

ABOUT THE ACADEMY:

Siddhartha Academy of General and Technical Education is established in 1975 and runs 19 educational institutions in and around Vijayawada including two Post Graduate Colleges, three Under-Graduate Colleges, three Junior Colleges, two Engineering Colleges, two Public Schools, Medical College, Dental College, Nursing School, Pharmacy College, Hotel Management College, Law College and B.Ed. College. Two of the Under Graduate Colleges and two Engineering Colleges are granted Autonomous status.

INSTITUTION:

Prasad V. Potluri Siddhartha Institute of Technology is one of the 19 institutions sponsored by Siddhartha Academy of General and Technical Education (SAGTE). The Institution is established in the year 1998 with a strong Mission of imparting quality technical education through continuous non-compromising interactive teaching. The Institution offers six graduate programs, 4 post graduate programs and MBA. The college is approved by AICTE and has been granted Autonomous status by UGC. Departments of CSE, ECE, EEE, IT, Civil, ME and Freshman Engineering have been accredited thrice in the years 2007, 2012 and 2016 by NBA under Tier-II subsequently accredited under Tier-I in 2019. The institute got permanent affiliation to JNTUK, Kakinada. NAAC has bestowed A+ grade in the year 2019.

PVPSIT is located in the historic city of Vijayawada on the banks of the Krishna River in the coastal area of Andhra Pradesh. The city is a large commercial center and is the abode of Goddess Kanaka Durga temple on the Indradri Vijayawada is also known as an educational hub in the state of Andhra Pradesh. The city is well connected by Road, Rail and Air. The railway station, Bus stand and Airport are at a distance of 10 km from the college.

ORGANISING COMMITTEE

CHIEF PATRON

Sri N. Venkateswarlu

President, Siddhartha Academy

Sri P. Lakshmana Rao

Secretary, Siddhartha Academy

Sri B. Sreeramulu

Convener, PVPSIT

CHAIRMAN

Dr. K. Sivaji Babu,

Principal, PVPSIT

CONVENER

Dr. A. Jaya Lakshmi

Professor and HOD- CSE Department

COORDINATOR

Dr. K. Koteswara Rao

Associate Professor-CSE Department

CO-COORDINATORS

Dr. G. Lalitha Kumari

Sr. Asst. Professor -CSE Department

Mr. B. N. Swamy

Sr. Asst. Professor -CSE Department

MEMBERS

Dr. M. V. Rama Krishna

Dr. S. Madhavi

Dr. B. Janakiramaiah

Dr. J. Rama Devi

Ms. V. Siva Parvathi

Dr. B. Lakshmi Ramani

Ms. D. Swapna

Mr. K. Vijay Kumar

Ms. M. Sailaja

Ms. Y. Surekha

Mr. A. Vanamala Kumar

Mr. M. Ram Gopal

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ONE WEEK ONLINE SHORT TERM TRAINING PROGRAM

ON

Machine Learning and IOT

**Technologies for Environmental
Issues (Phase-II)**

26th -31st October, 2020



**Sponsored by
AICTE New Delhi**

Organized by

Dept. of Computer Science & Engineering



**P.V.P.Siddhartha Institute of Technology
Kanuru, Vijayawada-520 007
Andhra Pradesh, India**

DEPARTMENT:

The Department of Computer Science and Engineering is established in the year 1999. The department has started B.Tech program with an initial intake of 40 in the year 1999 and 180 from 2019 onwards. The department has also started M.Tech program in the year 2006 with an intake of 18. The Programme is accredited by NBA thrice in the years 2007, 2012, 2016 under Tier-II subsequently accredited under Tier-I in 2019. The department has 31 qualified Faculty with 9 PhDs and 22 M.Techs. The faculty members actively involve themselves in research activities and published / presented papers in national/international journals and conferences.

OBJECTIVE OF THE STTP:

The proposed workshop sponsored by AICTE New Delhi, aims at imparting Awareness training on **MACHINE LEARNING AND IOT TECHNOLOGIES FOR ENVIRONMENTAL ISSUES (Phase-II)**, that helps in updating the academic and research knowledge of the participants from Engineering colleges, Research organizations. The main focus will be on machine learning and IOT for environmental issues .participants of the program will have an opportunity to interact with the eminent people selected as our resource persons from various Institutions, industries and Research & Development organizations.

ELIGIBILITY:

Faculty members of Engineering /Polytechnic colleges approved by AICTE/UGC/ Researchers/ P.G Students /Practicing Engineers are eligible.

REGISTRATION:

Participants have to send the Registration form duly filled, shall reach the coordinator on or before **23rd October, 2020** through Registration Link.

REGISTRATION LINK:

<https://forms.gle/2RA8mV36XsmiK4hZ7>

On **24th October, 2020** will intimate the list of selected participants

Note:

1. All the participants must attend all the sessions without fail.
2. Certificate will be issued based on attendance & performance of the candidate in the examination at the end of the workshop

RESOURCE PERSONS

1. Dr. J. Arul Valan, Assistant Professor, NIT-Nagaland
2. Prof. J. Santhan Krishnan, BSNL, NIT-Nagaland
3. Dr. M. Srinivas, PDF, Canada, Asst. Prof, NIT-Warangal
4. Dr. N. B. Venkateswarlu, Professor, PDF U of Leads
5. Dr. Agasthe Sudhir, University of Pune-Virtual Labs
6. Mr. Munwar Shariff, Entrepreneur, CTO, Anblicks
7. Mr. G. Arvind - Tata Consultancy Services, USA

COURSE CONTENTS:

Topics to be covered:

- ✓ Outlier Analysis on IoT Data
- ✓ LSTM - RNN Model for weather forecasting
- ✓ PCA for weather data
- ✓ Connected Objects : IoT Machine 2 Machine
- ✓ IoT for Secure Environment
- ✓ Air Pollution prediction
- ✓ Time series whether Forecasting
- ✓ Implementation issues for Sustainable Environmental Technologies.
- ✓ ML in real time Environmental Application.
- ✓ Learning Methods for Environmental Issues.

REGISTRATION FORM

ONE WEEK ONLINE SHORT TERM TRAINING PROGRAM

ON

**Machine Learning and IOT Technologies
for Environmental Issues (Phase-II)**

26th - 31st October, 2020

Participant's Name:

Qualification:

Department:

Organization:

Address for
Communication:

Phone No. (O):
(R):

E-mail :

Registration fee: **No Registration fee**

Date: _____ Signature of Participant

SPONSORSHIP CERTIFICATE

This is to certify that Mr. / Ms _____
_____ is an employee of our institution since
_____ and is hereby sponsored to attend the Workshop on
**MACHINE LEARNING AND IOT TECHNOLOGIES
FOR ENVIRONMENTAL ISSUES (Phase-II)**.

Place: _____ Signature of Head
Date: _____ of the Institution