



DEPT OF MECHANICAL ENGINEERING

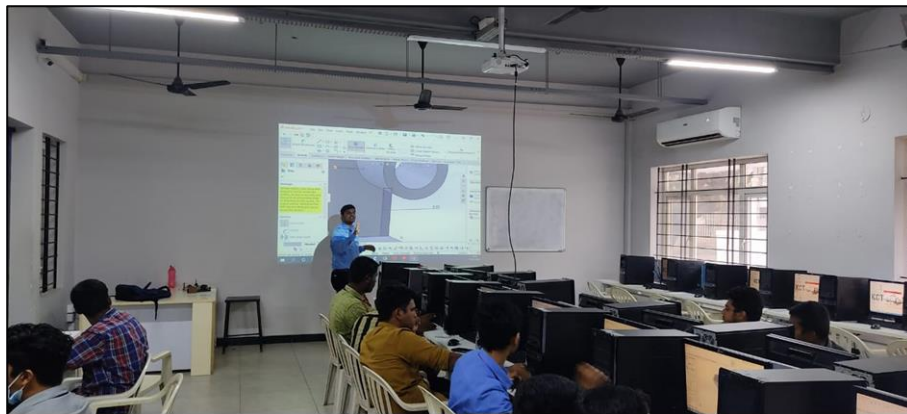
MAY / 2022

✚ As a part of **Yugam 2022**, following programmes were organized by the department

- Workshop on **“Welding Technologies”** on 16-05-2022 in collaboration with the Indian Welding Society. **Dr. Sudharsanam**, R & D Head, Welding Research Institute, was the resource person. **Dr. V. Manivelmuralidaran**, Assistant Professor – II coordinated the workshop.



- Workshop on **“FEA/CFD”** on 18-05-2022 and 19-05-2022. **Mr. Kavi Pratap**, **Mr. Abdullah** from CAD Solutions, Coimbatore, were the resource persons. **Dr. V. R. Murugantham**, Associate Professor and **Dr. M. A. Vinayagamoorthi**, Assistant Professor – II, coordinated the workshop.





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- Workshop on “**Non-Destructive Testing**” on 20-05-2022. **Mr. Manivannan, Mr. Senthil Kumar** from Super Quality Services were the resource peoples. **Dr. V. R. Muruganatham**, Associate Professor and **Dr. M. A. Vinayagamoorthi**, Assistant Professor – II, coordinated the workshop.



- Workshop on “**PLM**” on 20-05-2022. **Mr. R. S. Mohan Kumar**, Assistant Professor – I of our department was the resource person. **Dr. V. R. Muruganatham**, Associate Professor and **Dr. M. A. Vinayagamoorthi**, Assistant Professor – II, coordinated the workshop.



- Competition on **“CAD-MAD”** on 20-05-2022. **Dr. V. R. Muruganantham**, Associate Professor and **Dr. M. A. Vinayagamoorthis**, Assistant Professor – II, coordinated the workshop.



- Competition on **“RC Extreme”** on 21-05-2022. **Dr. V. R. Muruganantham**, Associate Professor and **Dr. M. A. Vinayagamoorthis**, Assistant Professor – II, coordinated the workshop.





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- A workshop on “Computational Fluid Dynamics” was organized by the department on 25-05-2022. **Dr. Sandeep Mouvanal**, Senior researcher, Nottingham University, UK was the resource person. **Dr. V. Manivelmuralidaran**, Assistant Professor – II and **Mr. S. Ramanathan**, Assistant Professor – II, coordinated the workshop.

Zoom Meeting

Manivel Muralid... Flowthermolab... Vivek Kumar Ku...

Thermal Management

Li-ion Battery needs the comfort just like we human being !!!

Electric Motor cooling system
Internal combustion engine cooling system
Battery pack cooling system

*X.Tao (2016)

Power limits

Discharge: Slow chemistry, Degradation, Thermal runaway (self-heating)

Charge

15°C, 30°C, 70°C T

Desired operating Temperature

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FlowThermoLab

Participants (19)

MM Manivel Muralidaran (Me)
FP Flowthermolab Pvt L... (Host)
A Akash b 18BME222
DR Dharshan R
FP Flowthermolab Pvt Ltd
GD Gideon Devairakkam S
HR Hari Rajulu.S
JS Jaishankar S
JB Jeeva Bharathi
MADHAVAN G S
M Manish
P Prabhakar
R Roshan
SK SANJAI KUMAR A D
V VENKATESANU

Invite Unmute Me