



# R.M.K. ENGINEERING COLLEGE

(An Autonomous Institution)  
(Approved by AICTE & Affiliated to Anna University)



**TNEA 1113**

## B.E. MECHANICAL ENGINEERING

*" We Transform Skills and Enhance  
Your Competencies for a Sustainable Career "*

**Knowledge Partner**



### **Honours Degree**

**(18 Credits) in**

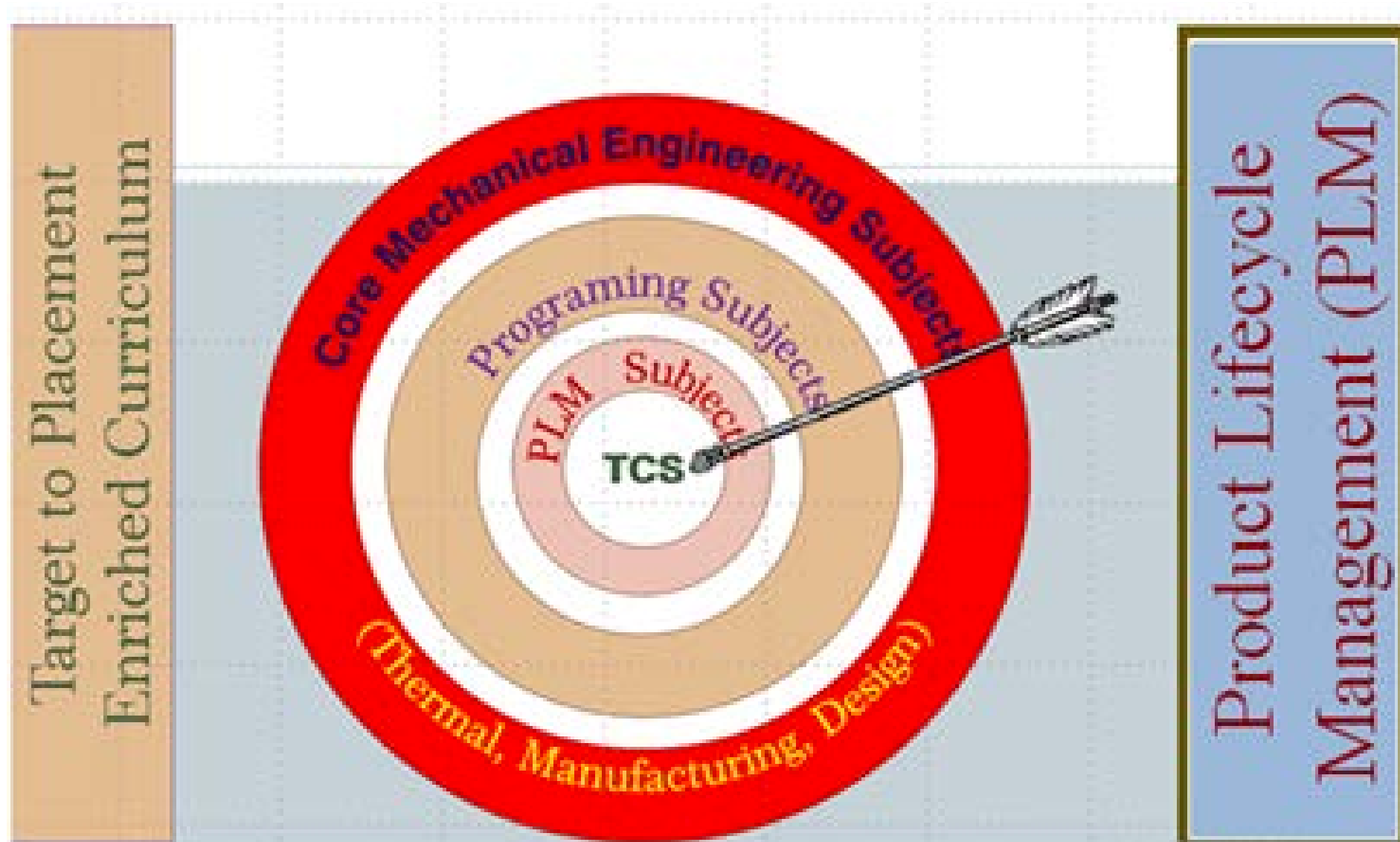
- *Product Life Cycle Management*
- *Robotics and Automation*

### **Minor Degree**

**(18 Credits) in**

- *Robotic Applications*
- *Automotive Systems*

### **PLM Learning Path**



### **Roadmap to PLM**



## **What Makes B.E - Mechanical Engineering Unique at R.M.K.?**

- ❖ Accredited by NBA & NAAC with A+ Grade and All India Ranking in NIRF 2024: 151-200 Rank Band.
- ❖ Recognized Research Centre under Anna University, Chennai.
- ❖ Received the Best Industry Linked Institute National Level Award from AICTE - CII Survey across the Country (2019).
- ❖ Mechanical Engineers have more prospects to work in multidisciplinary projects in the niche areas in the Core / ITES / IT Jobs.
- ❖ Mechanical engineers are highly sought after for specialized master's programs abroad, including fields like industrial automation, electric vehicles, cyber-physical systems, and industrial robotics, offered by prestigious universities.
- ❖ Mechanical Engineering domain facilitates to evolve as a successful Entrepreneur with leadership skills in their Innovative Business Plans.
- ❖ Our Knowledge Partner, TCS designs 40% of Curriculum and Syllabus for B.E., Mechanical Engineering. Most of the Courses in the Curriculum are Practicum Integrated Courses in the niche areas.
- ❖ First Institution in Tamil Nadu to implement AI-driven learning platform RMK Nextgen for students to imbibe Personalized Learning Experience.
- ❖ Consistently above 80 % placement over a decade, offering the highest salary package of ₹ 8 Lakhs Per Annum and more than 20% of students pursuing higher studies in USA, UK, Germany, Australia and Canada.
- ❖ Providing individualized attention through ongoing monitoring of academic progress, placement activities, and counselling support (16 students for every Counsellor).



# Salient Features

- ❖ An ISO 21001:2018 Certified Institution
- ❖ Transitioning 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 and Project-Based Learning.
- ❖ Minor degree in Robotic Applications, Automotive Systems and Honors degree with specialization in PLM, Robotics and Automation offered in the new regulation 2024.
- ❖ Collaborative activities with TCS & Stellantis Digital Hub-India.
- ❖ State-of-the-art Infrastructure with modern laboratory.
- ❖ Digital Course Materials designed and developed by our faculty team.
- ❖ Counselling and Performance Monitoring through Pragati App.
- ❖ Skillrack platform to enhance aptitude and coding skills for campus recruitment.
- ❖ Practicum Sessions through iamneo NeoCoLab Portal
- ❖ 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



- ❖ Achievements of students in Corporate Competitions and Hackathons
- ❖ 46 students are placed in 2024 Batch with more than 5 LPA; Average Salary: 5.4 LPA.
- ❖ Organizing Industrial Visits to Wheels India, Kobelco, Excel Die Castings, Madras Engineering Industries.
- ❖ First Institution in India to receive Recognized Centre for TOEFL Certification Exam.
- ❖ Semester-Long Entrepreneurial Forge Training.
- ❖ Organizing FDPs, Seminars, Workshops, Symposium every year.
- ❖ Online Certifications – Coursera, EdX, NPTEL, Udemy, etc.
- ❖ Certification in Food Safety by FSSAI.
- ❖ Engaging in outreach initiatives through the Unnat Bharat Abhiyan Scheme.



Mr. L. Mukesh Narayanan  
1st Rank holder (CGPA : 9.27) was  
awarded the degree by Dr. V.  
Kamakoti, Director IITM on  
08.01.2023



RMKEC Team during the Final  
Phase of SAE BAJA 2023 - A  
National Level ATV Design  
Competition, held at Pithampur,  
Madhya Pradesh during 15th to  
19th Feb 2023.



Rs.1 Lakh Awarded for the  
project  
(Amount earned through  
Patent) -2018



AICTE - CII Award 2019 - Best  
Industry - linked Institute for  
Mechanical Engineering & Allied  
Course Convention



Aerotech Ascenders - A  
Team of Mechanical  
Engineering students won  
the 3rd prize (Rs.20,000) for  
Overall Performance - 2023



TOYCATHON 2022 from 24 -  
25 May 2022 Team UDIRAAZ,  
Won rewarded with the Cash  
Prize of Rs.25,000



SAE BAJA 2023 -RMK Team  
"Upshifters" qualified Final  
Events at Pithampur, Madhya  
Pradesh.



Mr. ANAND RAJ R,  
MECH Dept., received "ISTE TN  
Section Best Student Award  
2022"



Students Visit to ATAL Tunnel  
Under YUVAK Scheme during  
Nov' 2021



A Team of 25 Students of Mechanical  
Engineering participated in the Phase 3  
Events of SAE BAJA 2022 - A National  
Level ATV Design - one among the  
finalist in this National Event.



# Placement and Training

- 80 % Consistent Placement
- 100% Internships
- 98 Companies Visited
- 1002 hours & 360° Placement Training
- 8 Lakhs Highest Package

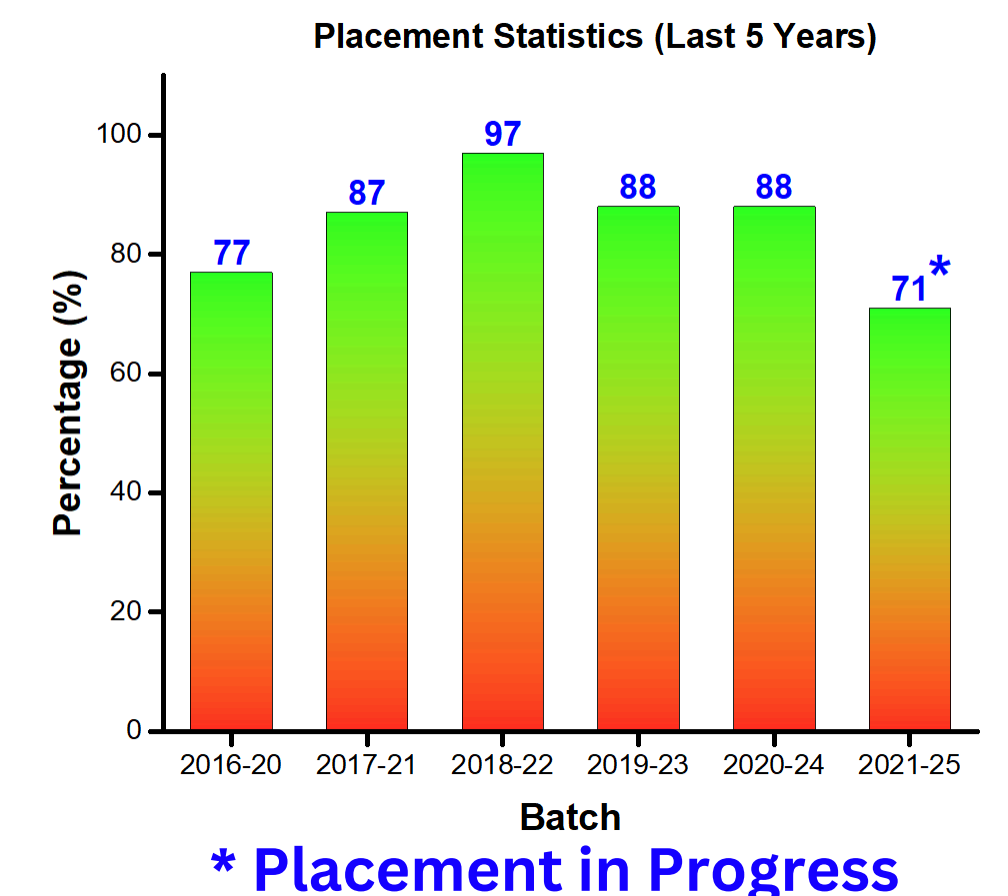
## Our Major Recruiters



## Placement Training

1002 Hours of Phased Training Programs			
Career Pathway Counseling 12 Hours	Pathway to Become Engineer 12 Hours	Recruitment Readiness Workshop 12 Hours	Life Skills Workshop 6 Hours
Corporate Specific Training 60 Hours	Employability Readiness Assessment 24 Hours	Business English Certification 60 Hours	Become an Entrepreneur 12 Hours
Placement Preparation Practice 480 Hours	Engineering Orientation 6 Hours	Master Codes Webinar 150 Hours	Problem Solving 168 Hours

## Placement Statistics



## Industry Connect

### Centres of Excellence

### Industry Sponsored Laboratories



CNC ROUTER - ET PCPTR Servo - Advance



LASER CUTTER DM 1390



Creatobot - 3D Printer



Calibri Mini - 3D Scanner



Pratham 5.0 - 3D Printer



Pratham Desktop - 3D Printer



### France Universities MoU



Interaction with TCS Experts during Syllabus Review Committee Meeting



PLM CoE Industry interaction with Expert members from Stellantis Digital Hub-India



### International Admission Counselling Day



## CoE / Knowledge Partner Activities

- ❖ Internship is provided for selected students by expert team of TCS, Stellantis.
- ❖ Trained students are recruited by TCS, Stellantis
- ❖ Guest Lectures
- ❖ Faculty Development Programme
- ❖ Hackathons
- ❖ Hands-on training by Industry Experts
- ❖ Project Expo with Industry Mentoring
- ❖ Product Development & Startup Registration Mini-project
- ❖ MoUs signed with industries like TCS, HCL, Infosys, Soliton Technologies Private Limited, KPIT Technologies Ltd., Western Thomson (India) Limited, Thejo Engineering Limited, etc.
- ❖ Faculty training through Train-the-Trainer Model
- ❖ Faculty Certification by industry

## Faculty Awards & Certifications





# Distinguished Alumni



**Mr. V.S. Anand**  
(1995-1999 Batch)  
Chief Engineer, Saipem Projects  
Perungudi, Chennai



**Mr. Karthick Kamalakannan**  
(2013-2017 Batch)  
Director,  
K2 Footprints., Chennai.



**Mr. Venkatesh Jayaraman**  
(1996-2000 Batch)  
Senior Manager, Capgemini,  
Chennai.



**Mr. D. Darwin Raj**  
(2013 - 2017 Batch)  
Senior Engineer - PLM  
L&T Technology Services, Chennai



**Mr. M. Arun Narayan**  
(2005-2009 Batch)  
Assistant Vice President,  
Business Strategy, Chennai



**Mr. Naveen Kumar C**  
(2010-2014 Batch)  
IT Analyst - PLM,  
TCS Ltd., Chennai.



**Mr. G. Kodaiyarasu**  
(2014-2018 Batch)  
Spark Minda, Manufacturers of  
Automotive Components



**Mr. Dinakaran M D**  
(1995-1999 Batch)  
Senior Engineer (R&D),  
Illumina, Singapore

## Alumni Testimonials



**Mr. SATHISH N**  
(2012-2016 Batch)  
Louvers R&D Engineering Lead,  
Ruskin Company, USA

I'm a proud alumnus of RMK Engineering College (2012-2016 Mechanical Engineering). The passionate faculty, practical learning, and enriching guest lectures were invaluable. I'm deeply grateful for their guidance and the Placement team's efforts. RMKEC's culture instilled core values like humility, discipline, and perseverance, shaping my personal and professional life. The serene campus added to the positive experience, making it a significant career steppingstone.



**Mr. MOHAMMED AMEEN**  
(2009- 2013 Batch)  
Piping Specialist Lead,  
Saipem India Projects Pvt. Ltd.

My journey of 1000 miles began on September 2, 2009, with a motivating quote from our chairman, Mr. R.S. Munirathinam. The foundation for my leadership skills was laid during my college days through workshops, seminars, and events. Graduating as the university topper in 2013 was due to my professors' support. The state-of-the-art infrastructure, brilliant mentors, and high-tech equipment at RMK were crucial. Extracurricular courses and management's motivation played key roles. Chairman's dream inspired me to strive for success.

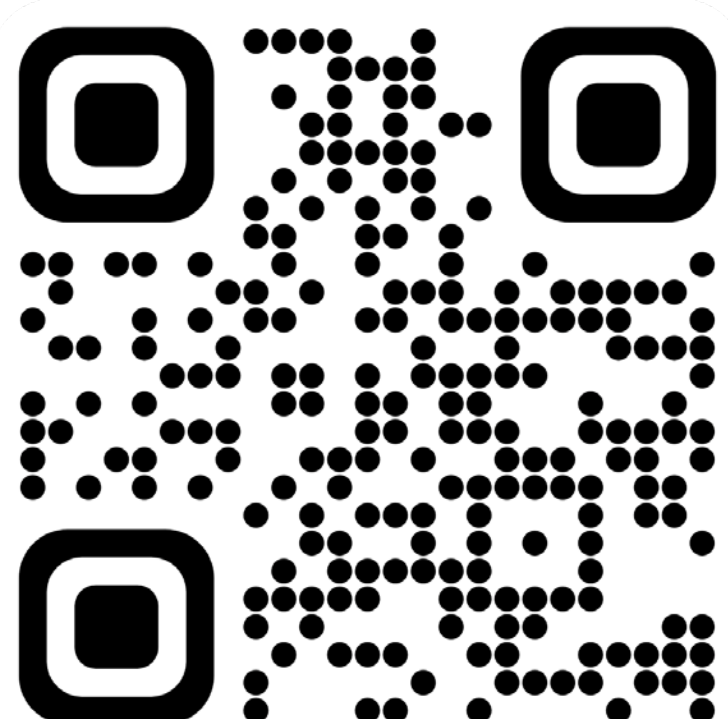
## Alumni Meet at USA & UK



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

London  
(19.05.2023)

To know more about  
Mechanical Engineering



For Further Details & Admission Enquiry

## 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,  
Tiruvallur District Tamil Nadu, India. Pin code - 601 206.  
Telephone : 044 - 6790 6790, Fax: 044 - 6790 6791

Follow us on @rmkecpinical

for further details: <https://www.rmkec.ac.in/2023/>

To Apply Online

