

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

AICTE Sponsored Online STTP on

**Additive Manufacturing of Multi-functional Nanocomposites**

23.08.2021 to 27.08.2021

	Session 1	Session 2	L u n c h	Session 3	
	9.30 am to 11.00 am	11.30 am to 1.00 pm		2.30 pm to 4.00 pm	
23.08.2021 Monday	Inauguration - Composites Materials & Nanocomposite Materials	Basics of Prototyping and Additive Manufacturing		Demo on FDM Printer	
	Dr P Jeyaraj, NIT, Suratkal	Dr.K.Balamurugan, IRTT, Erode		Dr.K.Balamurugan, IRTT, Erode	
24.08.2021 Tuesday	Graphene and its Composites	Design for Additive Manufacturing		Multi-functional Nanocomposites	
	Dr T Theivasanthi, Kalasalingam University, Krishnankoil	Dr Mohammad Taufik, NIT, Bhopal		Dr. Ramesh Gupta Burela, SNU, Greater Noida	
25.08.2021 Wednesday	Fused Deposition Modelling: Materials and Scope	Strategies for nanomaterial addition in extrusion-based 3D printing		NEP - Guidelines & Implementation Practices in Engineering Education	
	Dr Vijay Tambrallimath, Dayananda Sagar College of Engineering, Bangalore	Dr Vishal Francis, LPU, Punjab		Dr P Malliga, NITTTR, Chennai	
26.08.2021 Thursday	Polymer composite processing in Additive Manufacturing and some innovative case studies	Micro Mechanical inhibition for 3D printing of Metals and Plastics		Innovative applications of Additive Manufacturing	
	Dr Narendrakumar, NIT, Jalandhar	Dr T Rangaswamy, GEC, Mosalehosalli		Dr L Siva Rama Krishna, Osmania University, Hyderabad	
27.08.2021 Friday	Case study - PC-ABS based graphene filled polymer nanocomposite synthesized by FDM process	Opportunities and Technological Challenges in Metal Additive Manufacturing		Direct Pellet Printing: Scope, Challenges and Opportunities	Online Test
	Dr Vijay Tambrallimath, Dayananda Sagar College of Engineering, Bangalore	Dr K R Ravi, IIT Jothpur		Dr Narendrakumar, NIT, Jalandhar	