

## DEPARTMENT OF MECHANICAL ENGINEERING



### EDITORIAL STUDENT MEMEBER:

Mr.M.Hari Prashath  
Mr.S.Suriya Sakthi  
Mr.P.Manivel

### EDITORIAL FACULTY MEMEBER:

Mr.K.Kaviyaran  
AP/MECH



### INSTITUTION VISION AND MISSION:

#### VISION:

- To impart quality technical education emphasizing innovations and research with social and ethical values.
- Establishing state-of-the-art infrastructure, effective procedures for recruitment of competent faculty and innovative teaching practices.

#### MISSION:

- Creating a conducive environment for nurturing innovative ideas and encouraging research
- Inculcating social and ethical values through co-curricular and extra curricular activities.

# HOD's MESSAGE

Greetings from the Department of Mechanical Engineering! Our department is committed to fostering innovation, technical excellence, and sustainability. I am proud of the remarkable achievements of our students and faculty in academics, research, and industry collaborations, which reflect their dedication and teamwork. Together, let us continue to excel and make a positive impact on society through engineering.

**"Innovate, Engineer,  
Transform Future."**





# DEPARTMENT VISION AND MISSION

## OUR VISION

- To create innovative, entrepreneurial and socially committed Mechanical Engineers to meet industrial demands.



## OUR MISSION

- Developing core competency in Mechanical Engineering through state-of-the-art facilities and effective teaching practices.
- Encouraging and nurturing research and promoting entrepreneurial endeavors.
- Instilling social and ethical values through extension activities.

# MOU SIGNED



Department of Mechanical Engineering has signed a Memorandum of Understanding (MoU) with **Macbro Technology Pvt. Ltd.** on **27th September 2023**. This collaboration aims to enhance industry-academia interactions through joint projects, internships, workshops, and research initiatives, ensuring our students are well-prepared for real-world challenges.



# FACULTY MEMBERS LIST

Dr.P.Manimaran

Dr.S.Goshteeswaran

Dr.A.Saiyathibrahim

Mr.S.N.Vijayan

Mr.K.P.Harshavardhan

Mr.P.Prakash

Mr.R.Ramesh Babu

Mr.A.J.Infant Jegan Rakesh

Mr.M.Pradeep

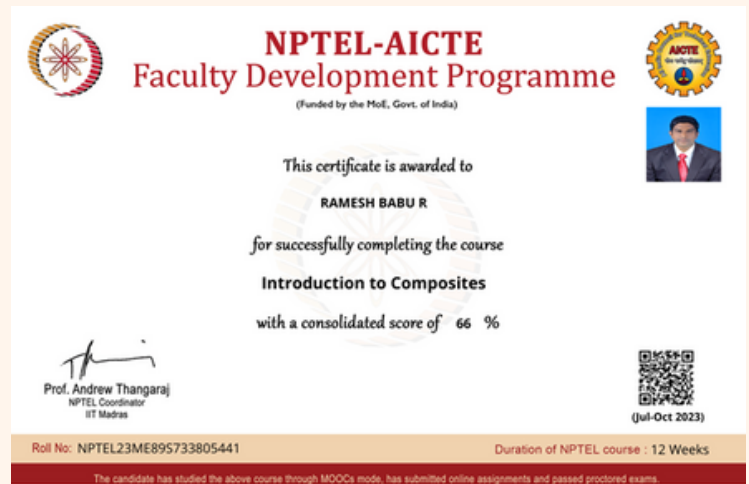
Mr.R.Murali krishnan

Mrs.K.Thriveni

Mr.K.Kaviyarasan




# FACULTY ACHIEVEMENTS



Mr. R. Ramesh Babu successfully completing the Introduction to Composites course under the esteemed NPTEL-AICTE Faculty Development Programme and earning the prestigious title of NPTEL Discipline Star in Mechanical Engineering for the Jul-Dec 2023 term.






 **NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)


This certificate is awarded to  
**PRADEEP M**  
for successfully completing the course  
**Metal Additive Manufacturing**  
with a consolidated score of **49** %


Online Assignments	17.19/25	Proctored Exam	31.5/75
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Total number of candidates certified in this course: **396**


  
Prof. B. V. Ratish Kumar  
Chairman, Centre for Continuing Education  
IIT Kanpur

Jul-Oct 2023  
(12 week course)

  
Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur


 Indian Institute of Technology Kanpur



Roll No: NPTEL23ME92S733805405 To verify the certificate  No. of credits recommended: 3 or 4

**Mr. M. Pradeep** successfully completing the 12-week Metal Additive Manufacturing course under NPTEL. Your dedication to advancing skills in cutting-edge technology is truly commendable.



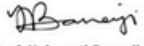
 **NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)


This certificate is awarded to  
**VIJAYAN S N**  
for successfully completing the course  
**Accreditation and Outcome Based Learning**  
with a consolidated score of **49** %

Online Assignments	12/25	Proctored Exam	36.75/75
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Total number of candidates certified in this course: **1356**

Aug-Oct 2023  
(8 week course)

  
**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur

 Indian Institute of Technology Kharagpur

FREE ONLINE EDUCATION  
**swayam**  
— Online world, open world —

Roll No: NPTEL23GE46S733802080 To verify the certificate  No. of credits recommended: 2 or 3


**Mr. S.N.Vijayan** successfully completing the 8-week Accreditation and Outcome Based Learning course under NPTEL.





# STUDENTS ACHIEVEMENTS

Name of The Student	Name of The Event	Name of The College	Achievement
Suriya Sakthi S	CAD Carnival	Sahyadri College of Engineering and Management	First Prize
Suriya Sakthi S	CAD Carnival	Jai Shriram Engineering College Coimbatore	First Prize
Suriya Sakthi S	CAD Modeling	P.A College of Engineering Pollachi	First Prize
Sri Vignesh B	Dirt Rash Event	Sri Ramakrishna Engineering College, Coimbatore	Second Prize
Suriya Sakthi S	CADATHON	PSG College of Technology Coimbatore	Runner



<b>Name of The Student</b>	<b>Name of The Event</b>	<b>Name of The College</b>	<b>Achievement</b>
Muthu M	Dirt Rash Event	Sri Ramakrishna Engineering College, Coimbatore	Second Prize
Rajkumar S	Dirt Rash Event	Sri Ramakrishna Engineering College, Coimbatore	Second Prize
Abdul Ansaf A	Dirt Rash Event	Sri Ramakrishna Engineering College, Coimbatore	Second Prize
Bharthiswaran R	Dirt Rash Event	Sri Ramakrishna Engineering College, Coimbatore	Second Prize
Rajamanikandan M	Dirt Rash Event	Sri Ramakrishna Engineering College, Coimbatore	Second Prize

**"Achievement unlocked through dedication and hard work the foundation of future success"**



**KARPAGAM**  
INSTITUTE OF TECHNOLOGY  
Inspiring Innovation  
Approved by AICTE and Affiliated to Anna University  
Accredited with A++ by NAAC  
(An ISO 9001:2015 and ISO 14001:2015 Certified Institution)

*Hearty*  
**Congratulations!**




Our Racing Team **Black Piston** of the Department of Mechanical Engineering have **WON SECOND PRIZE** with a cash award of **Rs.7,500** in National Level Bike Event (Mequest '23 Dirt Rash)

**BLACK PISTON TEAM MEMBERS**


<b>Rajamanikandan M</b> (III Mech)	<b>Abdul ansaf A</b> (III Mech)	<b>Sri vignesh</b> (IV Mech)
<b>Bhartiswaran R</b> (III Mech)	<b>Muthu M</b> (III Mech)	<b>Rajkumar S</b> (III Mech)

**National Level Bike Event (Mequest '23 Dirt Rash)**  
CONDUCTED BY  
**Ramakrishna college of Engineering , Coimbatore**

A roaring applause for Team Black Piston from the Department of Mechanical Engineering, who raced to victory, claiming the Second Prize in the thrilling National Level Bike Event (Mequest '23 Dirt Rash) hosted by Ramakrishna College of Engineering, Coimbatore. This dynamic team—**Rajamanikandan M, Abdul Asnaf A, Sri Vignesh, Bhartiswaran R, Muthu M, and Rajkumar S (III Mech)**—combined engineering brilliance and racing spirit to win a cash prize of **₹7,500**, setting an inspiring benchmark for future innovators.

**"Great teams don't just build machines; they build legacies – Black Piston raced their way into ours."**





**Hearty Congratulations!**



Happy to share that our Mechanical Engineering III year student **Runner Up** with a cash award of **Rs.750** in Flagship (CADATHON) National level of Tech Fiesta held at PSG College of Technology, Coimbatore

**STUDENT**  
**S. SURIYASAKTHI**  
(III MECH)

Flagship (CADATHON) National level of Tech Fiesta  
CONDUCTED BY  
PSG College of Technology, Coimbatore

Karpagam Institute of Technology beams with pride as **S. Suriyasakthi (III Mech)** clinches the Runner-Up position in the prestigious Flagship CADATHON, part of the National Level Tech Fiesta held at PSG College of Technology, Coimbatore.

With a brilliant display of CAD expertise and creative engineering, Suriyasakthi not only brought laurels to the institution but also bagged a **cash award of ₹750**, showcasing the power of innovation and determination.

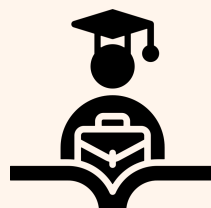
**"Precision and innovation are the gears that drive excellence  
– S. Suriyasakthi proved this by designing his success."**



# INTERNSHIP



The Department of Mechanical Engineering organized a specialized internship for students from Mechanical, Electrical, and Electronics Engineering domains, offering them hands-on experience in the motorsports industry. A total of 30 students participated in this opportunity, which was facilitated by CRA Motorsports (OPC) Pvt. Ltd. during the JK Tyre 250 Cup 2023. The event took place at the Kari Motor Speedway in Coimbatore from August 25 to August 27, 2023. This internship allowed students to engage with the technical and operational aspects of a major racing event, providing them with valuable exposure to the motorsports industry.

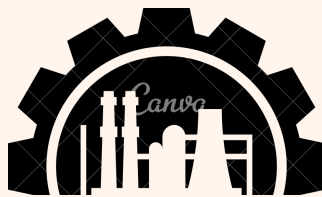


**"Fueling young minds with the speed of innovation, where engineering meets the thrill of motorsports."**

# INDUSTRIAL VISIT



The Department of Mechanical Engineering at Karpagam Institute of Technology organized a one-day industrial visit to Macro Technology India Pvt. Ltd. in Erode for third and final-year BE Mechanical Engineering students. A total of 57 students, accompanied by 2 faculty members, visited the company on October 17, 2023. This visit provided the students with an opportunity to gain firsthand exposure to advanced manufacturing processes, modern technologies, and the operational aspects of a leading industry player, bridging the gap between theoretical knowledge and real-world engineering practices.



**"Bridging the gap between classroom learning and industry reality, one visit at a time."**

# GUEST LECTURES



On behalf of the Department of Mechanical Engineering, a session on higher studies abroad was conducted on August 2, 2023, at 10:00 AM in the Seminar Hall. The session was delivered by Mr. J. Saran, an alumnus of the 2018-2022 batch. It focused on guiding students on how to approach universities for higher education and highlighted the numerous benefits of pursuing a master's degree abroad, providing valuable insights for those considering further studies.



**"Empowering minds to explore the world, one master's degree at a time."**

# GUEST LECTURES



The Department of Mechanical Engineering organized an insightful session on "Opportunities in the Motorsports Industry" for students from the Mechanical, Electrical, and Electronics Engineering domains on August 21, 2023, at 10:00 AM in the Final Year Classroom. The session aimed to introduce students to the diverse and exciting career prospects within the motorsports industry, covering areas such as vehicle design, technology innovation, team management, and event operations. The talk provided valuable insights from industry experts, guiding students on how they can leverage their engineering skills and passion for motorsports to build successful careers in this fast-paced field.



**"Accelerating careers and engineering dreams, one opportunity in motorsports at a time."**



# STUDENTS CORNER



Mr.M.HARIPRASHATH

The experiences and knowledge you gain during your time here will serve as the foundation for your career. The challenges you face, both big and small, will teach you valuable lessons that go beyond technical skills, helping you grow as a professional and an individual. It's not just about what you learn, but how you apply it in the real world. Embrace every opportunity that comes your way, be open to learning, and always strive for excellence. Remember, success is a journey, not a destination. Stay focused, stay curious, and the future will unfold with endless possibilities for those who are ready to work hard, stay dedicated, and push the boundaries of what they thought was possible. The path may not always be easy, but with perseverance and the right mindset, you can overcome any obstacle and achieve greatness.



**Mr.K.ANANDHARAJ**

Looking back at my journey, I can confidently say that every step I took, every challenge I faced, and every lesson I learned during my time here has played a significant role in shaping who I am today. The knowledge gained in classrooms was just the beginning; it was the practical experiences, teamwork, and problem-solving skills that truly prepared me for the real world. To all current students, don't just focus on what you're learning, but also how you can apply it to solve real-world problems and make a difference. Be proactive, stay curious, and embrace every opportunity that comes your way, even if it feels uncertain. It's important to step out of your comfort zone and keep learning, because growth happens when you push your limits. Your hard work, resilience, and willingness to learn will pay off, and remember, the road to success is never straight. Every challenge, failure, and setback is an opportunity to grow and come back stronger. Stay focused on your goals, and the future will unfold with endless possibilities.



**Mr.R.GURUPRAKASH**

Reflecting on my time here, I realize how crucial those years were in shaping my career and personal growth. The experiences I had, both inside and outside the classroom, helped me develop the skills needed to navigate the challenges of the professional world. The key to success is not just the knowledge you gain, but how you apply it with passion and determination. To all current students, take full advantage of every opportunity to learn, grow, and expand your horizons. Don't be afraid to make mistakes—each one is a lesson that brings you closer to your goals. Stay focused, keep pushing your boundaries, and remember, the journey is just as important as the destination. The foundation you're building now will lead you to endless possibilities, and the future is yours to create.



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**Let the future tell the truth and evaluate each one according to his work and accomplishments. The present is theirs; the future, for which I have really worked, is mine.**

