



# Gokaraju Rangaraju Institute of Engineering and Technology

An Online One Week Faculty Development Program on

**Advances in Mechanical Engineering with an Emphasis on AI (AMEAI-2021)**

(15<sup>th</sup> Mar – 20<sup>th</sup> Mar 2021)

**DEPARTMENT OF MECHANICAL ENGINEERING**

Date	Time	Activity	Presentation Topic
<b>DAY1 (15/03/2021) Monday</b>	9.00 AM to 10.00AM	<b>Inaugural function:</b> Theme of FDP program by Convener <b>Dr. K Venkateswarlu</b> <b>Speeches by</b> <b>Sri. M.G Sekharam</b> CEO <b>Dr. J.N Murthy</b> Director <b>Dr. J Praveen</b> Principal <b>Dr. N Sateesh</b> Head, Dept. of Mechanical Engineering	
	10.00 AM- 11.30 PM	<b>Dr. Sriram Venkatesh</b> Professor Dept. of Mechanical Engg. OU Hyderabad	Live demonstration on 3D printing
	2.00PM- 3.30 PM	<b>Dr. Raja Banerjee</b> Professor Dept. of Mechanical Engg. IIT Hyderabad	Some Perspective on Using Butanol as an Alternative Fuel for IC Engines
<b>DAY 2 (16/03/2021) Tuesday</b>	10.00 AM- 11.30 PM	<b>Dr. S.K. Singh</b> Professor Dept. of Mechanical Engg. GRIET Hyderabad	High temperature forming of materials
	2.00 PM- 3.30 PM	<b>Dr. L. Shiva Ram Krishna</b> Associate Professor Dept. of Mechanical Engg. OU Hyderabad	Case studies on biomedical applications of 3D printing

<b>DAY 3 (17/03/2021) Wednesday</b>	10.00 AM- 11.30 AM	<b>Dr. G.Naga Srinivasulu</b> Associate Professor Dept. of Mechanical Engg. NIT Warangal	Fuel Cell Fundamentals and Flow field plated design
	2.00 PM- 3.30 PM	<b>Dr. Kishalay Mitra</b> Professor and HOD Dept. of Chemical Engg. IIT Hyderabad	Artificial Intelligence



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<b>DAY 4</b> (18/03/2021) Thursday	10.00 AM- 11.30 AM	<b>Dr. J. Arunehru</b> Assistant Professor Dept. of CSE SRM SIT Chennai	Artificial Intelligence
	2.00 PM- 3.30 PM	<b>Dr. Chilla Damodara Reddy</b> Senior Scientist IHPC Singapore	Recent developments in Low Dimensional Materials
<b>DAY 5</b> (19/03/2021) Friday	10.00 AM- 11.30 AM	Mr. B.G. Nanda Gopal Scientist F DRDO Bengaluru	Manufacture of aircraft components with a hint of AI
	2.00 PM- 3.30 PM	<b>Dr. R.T.Nayak</b> Senior Scientific Officer Dept. of Mechanical Engg. IISc.Banglore	Combustion in IC Engines
<b>DAY 6</b> (20/03/2021) Saturday	10.00 AM- 11.30 AM	<b>Dr. P. Anil Kumar</b> Scientist F DRDO	Applications of FEM
	11:30AM to 12:30PM	<b>Valedictory function:</b> Coordinated by Co-convener Mr. K Sunil Kumar Reddy <b>Sri. M.G Sekharam</b> CEO <b>Dr. J.N Murthy</b> Director <b>Dr. J Praveen</b> Principal <b>Dr. N Sateesh</b> Head, Dept. of Mechanical Engineering <b>Vote of thanks</b> by Convener	