

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

AICTE Sponsored Online STTP on

Additive Manufacturing of Multi-functional Nanocomposites

26.07.2021 to 30.07.2021

	Session 1	Session 2	Session 3	
	9.30 am to 11.00 am	11.30 am to 1.00 pm	2.30 pm to 4.00 pm	
26.07.2021 Monday	Inauguration - Composites and Generative design	Basics of Additive Manufacturing and Nanocomposites	CNT Nanocomposites and its Molecular Dynamics Simulation	
	Dr Mukul Shukla, NIT, Allahabad	Dr.K.Balamurugan, IRTT, Erode	Dr.Kamal Sharma, GLA University, Mathura	
27.07.2021 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	
28.07.2021 Wednesday	Demo on FDM Printer	Fused Deposition Modelling: Materials and Scope	Strategies for nanomaterial addition in extrusion-based 3D printing	
	Dr.K.Balamurugan, IRTT, Erode	Dr Vijay Tambrallimath, Dayananda Sagar College of Engineering, Bangalore	Dr Vishal Francis, LPU, Punjab	
29.07.2021 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	
30.07.2021 Friday	Case study - PC-ABS based graphene filled polymer nanocomposite synthesized by FDM process	Opportunities and Technological Challenges in Metal Additive Manufacturing	NEP - Guidelines & Implementation Practices in Engineering Education	Online Test
	Dr Vijay Tambrallimath, Dayananda Sagar College of Engineering, Bangalore	Dr K R Ravi, IIT Jothpur	Dr P Malliga, NITTTR, Chennai	

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