



SRM MADURAI

COLLEGE FOR ENGINEERING AND TECHNOLOGY

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai



COLLEGE CODE : 9111

COUNSELLING CODE : 5842

Department of Mechanical Engineering & Quality Circle Forum of India (QCFI)



JOINTLY ORGANIZE A



FACULTY DEVELOPMENT PROGRAM ON

"RESEARCH SCOPES IN MECHANICAL ENGINEERING"

02.01.2025 & 03.01.2025

Event Speakers



DR. S. DENIS ASHOK
Professor

School of Mechanical Engineering, VIT, Vellore
Recent Trends in Additive Manufacturing



Dr.S.KARTHIKEYAN
Professor & Head

Department of Mechanical Engineering
Syed Ammal Engineering College, Ramanathapuram
Recent trends in biofuels



Dr. K. ARUNPRASATH
Associate Professor

Department of Mechanical Engineering
PSN College of Engineering & Technology Tirunelveli
*Fabrication and Application of Natural Fiber Polymer Composite
for industrial application*



Dr. G. R. RAGHAV
Associate Professor

Department of Mechanical Engineering
SCMS school of Engineering & Technology
Ernakulam, Kerala
Recent advances in polymer matrix composites

Registration Link : <https://forms.gle/NnYwZDGe3YrVZB6PA>

Whatsapp Group Invite Link : <https://chat.whatsapp.com/GkjtEW2jIXDGv9s18heKRx>

Coordinator
Dr.P. SABARINATH
ASP-MECH

Co-Convener
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HoD - MECH

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Session – 1

Recent trends in Bio fuels

The screenshot shows a Google Meet window with a PowerPoint presentation titled "Algae Biofuel - Fuel of the Future" by Dr. S. Karthikayan, Professor & Head, Department of Mech., Engg., Syed Ammal Engineering College. The presentation slide features a circular image of algae in a blue liquid. The meeting interface includes a "People" sidebar on the right with 32 contributors, a "Mute all" button, and a search bar. The bottom of the window shows the meeting ID "qtj-eivj-amp" and a taskbar with various application icons.

The screenshot shows a Google Meet window with a grid of participants. The "People" sidebar on the right shows 42 contributors, including Sabarinath SRM (Meeting host), A DURGA RAJ KUMAR ME, Afx rajan, Allen jeffrey, and Anbazhaan A. The meeting ID "qtj-eivj-amp" is visible at the bottom. The system tray at the bottom right shows the time as 11:49 AM on 02/01/2025.

Session – 2

Recent trends in Additive Manufacturing

The screenshot shows a Google Meet window with a presentation slide on the left and a grid of participants on the right. The slide content is as follows:

- SRM MADURAI COLLEGE FOR ENGINEERING AND TECHNOLOGY**
Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai
- FACULTY DEVELOPMENT PROGRAM ON "RESEARCH TRENDS IN MECHANICAL ENGINEERING"**
02.01.2025 & 03.01.2025
- Research Trends in Additive manufacturing**
- VIT Vellore Institute of Technology**
Dr. S.Denis Ashok
School of Mechanical Engineering
Department of Design and Automation
Vellore Institute of Technology
Vellore-632014

The participant grid includes: Sabarinath SRM, Denis Ashok S, rammohan soundhrapand..., Dr. Srinivasulu Red..., KTM 360, bala guru, and 14 others. The bottom status bar shows the time as 2:03 PM and the meeting ID as dqd-wcve-hnv.

This screenshot shows a Google Meet window with a grid of 24 participants. The participants are arranged in three rows and eight columns. The names visible are: Denis Ashok S, Denis Ashok S/P, N Raja, K. SRIMURTHY, Lokesh kumar, Sabarinath SRM, Dr. Karthik Babu, Santha Venkatesh, KTM 360, GANESH BABU E..., VJeyabalaji SRM, MANIVEL C, P K, SHANMUGAVALL..., Prabu Balaji, Karthik M.k.v, Gnanaraj James, RAJU CHITUPAKA, RAJIEV R, GANESH BABU E..., NISHANT RAJPUT, rammohan sou..., 21 others, and Sabarinath SRM. The bottom status bar shows the time as 2:57 PM and the meeting ID as dqd-wcve-hnv.

Session – 3

Recent advances in polymer matrix composites

The screenshot shows a Google Meet window with a presentation slide titled "UV Analysis". The slide content includes:

- UV Analysis**
- The observation of absorption peaks through UV-spectral analysis makes it a valuable method for confirming the presence of silver nanoparticles (AgNPs) on nanocellulose.
- A graph showing Absorbance (a.u.) vs. Wave length (nm) with a peak at 412 nm. The graph compares AgNPs on CCNFs and AgNPs on CCNCs against Isolated cellulose.

The presentation is being shared by Dr. Raghav G R. The meeting interface shows a grid of participants, including Sri Rama Murthy, venkateshwar..., Lokesh kumar, Karthik M.k.v, gramesh mech, VJeyab: More options, 33 others, and Sabarinath SR... The time is 11:46 AM on 03/01/2025.

The screenshot shows a Google Meet window displaying a grid of participants. The participants visible are:

- Sabarinath SRM
- Dr. Raghav G R
- Praabu balaji
- Samy Nathan
- Sri Rama Murthy ...
- gramesh mech
- venkateshwaran ...
- Gnanaraj James
- P K
- Karthik M.k.v
- MANIVEL C
- BALAJI MANICK...
- SHANMUGAVALL...
- Dr. Karthik Babu
- SREEKANTH A
- Vimalkumar N
- Mahendra Shinde
- VJeyabalaji SRM
- Lokesh kumar
- D.srinivasan see...
- sakthi kumar
- A DURGA RAJ K...
- 19 others
- Sabarinath SRM

The meeting interface shows a grid of participants, including Sabarinath SRM, Dr. Raghav G R, Praabu balaji, Samy Nathan, Sri Rama Murthy ..., gramesh mech, venkateshwaran ..., Gnanaraj James, P K, Karthik M.k.v, MANIVEL C, BALAJI MANICK..., SHANMUGAVALL..., Dr. Karthik Babu, SREEKANTH A, Vimalkumar N, Mahendra Shinde, VJeyabalaji SRM, Lokesh kumar, D.srinivasan see..., sakthi kumar, A DURGA RAJ K..., 19 others, and Sabarinath SRM. The time is 11:54 AM on 03/01/2025.

Session – 4

Fabrication and application of Natural fiber polymer composite for industrial applications

The screenshot displays a Zoom meeting interface. At the top, the presenter is identified as Arun Vijayakumar. The main content is a presentation slide with the following text:

- Injection Molding: Suitable for mass production
- 3D Printing: Emerging trends

The slide includes a diagram of an injection molding machine and a 3D printer. A 3D printed part is labeled 'PLA'. The Zoom interface shows a grid of 24 participant avatars, with Sabarinath SRM highlighted. A 'People' sidebar on the right lists participants, including Sabarinath SRM (Meeting host), A DURGA RAJ KUMAR ME, Allen jeffrey, Anjan Choudhury, ARUUN dj, bala guru, and BALAJI MANICKAM. A notification at the top of the grid states: 'You lost your network connection. Trying to reconnect.'