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SSSIHL 2017/18

Deep Learning: with hands-on

7-9 DEC 2017 @ PRASANTHI NILAYAM CAMPUS

Department of **MATHEMATICS &
COMPUTER SCIENCE**

Dive deep into Machine Learning. Apply now!

The most influential Machine Learning (ML) paradigm in the recent years that has revolutionized the domain of speech, vision and language is **Deep Learning**.

It is being hailed as the modern-day electricity that would transform industries similar to how electricity transformed industries a hundred years ago. Although the Deep Learning paradigm—also called Deep Neural Networks—dates back to 1990's, thanks to the advancement in computing power in the last decade, it has emerged *full-throttle*, spearheading all applications of machine learning.

Knowledge in machine learning, in particular Deep Learning, is becoming increasingly important for students of computer science. The Department of Mathematics and Computer Science (DMACS), Sri Sathya Sai Institute of Higher Learning (SSSIHL) is organizing a workshop on **Deep Learning with Hands-on** to facilitate the interested students to gain an experience in the world of Deep Learning.

SCHEDULE

7 DECEMBER

- » Morning: **Convolutional Neural Networks (CNN)**
- » Afternoon: **Lab – Face Recognition**

Expert: Dr. S Balasubramanian, Asst. Professor, DMACS, SSSIHL

8 DECEMBER

- » Morning: **Long Short-term Memory (LSTM)**
- » Afternoon: **Lab – Language Modeling**

Expert: Sri Suriya Narayanan, Software Engineer (Deep Learning), Mobiliya

9 DECEMBER

- » Morning: **Variational Auto Encoders (VAE) and Generative Adversarial Networks (GAN)**
- » Afternoon: **Lab – Image/Video Generation**

Expert: Dr. Vineeth N Balasubramanian, Asst. Professor, IIT Hyderabad

DATES

7 – 9 DECEMBER 2017

VENUE

Prasanthi Nilayam Campus, SSSIHL,
Prasanthi Nilayam – 515134, Dist.
Anantapur, Andhra Pradesh

ELIGIBILITY

Applicants must have **completed a first level course in Machine Learning** and also have **experience in Python programming**.

HOW TO APPLY

Interested students should send their complete CV to:

events.dmacs@sssihl.edu.in

Applicants must clearly indicate details of the machine learning course they have studied. Selected students will be informed by email.

Registration for the event is **Free of cost**.