



# R.M.K. ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE & Affiliated to Anna University)



## B.E. Electrical & Electronics Engineering

"To Push the Boundaries of Modern Technology  
Across Various Industries"



TNEA COUNSELLING

CODE: 1113

Knowledge Partner and Powered By HCL Tech

### Honours Degree

(18 Credits) in

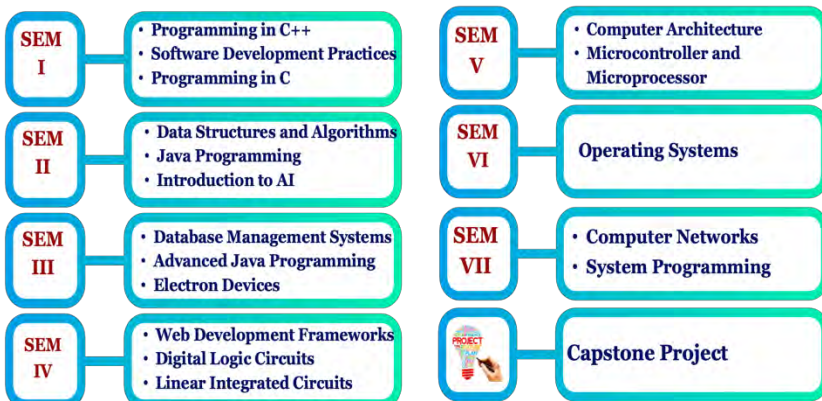
- E - Vehicle Technology
- Embedded Systems
- Power Electronics and Drives
- Control and Automation
- Renewable Energy Technology
- Smart Grid Technology
- Semiconductor Technology

### Minor Degree

(18 Credits) in

- Advanced Web Development
- Artificial Intelligence & Machine Learning
- Data Science
- Digital Health Care
- Robotics and Automation

## Embedded Systems Learning Path



## BEST PRACTICES OF KNOWLEDGE PARTNER COLLABORATION

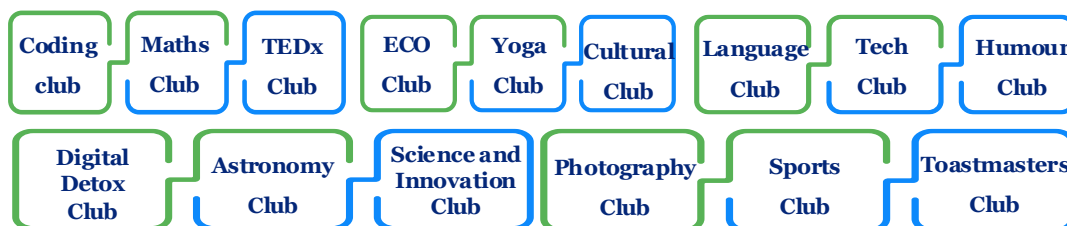


## What Makes B.E. EEE Unique at R.M.K.?

- ❖ Accredited by NBA & NAAC with A+ Grade and All India Ranking in NIRF 151-200 Rank Band during the year 2024.
- ❖ Recognized Research Centre under Anna University, Chennai.
- ❖ Best Division Award from Institution of Engineers consecutively five years.
- ❖ Multiple verticals with flexibility to choose Honors and interdisciplinary Minor Degree.
- ❖ Our Knowledge Partner, HCL Tech designs 40% of Curriculum and Syllabi for B.E Electrical and Electronics Engineering. Most of the Courses in the Curriculum are Practicum Integrated Courses in the niche areas. HCL Experts deliver the course contents and train our faculty and students.
- ❖ Competent, committed and experienced faculty with an average experience more than 10 years. 83% Ph.D holders and 17% pursuing Ph.D. in the diversified areas like Power Electronics, Power Systems etc., Certified and trained faculties through reputed industries like Bosch (Automotive Electronics), CDAC & HCL Tech (Embedded Systems) and Mitsubishi Electric ( Factory Automation).
- ❖ First Institution in Tamilnadu to implement AI-driven learning platform, RMK Nextgen for students to imbibe personalized learning experience.
- ❖ Consistently above 95% Placement with highest salary package of ₹ 8.5 Lakhs per Annum and more than 10% of the students pursuing higher studies in USA, UK and Canada etc.,
- ❖ 4 Centre's of Excellence and Industry Collaborative Laboratories.
- ❖ Providing individual attention through continuous monitoring of academic progress, placement activities and counseling support (20 students for every Counsellor).
- ❖ Support for doing internship in Foreign universities

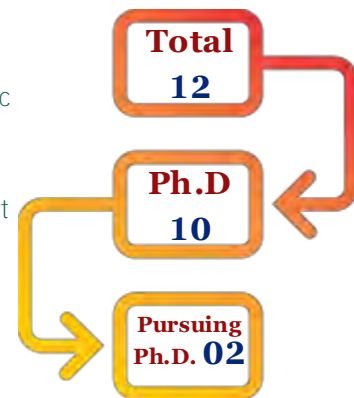
# Salient Features

- ❖ An ISO 21001:2018 Certified Institution.
- ❖ Shifting from School Life to Professional Life.
- ❖ Industry Designed Autonomous Curriculum and Research Oriented Curriculum in Futuristic Technologies.
- ❖ Product Development Lab from Semester I to VI through AICTE Idea Lab.
- ❖ Curriculum delivery through Innovative Pedagogical Techniques with Smart Classrooms, Smart View Board and LCD Projectors.
  - ❖ Live Interactive
  - ❖ Assessment through RMK Nextgen
  - ❖ Activity-Based Learning
  - ❖ Blended Learning
  - ❖ Project-Based Learning
- ❖ Design and Development of Digital Course Materials by our team of faculty.
- ❖ Practicum sessions through iamneo NeoCoLab Portal.
- ❖ Counselling and Performance monitoring through Pragati App.
- ❖ Recognizing High Performers (RHP) and Skill Rack Elite forum for Top Coders.
- ❖ Industry Internship in Curriculum - 1 week in winter & 3 weeks in summer.
- ❖ Co-curricular and Extra-curricular talents are being showcased through 15 Student Clubs right from first year.



- ❖ Motivating students to take part in the Corporate Competitions and Hackathons.
- ❖ 25 students are placed in 2025 Batch with more than 5 LPA with an Average Salary of 5.02 LPA.
- ❖ First Institution in India to receive Recognized Centre for TOEFL Certification Exam.
- ❖ Semester-Long Entrepreneurial Forge Training.
- ❖ 7 Patents Granted and 32 Patents Published.
- ❖ Co-operative Research with TOENEC Corporation, Japan and Nagoya Institute of Technology, Japan for the Research Work Development of High-Performance Fault Diagnostic Method using AI Techniques.
- ❖ Organizing FDPs, Seminars, Workshops, Symposium and Conference every year.
- ❖ Certification in Food Safety by FSSAI.
- ❖ Engaging in outreach initiatives through Unnat Bharat Abhiyan Village Adoption Scheme.
- ❖ Guiding and motivating students to succeed in competitive exams- GATE, UPSC, TNPSC, L&T Build India Scholarship etc.,
- ❖ Creating successful Entrepreneurs in the field of Electrical Engineering: 29 Entrepreneurs & 2 Startups.
- ❖ Encouraging the students to pursue higher studies in India and Abroad.
- ❖ Organizing International Admission Counselling Day for PG Programme and Internship in Universities abroad.
- ❖ Inspiring students for self-learning through NPTEL, Coursera, EdX, Infosys Springboard etc.,

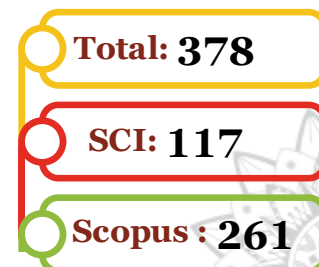
## Faculty Strength



## Patents



## Publications



## Students Achievements



Gunasri received cash prize of Rs.50,000 from RUSA Start up Cafe of Top 25 Teams



Navya N, PRJ Pavin, Harshavardhan S, Logadharshini S & Someshwar S Won a cash prize of Rs.50,000 from Anna University Start up Cafe for their Innovative Project



Dharsan CRA, Received high cash incentive of Rs.75,000 from the honorable YW and SD Minister Udhayanidhi Stalin For placing bronze medal in All India Inter University Soft Tennis Tournament.

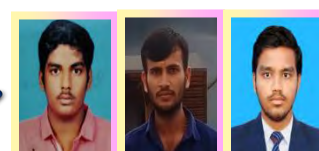


Yuvaraj T, from third year Won silver medal (senior male kumite) in shitoru karate national championship-2024 held at vijaynagar mysore

## Project Grants



Received a Grant of Rs.10,000 from TNSCST



Vignesh Kumar R Ruthran S Dinith N

Praveen S. Parthasarathy S Vimal Kumar V Santhosh Kumar S



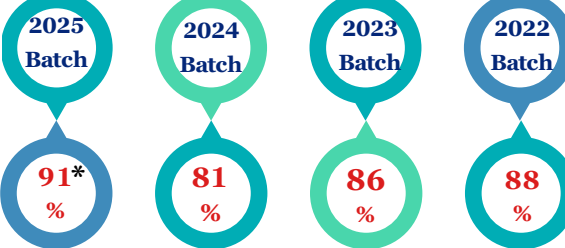
## Placement & Training



## Our Major Recruiters



## Placement Statistics & Higher Studies



\* Placement in Progress

2024 Batch Higher Studies

02 M.S in Monash University-Australia

01 M.S in Bedfordshire University, England

01 M.S in University of Greenwich, England

## Industry Connect

HCL Tech COE

KPIT COE

Bosch COE

Factory Automation COE

## Awards

## Intl. Workshop



Award for Excellence in Engineering Education for Innovative Curriculum Design and Industry Partnerships at the 30th World Education Summit



The Institutional Excellence Award 2024 (Engineering) instituted by The Institution of Engineers (India)



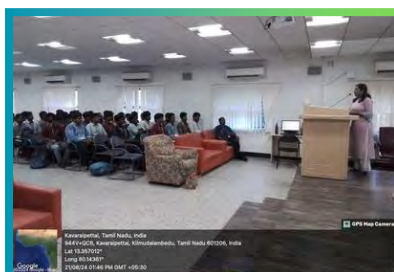
AGM and TISLA AWARD 2024 for the Best Student Chapter by The Institution of Engineers (India).



Dr. YUKIO MIZUNO, Professor, Japan - Special address on "Applications of Artificial Intelligence in Interdisciplinary Field"

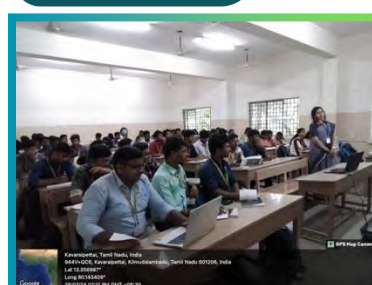
## Guest Lectures

## Industrial Visit



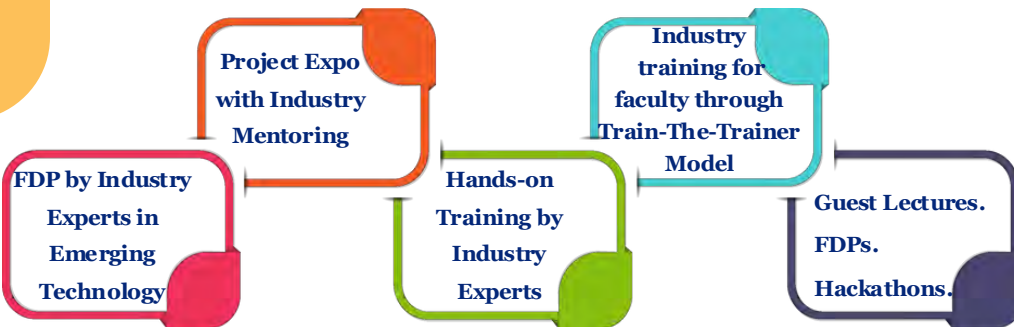
## Domain - FDPs

## Training Session





## CoE Activities



## Distinguished Alumnus



### Dr. Ramesh Babu Chellappan

Visionary Leader Strategy and Business Transformation in the Age of Artificial Intelligence (AI) and Digital Revolution

## MOUs

## Alumni Meet



Mou with Knowledge Foundation-Reutlingen University And German Varisity

San Francisco (23.04.2019), Los Angeles (26.04.2019), Atlanta (29.04.2019), Washington DC (07.05.2019), New York (10.05.2019), UK (19.05.2023)



### Dr. Shrinathan Esaki Muthu Pandara Kone

Researcher Grade - 6 ,

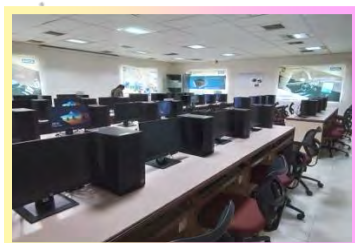
TOYOTA CENTRAL R&D LABS., INC.

JAPAN

## Alumni Testimonial

I completed my UG in EEE from R.M.K. Engineering College in the year 2014. I was a hosteller during my entire stay with RMK. All the facilities including hostel facilities were very good and it was like a home away from home for me. I can't miss thanking my faculty who helped me in taking all major decisions related to my career. With self-effort and by their motivation, I got selected to pursue my MS in Nagoya Institute of Technology, Japan. Currently, I'm working in my dream company Toyota Central R&D, Head Quarters in Japan. Even today, I'm in touch with my faculty from RMK and sharing my happiness at whatever I am today. Currently engaged with RMK as a part of a project team from Nagoya Institute of Technology, Japan.

## State of Art Facilities



Embedded System - COE Lab



AR & VR LAB



AICTE IDEA LAB



Co-Workspace

To know more about EEE



## R.M.K. GROUP OF INSTITUTIONS

(Autonomous Institutions)

Accredited by NAAC/ All the Eligible UG Programs are Accredited by NBA, New Delhi)

R.S.M. Nagar, Kavaraipeetai, Gummidipoondi Taluk, Thiruvallur District Tamil Nadu, India. Pin code - 601 206.

Telephone : 044 - 6790 6790, Fax: 044 - 6790 6791

To Apply Online



For Further Details & Admission Enquiry Registration Visit

[www.rmkec.ac.in](http://www.rmkec.ac.in)

