

## 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 of Electronics and Communication Engineering came into existence in the year 1998. The department offers a UG programme (B.E.) in Electronics and Communication Engineering and PG programmes (M.E.) in Applied Electronics and Communication Systems with high class technical expertise to the students. The department is accredited by NAAC with "A" grade and also been reaccredited by NBA for three years of period from 2017 to 2020. The department has also been recognized as a centre for carrying out Ph.D. /M.S. (By Research) programme under Anna University, Chennai. The department has a dedicated team of faculty members with high industrial/research and teaching experience. The department offers an industry-based curriculum that has been developed with inputs from several industry experts.

## ORGANIZING COMMITTEE

### CHIEF PATRON:

**Smt. S. Malarvizhi**  
Managing Trustee  
Sri Krishna Institutions  
Coimbatore

### PATRON:

**Dr. J. Janet**  
Principal, SKCET

### CONVENER:

**Dr. S. Sophia**  
Professor & Head / ECE, SKCET

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AICTE Sponsored Two Week Short Term  
Training Program (STTP) on

## "ZERO-SHOT LEARNING BY CONVEX COMBINATION OF SEMANTIC EMBEDDINGS"

**Series I – 12.10.2020 to 25.10.2020**  
**Series II – 02.11.2020 to 15.11.2020**

Organized by



Department of Electronics and  
Communication 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

Zero-shot learning (ZL) is a technique which analyses its observations and learns from its experience to make a better decision for the future. More effort is building up to perform inference on edge devices in embedded systems, to overcome network bandwidth bottleneck, security and privacy issues for which ZL becomes a solution.

Thus with all the above merits of integrating ZL with embedded systems, this programme is been organized to provide an overview of this integration and detailed study about the basics of embedded systems and machine learning algorithms. The Programme would detail the communication protocols for embedded systems, hardware & software development boards, session on python programming, basics of machine learning and its algorithms and also an introductory session to Internet of Things (IOT). As a highlight to these sessions, two days is been planned where the Stress Management and Yoga will be given as live demo and hands-on.

### RESOURCE PERSONS

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

### OBJECTIVE OF THE STTP

- To equip teachers with skills and knowledge in the field of Artificial Intelligence, Machine learning, Embedded Systems and IoT.
- To familiarize with the practical aspects of this field and gradually teach the industrial usage of Artificial Intelligence, Machine learning, Embedded Systems and IoT for various applications.
- To manage the stress due to lockdown, two day sessions are planned to make stress relief and peace.

### 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: 08.10.2020
- Intimation of selection: 10.10.2020
- Confirmation by participants: 11.10.2020

### Mode

- Online

### REGISTRATION LINK

<https://forms.gle/siLFFHhNpSGbP6yo7>



### CERTIFICATES WILL BE ISSUED

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