

**Institute of Road and Transport Technology, Erode, TN**  
**Department of Mechanical Engineering**

AICTE Sponsored Online STTP on

**Additive Manufacturing of Multi-functional Nanocomposites**

21.06.2021 to 25.06.2021

	Session 1	Session 2	Session 3	
	9.30 am to 11.00 am	11.30 am to 1.00 pm	2.00 pm to 3.30 pm	
21.06.2021 Monday	Inauguration - Composites and Generative design	Additive Manufacturing: Future Perspectives and Challenges	Aerospace Metal 3D Printing	
	Dr Mukul Shukla, Professor, NIT, Allahabad	Dr P K Jain, IIITDM, Jabalpur	Dr Ram Prabu, DRDO, Bangalore	
22.06.2021 Tuesday	Graphene and its composites	Design for Additive Manufacturing	Multi-functional Composites	
	Dr T Theivasanthi, Kalasalingam University, Krishnankoil	Dr Mohammad Taufik, NIT, Bhopal	Dr. Ramesh Gupta Burela, SNU, Greater Noida	
23.06.2021 Wednesday	Opportunities and Technological Challenges in Metal Additive Manufacturing	Fused Deposition Modelling: Materials and Scope	Strategies for nanomaterial addition in extrusion-based 3D printing	
	Dr K R Ravi, IIT Jothpur	Dr Vijay Tambrallimath, Dayananda Sagar College of Engineering, Bangalore	Dr Vishal Francis, LPU, Punjab	
24.06.2021 Thursday	Retrofitment of CNC machining centre for additive manufacturing of elastomeric materials: opportunities and challenges	Micro Mechanical inhibition for 3D printing of Metals and Plastics	Innovative applications of Additive Manufacturing	
	Dr Narendrakumar, NIT, Jalandhar	Dr T Rangaswamy, GEC, Mosalehosalli, Hassan	Dr L Siva Rama Krishna, Osmania University, Hyderabad	
25.06.2021 Friday	Case study - PC-ABS based graphene filled polymer nanocomposite synthesized by FDM process	Polymer composite processing in Additive Manufacturing and some innovative case studies	NEP - Guidelines & Implementation Practices in Engineering Education	Online Test
	Dr Vijay Tambrallimath, Dayananda Sagar College of Engineering, Bangalore	Dr Narendrakumar, NIT, Jalandhar	Dr P Malliga, NITTTR, Chennai	

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