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For all Queries Related to this STTP

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'AAA' by Careers 360

AICTE-SPONSORED Online Short Term Training Program (STTP)

**on
MACHINE LEARNING**

and

Its Applications (Phase-1)

(From 2nd Nov to 7th Nov, 2020)



Organized by

**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING**

**LENDI INSTITUTE OF ENGINEERING
AND TECHNOLOGY**

An Autonomous Institute

Approved by A.I.C.T.E & Permanently Affiliated to JNTU, Kakinada
Accredited by NBA & NAAC with 'A' Grade,
Jonnada (Village), Denkada (Mandal),
Vizianagaram Dist – 535 005 www.lendi.org

ABOUT THE INSTITUTION

Lendi Institute of Engineering & Technology (LIET) established in 2008, under the aegis of Sai Dhamam Educational Trust, is an affiliated college of the JNTU(K). Ever since its inception, the institution has been playing a significant role in fulfilling the needs of people in the north-coastal region by imparting values based Technical Education in the state of Andhra Pradesh. LIET aims to create a unique platform for elegant engineers competent enough to address the technological issues of society. LIET is an Autonomous institution offering Six UG Programs (B.Tech) viz.. ECE, EEE, CSE, CSSE,CSIT,MECH and Four M.Tech Programmes - accredited by NAAC with "A" Grade and NBA.

ABOUT THE DEPARTMENT

Department of ECE was started with an initial intake of 60 students (in 2008) and gradually enhanced to 180 students intake at graduation level. Post-Graduation M.Tech program in Embedded Systems & VLSI Design was introduced in 2014 – 2015 with an intake of 18 seats. The department is strengthened by its eminent faculty of 6 doctorates, 13 pursuing doctorates and senior faculty. Department is equipped with state of art infrastructure comprising advanced laboratories including Industry sponsored lab, dedicated projects lab and R&D lab supported by licensed software tools like Mentor Graphics, MATLAB, XLINX Vivado and ANSYS-HFSS etc.

ABOUT THE STTP

Proposed STTP (Phase-1) is aimed to brush up the fundamental Machine Learning concepts followed by dealing with a thorough analysis of different Machine Learning algorithms applicable to the widely acclaimed realistic domain areas. The training program was meticulously planned to include series of lectures clubbed with hands on experience targeting real time applications and practical exercises. On attending First Phase of this STTP, participant researchers and faculty can acquire deep insights into applicable machine learning areas which in turn helps them to understand and critically evaluate the application of Deep Learning algorithms in Phase-2 of this STTP.

TOPICS OF STTP

- Introduction to Pattern Recognition (Supervised/Unsupervised/Semi-supervised Learning, Reinforcement Learning)
- Classifiers, Linear Regression/Logistic Regression, Linear Algebra
- Bayesian Decision Theory
- Guassain Mixture Models (GMM)
- Hidden Markov models (HMM)
- Different Machine Learning Algorithms
- Feature Extraction and Dimensionality Reduction Techniques
- Support vector machines
- Probability Learning, Graphical models
- Analytical learning
- Fuzzy Logic, Fuzzy C Means Clustering, K means Clustering.
- Python/MATLAB for Machine Learning
- Machine Learning for Communications
- Machine Learning for Biosignal/Image processing
- Machine Learning for NLP (Information Retrieval/ Sentiment Analysis
- AI & Machine Learning Applications for Visual Surveillance

LINK FOR REGISTRATION:

Participants are requested to register mandatorily using the following link

<https://forms.gle/B7oHKmRpTgaYSVtg7>

- **REGISTRATION IS FREE**

ELIGIBILITY

All teachers, supporting technical and administrative staff in areas of technical education in AICTE approved institutions are eligible to participate.

CERTIFICATE

Participants will be issued E-certificates for those who attended program with minimum 80% attendance & scored minimum 60% marks in the test and submitted feedback form.



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REGISTRATION FORM

Name: _____

Designation: _____

Department: _____

College / Industry _____

Phone: _____

E-Mail ID: _____

Signature of the Participant _____

Place:

Date:

Signature of Sponsoring Authority with seal