use of LED bulbs/ power-efficient equipment:**

  Four laboratories have implemented smart lighting systems

  Using LED lights and energy-saving devices 42 numbers of 36W LEDs are used in place of 250W street lights, and 480 40W tube lights are swapped out for 18W LED tube lights. As a result, a total of 7038 units were saved per month, or Rs. 70380 in savings. The only means of internal travel on campus are battery-powered automobiles and bicycles.

- Student utilize mass transit (by college buses exclusively). Private automobiles, including motorcycles and cars, are absolutely forbidden.

D. Industry Partnerships:

1. INDUSTRY AS KNOWLEDGE PARTNERS

https://www.rmkec.ac.in/2023/coe_dep/about-coe/

a. To continuously evolve the teaching and learning process
b. To enhance the curriculum to meet the expectations of the job markets.
c. To keep abreast with the global technological trends
d. To improve the curriculum design

Institution has inducted industry partners in the Board of studies for curriculum design

- 40% curriculum provided by the industry knowledge partners in line with the rapidly changing industry landscape with
- Industries contributing directly to the curriculum are scarcely known in Indian context. As an autonomous institution, RMKEC has taken milestone initiative by partnering with the industries for curriculum design and hence the students are better positioned in the job markets, with the specialized knowledge and skills.

The concept of knowledge partnering has been introduced since 2022. As mentioned, the industry partners design 40% of our curriculum. They also provide faculty training on specialized courses and hence simultaneous increase in the available expertise is also achieved.

Program	Knowledge partner	Weblinks
B.TECH. – Artificial Intelligence and Data Science	Cognizant	https://www.rmkec.ac.in/2023/aids/about-the-department/
B.E. – Civil Engineering	TCS in GIS and SMART Cities	https://www.rmkec.ac.in/2023/dep_civil_eng/about-the-department/
B.E. – Computer Science and Design	LTI Mindtree	https://www.rmkec.ac.in/2023/cs_design/about-the-department/
B.Tech. – Computer Science and Business Systems	Powered by Tata Consultancy Services	https://www.rmkec.ac.in/2023/btech/about-the-department/
B.E. - Computer Science and Engineering	TCS - Cyber Security, NTT Data - Full Stack Technology, ATOS - Cloud Computing) (Joins Google Career Readiness Program)	https://www.rmkec.ac.in/2023/computerscience_eng/about-the-department/
B.E – Electrical and Electronics Engineering	HCL (Embedded Systems-40% Syllabus framed by HCL)	https://www.rmkec.ac.in/2023/ee_eng/about-the-department/
B.E. – Electronics and Communication Engineering	Johnson Controls (India) Pvt. Ltd. (JCI), TATA ELXSI, TATA Consultancy Services- IoT and BOSCH Ltd. – Automotive Electronics)	https://www.rmkec.ac.in/2023/ec_eng/about-the-department/

B.Tech – Information Technology	Powered by Virtusa & (Virtusa Batch Adoption Program)	https://www.rmkec.ac.in/2023/infotech_eng/about-the-department/
B.E. - Electronics and Communication (Advanced Communication Technology)	40% of the Syllabus provided by knowledge partners of ECE - TATA ELXSI,NECTechnologies)	https://www.rmkec.ac.in/2023/ece_act/electronics-and-communication-advanced-communication-technology/
B.E. – Mechanical Engineering	Tata Consulting Services	https://www.rmkec.ac.in/2023/mechanical_eng/about-the-department/
B.E. - Electronics Engineering (VLSI Design and Technology)	40% of the Syllabus provided by our proposed knowledge partner HCLTECH	https://www.rmkec.ac.in/2023/eee_vlsi/electronics-engineeringvlsi-design-and-technology/

- ❖ Industry Training and Internship for Students and Faculties.
- ❖ Industry Guest Lectures / Seminars/ Webinars on Emerging Area.
- ❖ Industry participation in Board of Studies, Academic council and Governing Council.

E. Student Development:

Our institution prioritizes a student-centric approach, with faculty members employing a variety of ICT tools to create engaging and enriching learning experiences.

- ➢ **Interactive Classroom Tools:** Projectors, smart boards, and audio-visual devices are extensively used during regular classes and guest lectures to make sessions dynamic and engaging. All departments are equipped with Wi-Fi-enabled classrooms featuring smart boards.
- ➢ **AI-Enabled Learning:** RMK NextGen, an AI-powered platform, is utilized to conduct online objective tests, helping predict and evaluate students' academic progress effectively.
- ➢ **Programming Skill Development:** The SkillRack and iamneo platform are used to provide training and practice tests, enhancing students' programming and problem-solving skills.
- ➢ **Digital Learning Materials:** Comprehensive digital resources, including study materials, lecture slides, and video content, are made available for all courses on the respective department webpages.

- **Online Quizzes:** Online quizzes are regularly conducted to assess students' grasp of core concepts, encourage active learning, and provide constructive feedback to improve their understanding.
- **Online Competitions:** Students are encouraged to participate in online competitions, enabling them to stay updated on industry trends, gain recognition in their areas of expertise, and build a strong peer network.
- **Online Courses:** Students are motivated to pursue online certifications through platforms such as NPTEL, Coursera, and edX, fostering self-paced learning and global exposure.

F. Internationalization:

CAREER DEVELOPMENT CENTRE (CDC):

The Career Development Centre is committed to provide all possible assistance to its graduates and post graduates in their efforts to find employment. This commitment is demonstrated by the existence of a full-time Placement Officer. The benefits of this assistance are reflected in the preparation of RMKEC Students who are able to secure lucrative and esteemed position in recent years.

The Career Development Centre operates year round to facilitate contacts between companies & Graduates. Staff members are available to respond to student's questions and concerns of all kinds. This may include advice on placement procedures; help to prepare application and resumes and mock Interviews. The aim is to ensure that students have the information and skills necessary for an effective job search

Those considering careers in education or its related fields are offered detailed career guidance at the Career Development Centre. All counseling is based on up to-date placement statistics and an envisioned view of future educational and industrial trends. Additionally, the Career Development Centre helps the students to improve their communication Skills and Presentation Skills.

1. To produce the most competitive technocrats to fit in all scenario
2. To place students in Prospective IT & Core Companies.
3. To give sufficient practical exposures to create action plans and execute the solutions
4. Help the students to develop a passion to win and a global mindset.

https://www.rmkec.ac.in/2023/training_placement/about-training-and-placement/

CENTER FOR HIGHER EDUCATION

The mission of the Higher Education Cell is to prepare and give exposure to the students on pursuing higher studies abroad and in India. The Centre identifies the Aptitude of the Students for Higher Studies and accordingly, arranges several programs, such as:

a) Awareness sessions on competitive examinations such as GATE,GRE, TOEFL, IELTS, GMAT etc. in II year.
b) Country specific programs through authorized consulate offices such as USIEF, Education UK, Campus France, Nuffic NESO Desk, Enterprise Ireland and so son.
c) University specific information are provided to the students through exclusive education fairs and university representatives.
d) Mock Examinations on TOEFL, GRE and GATE are conducted to give hands-on-experience about the pattern and type of questions.

In addition, international guest lectures / workshops on emerging technologies are arranged through eminent professors of foreign universities for the benefit of the students.

The centre initiates and processes MoUs with the Universities in abroad for active academic and research collaboration.

This well - structured Support System for higher studies assist the students in making their right choice regarding the Subjects, Courses and Universities for Higher Studies, both in India and abroad.

https://www.rmkec.ac.in/2023/higher_edu/about-higher-education-cell/

Mini Education Fair top ranked universities from USA,UK and Australia was conducted on 3.11.2023

CENTER FOR FOREIGN LANGUAGES

Launched as an innovative project, the Centre for Foreign Languages intends to cater to the compelling multi-linguistic requirements of the higher education and offshore placement opportunities of the current globalized market. In this era of globalisation and commercial tie-ups, knowing a foreign language is always an asset which gives one the required edge and enhances the job prospects. Apart from the business exchange, there is also a growing need to translate scientific and technical documents from foreign languages. The Centre intends to promote the study of various languages, literature, and culture. At present the focus is on a study of Japanese and German languages.

OBJECTIVES:

- To provide academic support for the interested student in various foreign language
- To develop manpower that has foreign language knowledge that will in turn help in the process of placement and research.
- To generate a common window for all foreign languages that will be beneficial to both student and campus recruiter.

THE ROAD MAP

YEAR	JAPANESE LEVELS	DURATION	GERMAN LEVELS	DURATION
First Year	N5	150 Hours	A1	120 Hours
Second year	N4	150 Hours	A2 & B1	120 Hours each
Third year	N3	300 Hours	B2	120 Hours
Final year	**Placement/ Higher Studies**			

MoU Signing Event on 19.05.2022 with INDIGILAB – Bangalore for Japanese Endowment Program recognized by Ministry of Economics Trade and Industry (METI) Japan.

G. Alumni Network:

The RMKEC Alumni Association, established on May 12, 2002, serves as a vital bridge between RMK Engineering College and its alumni community, fostering lifelong relationships that contribute to the professional and personal growth of both alumni and current students. Governed by an elected committee consisting of a President, Vice President, Secretary, Treasurer, and seven office bearers, the association plays a critical role in engaging alumni through various initiatives, networking opportunities, and activities that support the college's mission of excellence in education. Elections for these positions are held during the Annual General Body Meeting (AGM), ensuring that the association remains well-organized and strategically guided.

The association organizes two major alumni meets annually: the Graduation Day Alumni Meet, held on campus to induct the new graduates into the alumni network, and the November Alumni Meet, which takes place on a designated Sunday in Chennai for networking and knowledge-sharing.

The **34th Alumni Meet**, held on April 28, 2024, as part of the 23rd Graduation Day celebrations, marked the formal induction of the graduating students into the alumni association. The **35th Alumni Meet**, hosted on October 27, 2024, at the Key-Em Spectra Hotel, Chennai, was a grand occasion attended by over 600 alumni. This meet was particularly significant due to its large turnout and the meaningful interactions that took place, including keynote addresses, networking sessions, and discussions, providing a platform for alumni from various years and regions to connect and celebrate their shared achievements.

The founder-chairman, Shri R.S. Munirathinam, has also played a key role in strengthening the global alumni network by hosting alumni meets in cities across the United States and the United Kingdom, including Atlanta, San Francisco, Washington, New York, Los Angeles, and London. These international events encourage alumni to stay engaged with their alma mater, fostering a sense of community regardless of geographical boundaries.

The RMKEC Alumni Association significantly enhances the college's visibility, supports student employability, and fosters a culture of continuous learning. Alumni actively contribute to student development through mentorship, guest lectures, and participation in various campus initiatives. Their involvement in regional and international activities creates valuable networking opportunities, benefiting both the college and its alumni. As a key part of RMKEC's educational ecosystem, the association's continued engagement helps strengthen the institution's reputation, reinforcing its commitment to academic excellence and innovation. Through its ongoing efforts, the RMKEC Alumni Association remains a cornerstone of the college's success and development.

35th Alumni Meet, held on October 27, 2024 at Key-Em Spectra Hotel, Chennai.

H. Extension Activities:

- The Institute has actively contributed to societal and environmental welfare through its involvement in fostering a robust Institution-Neighbourhood-Community network.
- Institute's extension activities encompass various dimensions, including the National Service Scheme (NSS), Women's Grievances and Redressal Cell, Unnat Bharat Abhiyan, and Swachh Bharat Abhiyan etc., These extension activities are executed through the NSS Unit, as well as through special initiatives undertaken by the Institute. The NSS Unit spearheads community-based activities such as tree plantation drives, cleanliness and eye checkup campaigns in local villages, road shows promoting national integration, and awareness programs on government welfare schemes.
- In terms of social development, students are encouraged to engage in community service and are educated about their role in addressing societal challenges. Physical development is emphasized through sessions on the benefits of yoga and expert-led exercise sessions.
- Moreover, emotional development is fostered through participation in donation camps, where students imbibe ethical values and develop emotional connections to critical social issues.
- Organizing such events serves to raise students' awareness about societal issues and their corresponding social responsibilities. The NSS Unit frequently hosts guest talks on topics such as gender issues and women's security to further educate and empower students in these areas.

By following this strategic plan, R.M.K. Engineering College can achieve significant Excellence in Academics, Growth in Research and Innovation and International Recognition.

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