ABOUT THE INSTITUTION
Thiru V. Rangasamy Naidu Educational Trust, dedicated to the cause of promoting Technical and Scientific Literacy, established Coimbatore Institute of Technology (CIT) in 1956. CIT is one of the most reputed and prestigious educational institutions in South India. The Institute features strong Academic-Industrial interaction and a high quality of research and consultancy. The Institute has the services of competent and qualified faculty, and the support of visionary management to enhance the quality of education at all levels and maintains its preeminent position in emerging globalization.

ABOUT THE DEPARTMENT
One of the founding departments of CIT, the Mechanical Engineering Department has played a leading role in evolving an Engineering Science based curriculum. Today, the department of mechanical engineering of CIT attracts and features an extraordinary rich diversity and quantity of talented individuals. Apart from teaching, the faculty of Mechanical Engineering actively pursue research through graduate students and research scholars. Over the years, interaction with industry and the emphasis on applied engineering has increased. The Mechanical Engineering Department of CIT has been pioneer in establishing Manufacturing Science Research Cell for dedicated research in the field of additive manufacturing process. To its credit a lot of researchers are carrying out their PhD work here.

ABOUT THE COURSE
Materials Science involves the study of the relationships between the synthesis, processing, structure, properties, and performance of materials that enable an engineering function. The properties of interest can be mechanical, electrical, magnetic or optical: the engineering function can impact industries involved in electronics, communications, medicine, transportation, manufacturing, recreation, energy, and the environment. The new fields of nanotechnology and biomaterials are providing the materials scientist with an entirely new palette of molecular, organic, biological and inorganic building blocks to design and assemble nano-engineered materials with unique functionalities.

This course is designed to provide more details about the advanced materials and their latest manufacturing methods to be used.

TENTATIVE TOPICS TO BE COVERED
- Nano science and technology
- Advances in polymer science and technology
- Advances in composites
- Material based engineering design, selection and control
- Advanced Material Processing and characterization
- Material modelling and simulation

RESOURCE PERSONS
The resource persons are eminent professors and speakers from institutions like IIT, ITB, NITs, Anna university, CIT, etc.,

ELIGIBILITY CRITERIA
Faculty members of University/ Engineering Colleges recognized by AICTE working in the departments of Mechanical Engineering /Material Science / Metallurgy / Ceramic Engineering / Chemical Engineering /Physics/ Chemistry/ Polymer Science are eligible to attend the course. Interested participants are requested to send their application forms for the earliest. This will help us in making necessary arrangements. Selected candidates will be informed by e-mail. Selection will be on first come first served basis with the total Maximum Number of Participants 40 Nos. Only.

REGISTRATION
The payment should be made by means of a DD drawn in favour of "The Principal, Coimbatore Institute of Technology, Coimbatore-641014, payable at Coimbatore". The filled-in registration form is to be sent along with the DD to the Course Coordinator.

LOCATION OF CIT
CIT is located about 2km from Coimbatore Airport, 8 km from Coimbatore Railway Station & Gandhiapuram Central Bus Stand, Institute is on NH47 (Opposite to Hotel Jenne Club) popularly known as Avinashi Road. The journey time is around 20 minutes from both the stations.