

## 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 Swatchhata 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 2020 to 2023. 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 - ISTE

Sponsored  
Induction/Refresher  
Programme  
on

## “Feature Analysis Using AI/ML”

16.11.2020 to 21.11.2020

Organized by



Department of Electronics and  
Communication Engineering

**Sri Krishna College of Engineering and  
Technology**

(An Autonomous Institution)  
(Accredited by NAAC & NBA)  
(Affiliated to Anna University, Chennai)  
**Coimbatore – 641008.**

in association with  
**AICTE & ISTE**



## AICTE - ISTE Sponsored Induction/Refresher Programme on



# “Feature Analysis Using AI/ML”

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### ABOUT THE PROGRAMME

Machine learning involves Feature selection and Feature extraction. It is the automatic selection of attributes in the data that are most relevant to the predictive modeling problem. This process involves selecting a subset of relevant features for use in any model construction. Both methods seek to reduce the number of attributes that need to be considered for analyzing or modeling a problem definition. Artificial Intelligence based feature extraction techniques and variable selection are also capable to outperform the widely adopted traditional methods due to their flexibility and self-adapting characteristics of the available dataset.

The universal problem of intelligent learning algorithms is where to focus the attention. It is very critical to discriminate between the relevant and irrelevant parts of attributes. The goal is to find an optimal feature-subset, the one that maximizes the scoring function. In real time applications, this process is tedious since it contains tens of thousands of features while only a very small percentage of them carry useful information towards achieving learning goal. An algorithm is required to compress the feature vector and reduce its dimension. This programme mainly focuses on the concepts of AI/ML and its applications in future technology

### RESOURCE PERSONS

- The sessions will be handled by eminent persons from reputed institutions and Industry experts.

### OBJECTIVE OF THE PROGRAMME

- To equip teachers with skills and knowledge in the field of Artificial Intelligence and Machine learning.
- To familiarize with the practical aspects in this field and to know about the future technology related to Artificial Intelligence and Machine learning.
- To invoke the importance of quality life, a session is planned on human values.

### GUIDELINES

- No Registration Fees
- The faculty members of AICTE approved institutions, Research scholars and Industry participants.
- Participants will be selected based on First Come First Serve basis and selected participants will be intimated through E-Mail.
- Attendance is mandatory for all the sessions
- On the last date of the program, an assessment test will be conduct for all the participants.
- Preference will be given to ISTE Members.

### IMPORTANT DATES

#### Intimation of Selection

- Submission of application: 12.11.2020
- Intimation of selection: 13.11.2020
- Confirmation by participants: 14.11.2020

#### MODE

- Online ( Google Meet)

#### REGISTRATION LINK

<https://forms.gle/ArKYKvoR4uXKfuCr5>



#### ISSUE OF CERTIFICATE

- E-Certificate will be issued based on the session attendance and performance in assessment test