

## ABOUT THE INSTITUTION

Sri Krishna College of Engineering and Technology (SKCET), Coimbatore, established in the year 1998 is one of the most sought after premier Institutions in South India. SKCET is an Autonomous Institution approved by AICTE, affiliated to Anna University and accredited by NAAC and NBA. The adorable campus is located in NH47 highway, just 3 kms from the heart of the city. The college offers 9 Under Graduate, 1 Integrated, 8 Post Graduate and 4 Research programmes. SKCET also has its highest echelon in National rankings with 83rd among Engineering colleges in NIRF 2020, 2nd rank in Swachh campus, 3rd in USVA and Top 2 in ARIIA. The research imprint of SKCET scales to granted R&D funding projects to a tune of 6.91 Crores, 100+ published patents and 1000+ research journal publications. With industry drafted Choice Based Credit System (CBCS) curriculum, a full-fledged infrastructure and prolific Placement cell, SKCET takes every effort to produce globally competitive Engineers.

## ABOUT THE DEPARTMENT

The department offers one U.G. Degree Programme in Mechanical Engineering and two P.G. Degree Programmes in M.E. – Engineering Design, M.E – Computer Aided Design / Computer Aided Manufacturing. The department has 45 faculty members. The Department is recognized by Anna University as a Research Centre and 12 Ph.D. Scholars are produced so far from this centre and more than 40 candidates are pursuing PhD. The department faculty is actively involved in R & D and funds to a tune of Rs.1.5 crores have been obtained from various funding agencies like DST, AICTE and UGC. The department is well known for its vibrant club activities and professional chapters including the SAE club, IIF Chapter, Society of Automation and Robotics club. The department thrives to produce world class mechanical engineers with ethical values who are a part of professional bodies like ISTE, CIRP, Institution of Mechanical Engineers and Society of Manufacturing Engineers. Mechanical Engineers work across a huge variety of industries conceptualizing, designing, and creating machines as well as their components. Though it is one of the oldest engineering disciplines, it is also one that continues to change and grow with advancements in technology making it a vibrant and exciting career path even today.

## ORGANIZING COMMITTEE

### CHIEF PATRON:

Smt. S. Malarvizhi  
Managing Trustee  
Sri Krishna Institutions  
Coimbatore

### PATRON:

Dr. J. Janet  
Principal,  
SKCET,Coimbatore

### CONVENER:

Dr. P. Ashoka Varthanan  
Professor & Head  
Department of Mechanical Engineering  
SKCET,Coimbatore

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AICTE Sponsored

One Week Short Term Training Program  
(STTP)

on

“MULTIDISCIPLINARY  
COMPETANCY TRAINING FOR  
MECHANICAL ENGINEERS”

Series I – Convergence and application of  
digital industrial technologies

19.10.2020 to 24.10.2020

Organized by



SRI KRISHNA  
INSTITUTIONS  
COIMBATORE

Department of Mechanical  
Engineering

Sri Krishna College of  
Engineering and Technology  
Coimbatore – 641008.  
(An Autonomous Institution Affiliated to Anna  
University, Chennai)

in association with  
AICTE





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### ABOUT THE PROGRAMME

Transition of technology happens in all fields and the pace of change is very high in the field of engineering. Manufacturing industries are also upgrading into Smart and connected factories with the advent of technologies like Industrial Internet of Things and Cloud Computing. Manufacturing organizations are experiencing an interesting transformation in the name of Industrial Revolution 4.0. The first revolution begun with the invention of mechanization and steam engines followed by the invention of assembly lines developed by Henry Ford. Most of the Indian industries are still in the third phase which consists of inventions and operations by means of PLC, Robotics and Distributed Control System (DCS). Most of the developed countries have already employed Industry 4.0 and also increased their productivity. The developing nations are striving hard to establish the new revolution in their industries. To be industry 4.0 ready knowledge levels of the engineers has to upgrade and the faculty members need to be exposed to the latest development. Hence, it is very important to discuss the concept of Industry4.0. The programme will extensively cover recent advancements in manufacturing, artificial intelligence, cloud computing, cyber physical systems and inter-connected robots for the purpose of manufacturing industries.

### RESOURCE PERSONS

The sessions will be handled by the experts from industry and other reputed academia.

### OBJECTIVE OF THE STTP

- The main objective of this STTP to provide multidisciplinary competency training for mechanical engineers.
- The multidisciplinary skills in the field of Artificial Intelligence, Machine learning, Embedded Systems , Python and IoT related basics will be provided to the mechanical engineers.
- To enable the faculty member realize the importance of multidisciplinary engineering and expose them to electronics, embedded systems, microcontrollers, automation and fabrication of projects which involves multi disciplinary approach.
- To discuss the making of low cost, feasible products in the mechanical engineering field involving upcoming technologies.

### WHO SHOULD ATTEND?

- Registration is open to faculty members of the AICTE approved institutions, research scholars and participants from Industry.

### REGISTRATION FEE

- No fees will be charged to faculty members working in AICTE approved institutions.

### SELECTION PROCESS

- Participants are limited on first-come-first-serve basis and selected candidates will be intimated through email.

### IMPORTANT DATES

- Submission of application : 12.10.2020
- Intimation of selection : 14.10.2020
- Confirmation by participants: 16.10.2020

### MODE

- Online

### REGISTRATION LINK

<https://forms.gle/9AKTu3CRp2rFLjRU7>



### CERTIFICATES WILL BE ISSUED

- Based on the session attendance and the test performance at the end of the programme.