

**AICTE SPONSORED
ONLINE SHORT TERM TRAINING
PROGRAMME (PHASE-III)**

On

**Explainable Artificial Intelligence
and Machine Learning for Solving Learning
Problems Using Python and Tensor flow**

08-FEB-2021 to 13-FEB-2021

REGISTRATION DETAILS

Participants have to submit an online application with the following registration Link:

<https://forms.gle/CvpMu664wray1wps6>

- No Registration fee
- An assessment will be conducted at the end of the program.
- Certificates will be issued to the participants with required attendance and those who qualify the assessment.

IMPORTANT DATES

Last date for registration : 03-FEB-2021
Intimation of selection : 04-FEB-2021
The selected candidate will be intimated through email.

ELIGIBILITY FOR PARTICIPATION

This STTP is open to all faculty members of Engineering colleges and Research scholars of AICTE approved Institutions.

CONTACT DETAILS

Dr.G.P.Pavan,

Convener, AICTE sponsored STTP,
Department of CSE
Mobile: 9739246854
Mail ID: drpavangp20@gmail.com

Organizing Committee

Chief Patrons

Smt D. A. Satya Prabha

Chairperson, Managing Trustee, Sreenivasa Trust

Sri K. Ranganadham, Executive Vice Chairman

Sri D K Badri Narayana Secretary, SITAMS

Patrons

Dr. K.L. Narayana, Academic Advisor

Dr. P. Ramesh Kumar, Principal

Advisory Committee

Dr. S. Sreekanth, Vice -Principal & COE

Dr. D.Nagaraju, HOD-CSE

Dr.M.Saravanan, HOD-ECE

Dr.D.Jagadeesan, Professor, IQAC Co-ordinator

Convener

Dr. G.P.Pavan,

Professor, Dept. of CSE

Coordinator

Mr. Lakshminarayana K,

Assistant Professor, Dept. of CSE

Mr.A.Naresh Kumar,

Assistant Professor, Dept. of CSE

Organizing Committee

Dr.Arthi M

Dr.Santhi.K

Dr.J.Jegan

Mr. Sreeraman.Y

Mr.Srinivasan.A

Mr. Purushotham.E

Ms.Leelavathi .P

Mr.Naresh Babu.M.M

Mr.Mohammed Shafiullah

Mr.Vivekanandan .T

Mr.Lakshminarayana K

Mrs. Kokila S

Mr.Sathish.K

Ms.V.Bhagyasree

Mr. M.Sandeep

Ms. Ramya Sree.K

**ONE WEEK ONLINE
SHORT TERM TRAINING PROGRAMME
(PHASE- III)**

On

**Explainable Artificial Intelligence
and Machine Learning for Solving
Learning Problems Using
Python and Tensor flow**

08-FEB-2021 to 13-FEB-2021

Sponsored by
**ALL INDIA COUNCIL FOR TECHNICAL
EDUCATION, New Delhi**



Convener

Dr.G.P.Pavan

Professor, Department of CSE



Organized by

**Department of Computer Science Engineering
SREENIVASA INSTITUTE OF TECHNOLOGY AND
MANAGEMENT STUDIES**

**(Autonomous - NAAC, NBA Accredited)
Murukambattu, Chittoor-517 127, Andhra Pradesh**

www.sitams.org

About SITAMS



Sreenivasa Institute of Technology and Management Studies (SITAMS) was established in 1998 by Late Dr.D.K.Audikesavulu, Former Chairman of Tirumala Tirupati Devasthanams and Ex. MP, Lok Sabha, a Mechanical Engineer by profession and also a prominent industrialist possessing industrial establishments in the states of Karnataka, Tamil Nadu, Andhra Pradesh and Madhya Pradesh. The institution is an Autonomous Institution, achieved 'A' Grade by Andhra Pradesh Higher Education and NAAC accredited Institution. Besides, the institution got NBA for the branch ECE, CSE, MECH for 3 years and MCA for 2 years in 2019-20. The college is offering 6 Undergraduate and 6 Postgraduate courses in Engineering and Management Studies. Here the students are offered a paralleled state of infrastructure to create a highly conducive environment. We are in high spirits and our mirth knows no boundaries to announce that SITAMS, a pioneer of value based education is awarded Accreditation during 2008 to till date by National Board of Accreditation, AICTE, and New Delhi and got Autonomous during 2013-2014.

About Department

The Department of Electronics and Communication Engineering is one of the largest departments of the SITAMS, CHITTOOR. The CSE Department at SITAMS has been a great reputation of excellence in teaching, research and service. With excellent laboratory facilities and dedicated faculty, the department of CSE offers broad range of programs that include undergraduate (B.Tech- CSE, AI&ML) and post graduate (M.Tech) in Computer Science and Engineering.

The department is periodically reviewed and all have received continuous and ongoing accreditation from the National Board of Accreditation. The UG course was accredited by NBA in 2008 for 3 years, in 2013 for 2 years and in 2019 for 3 years. In 2015, the department was recognized by NAAC for 5 years.

About the STTP

This Short Term Training Program (STTP) is conducted to enhance the knowledge of faculty in engineering colleges which is very much essential for today's fast growing technological world. Artificial Intelligence and Machine Learning has become a Pioneer technology in many different sectors and Industries. Research associated with Machine learning is highly technical and specialized with core problems which include programming computers for certain traits such as knowledge, reasoning, problem solving, perception, learning, planning and ability to manipulate. AI and Machine learning rises towards a future where machines not

only do all of the physical work, but also think for planning, strategizing and making decisions. It is widely applied in medical diagnosis, electronic trading platforms, robot control, and remote sensing. This is a better platform in introducing applications with new technologies in all the engineering fields and it is necessary to give a brief insight.

Objectives

The main focus of this STTP is to deliver the outcome of Pedagogical Training and Subject related training of the theory and practice of Artificial Intelligence and Machine Learning and related applications using trending Python PL.

Topics to be Covered

- AI & Machine Learning, Learning Techniques
- Supervised and Unsupervised Learning Algorithms
- Latent Models in Deep Learning(DL)
- Feature extraction using Latent Models in DL
- Implementation of Deep Learning
- Image Recognition using Python with Tensor flow and Keras API
- Regression Model Analysis
- Model In Neural Network & Data Visualization
- Demo on Artificial Intelligence
- Convolution Neural Network –CNN
- Real-Time Application Development Using AI&ML features using Python and Tensor flow.

Resource Persons

The resource persons for this programme are from various reputed institutions and from leading industries.