

ADVISORS

Rev.Sr.B.Hamlet,M.E.,
Administrator

Dr.M.Rajkumar,M.E.,Ph.D.,
Principal

CONVENOR

Mr.R.Siddharthan,M.E.,[Ph.D]
HOD/MECH/JPCOE

CO-ORDINATORS

Dr.K.Arumuganainar,M.E.,Ph.D.,
AP/MECH- 6369357226

Dr.K.Rajkumar,M.E.,Ph.D.,
AP/MECH- 8072216063

COMMITTEE MEMBERS

Mr.S.Samy,M.E.,
AP/MECH

Mr.S.Raja,M.E.,
AP/MECH

Mr.V.Ganesan,M.E.,[Ph.D]
AP/MECH

Mr.C.Rajasekaran,M.E.,
AP/MECH

Mr.I.Ayyanraj,M.E.,
AP/MECH

Mr.A.Jeyaram,M.E.,
AP/MECH

ABOUT THE COLLEGE

J.P College of engineering [JPCOE] was started in the year 2008. JPCOE is a self-financing, co-educational Engineering College and it's approved by AICTE, Accredited by NAAC with "A" Grade and Affiliated to Anna University, Chennai. JPCOE currently Offers 7 UG courses in Engineering Namely,

- 1.Artificial Intelligence & Data Science
- 2.Civil Engineering
- 3.Computer Science and Engineering
- 4.Electronics & Communication Engineering
- 5.Electrical & Electronics Engineering
- 6.Information Technology
- 7.Mechanical Engineering

The Institute has well qualified and Experienced Staff team creating an ambience for quality education. The entire campus is always very clean greenery.

ABOUT THE DEPARTMENT

The department was established in the year 2009 to start a four year B.E. - Mechanical Engineering program. We are hereby providing our students with a perfect blend of intellectual and practical experiences that help them serve our society and address a variety of needs. At the end of the programme, students are not only industry ready but also well placed to opt for higher studies. Undergraduates are well placed in leading industries as well as in the higher education and research level institutions of National and International recognition in India and abroad. Our website will catch you up with the information about the different research facilities, academic programmes offered and the faculty who are contributing to the department to make it successful.



J.P. COLLEGE OF ENGINEERING

[RUN BY DMI SISTERS]

COLLEGE ROAD, AYIKUDY, TENKASI-627852

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited with "A" Grade & An ISO 9001:2015 Certified Institution



**DEPARTMENT OF MECHANICAL
ENGINEERING**

PROUDLY ORGANIZES



**FIVE DAYS ONLINE FACULTY
DEVELOPMENT PROGRAMME ON**

**“Advanced
Approaches in
Mechanical
Engineering
Research”**

DATE

03.02.2025-07.02.2025

TIME

6.30 PM TO 7.30 PM

More Information

www.jpcoe.ac.in

ABOUT THE COURSE

This course explores the integration of multiple disciplines within mechanical engineering to solve complex real-world problems. By embracing knowledge from fields such as materials science, computer science, electrical engineering, biology, and environmental studies, students and researchers will learn innovative ways to approach challenges in design, analysis, and manufacturing. The course emphasizes collaborative research, emerging technologies, and sustainable solutions, fostering a holistic understanding of mechanical engineering's role in modern industries.

COURSE OUTCOMES

- **Apply Interdisciplinary Approaches:** Integrate concepts from various fields such as materials science, computer science, and environmental science to solve mechanical engineering problems.
- **Utilize Emerging Technologies:** Use advanced tools like AI, robotics, and additive manufacturing to develop innovative solutions in mechanical engineering.
- **Collaborate Across Disciplines:** Work effectively in multidisciplinary teams to approach complex engineering challenges.
- **Conduct Research:** Design and implement research projects that incorporate diverse disciplines, employing appropriate methodologies for data collection and analysis.

TARGET AUDIENCE

- Undergraduate and Graduate Students
- Researchers
- Industry Professionals
- Engineers and Technologists
- R&D Teams

REGISTRATION FEE

Registration is free for all the participants. The number of Participants Limited to 100 and selection is first -come- first -serve basis

REGISTRATION LINK

<https://forms.gle/trDK9SLtU32sRZNZA>



IMPORTANT DATES

LAST DATE FOR THE REGISTRATION: 01.02.2025

INTIMATION OF SELECTION: 02.02.2025

CONFIRMATION BY PARTICIPANTS- 02.02.2025

FDP SCHEDULE

DAY-01

Dr. P. Selvan

Assistant Professor (Sr. Grade)
Department of Mechanical Engg.
Mepco Schlenk Engineering College,
Sivakasi.

TOPIC: Current Trends in Advanced Energy Storage Technologies



DAY-02

Mr. K. Kandakodeeswaran

Assistant Professor (Sr. Grade)

Department of Mechanical Engg.
Mepco Schlenk Engineering College,
Sivakasi.

TOPIC: Fundamentals and Mechanics of Composite Materials



DAY-03

Mr. R.Siddharthan

Assistant Professor

Department of Mechanical Engg.
J.P.College of Engineering,Tenkasi

TOPIC: Recent Advancements in Additive Manufacturing



DAY-04

Dr. K.Arumuganainar

Assistant Professor

Department of Mechanical Engg.
J.P.College of Engineering,Tenkasi

TOPIC: Exploring the Role of Nano-Refrigerants in VCR for Performance Enhancement-With Practical Research"



DAY-05

Dr. K.Rajkumar

Assistant Professor

Department of Mechanical Engg.
J.P.College of Engineering,Tenkasi

TOPIC: Advancements in Biofuels and Nano Additives for Sustainable Energy Solutions

