

One-Week FDP on Machine Learning with R 27th September to 1st October, 2016



Organized by
**Department of Computer Science and
Engineering**

**Prasad V. Potluri
Siddhartha Institute of Technology
(Autonomous)**

(Permanent Affiliation to JNTU, Kakinada)
(Recognized by AICTE, Accredited by NBA
and

ISO9001: 2008 Certified Institution)
Kanuru, Vijayawada – 520 007

Sponsored By: **Siddhartha Academy of General
And Technical Education**

**In association
with**

Knowledge Partner



(DIV-V) Education & Research

About the Academy:

Siddhartha Academy of General and Technical Education was 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, a Medical College, a Dental College, a Nursing School, a Pharmacy College, a Hotel Management College, a Law College and a B.Ed. College. Two of the Under Graduate Colleges and two Engineering Colleges were granted Autonomous status.

About the College:

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 has been established in the year 1998 with a strong mission of imparting quality technical education through continuous non-compromising interactive teaching. The institution offers eight graduate programmes and six post graduate programmes including MCA and MBA.

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 centre and famous for Goddess Kanaka Durga temple on the Indrakiladri hills. Vijayawada is also a renowned educational centre 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 each from college.

About the Department:

The Department of Computer Science and Engineering was formed in the year 1999. The department has started B.Tech program with an initial intake of 40 in the year 1999 and 120 from 2007 onwards. The department has also started

M.Tech program with an initial intake of 18 in the year 2006, and an increase in the intake to 36 in the year 2011. The department is accredited by NBA in the year 2007 for a period of 3 years and was reaccredited in the year 2012 for a period of 2 years. The department has 35 qualified teaching staff with 3 PhD and 32 M.Techs. The faculty members are involved in research activities and published/presented papers in national and international journals and conferences.

The department has ACM and CSI student chapter. The department offers various certification programs to students like APSSDC's Mobile App Development Program, CISCO: CCNA certification and R-Programming Certification through APSSDC-NASSCOM to make the students well prepared to meet industry needs. The department has also established Intel Lab to encourage students with new tools & technologies.

Theme of the Training program:

The Goal of the workshop is to provide a forum for exchanging the ideas and share the knowledge on current Research challenges/issues in the real world with an emerging area of Machine Learning. This Workshop facilitates hands-on experience with different case studies using Machine Learning with the help of R-Programming tool to solve real world problems.

This workshop covers deep understanding of Machine Learning and basic Deep Learning strategies that can be implemented through R-Programming.

Experts from premier Institutions and Industry are invited.

Topics Include:

1. Introduction to R & Machine Learning
2. Regression
3. Classification
4. Unsupervised & Supervised Learning
5. Machine Learning Case Studies
6. Introduction to Deep Learning

Chief Patrons : Sri. N.Venkateswaralu
President, SAGTE
Sri P.Lakshmana Rao
Secretary, SAGTE

Patrons : Sri B.Sriramulu
Convenor, PVPSIT

Chairman : Dr. K. SivajiBabu
Principal, PVPSIT

Co-Chairman:

Dr. M. V. Rama Krishna, Professor &Head,
Dept. of CSE, PVPSIT.

Program Coordinators:

Dr. A.Sudhir Babu
P E S N Krishna Prasad.

Program Committee Members:

A. Ramana Lakshmi
B. Srinivasa Rao
B. N. Swamy
J. Rama Devi
M. V. S. N. Maheswar
A. Vanamala Kumar

Chief Guest:

Dr. Suresh Chandra Satapathy,
Division-V, Education & Research
Chairperson-CSI India

Advisory Committee:

Prof. Bipin V. Mehta, Immediate-
Past President, CSI
Dr Anirban Basu -President, CSI
Mr. Sanjay Mohapatra, Vice-President, CSI
Dr A Naik, Hon-Secretary, CSI
Mr. R K Vyas, Hon-Treasurer, CSI
Mr. Raju L Kanchibhotla, RVP, Region-V, CSI

Resource Persons:

Ashok Polapragada (Manager-Big Data)
Pranabh Kumar T (Big Data Architect)
Atanu Ray (Data Scientist)
Shubham Sharma (Data Scientist)

Program Schedule:

Day 1:

08.30 - 9.30am Registration
09.30 - 10.45am Inauguration
10.45 - 11.00am Tea Break
11.00 - 01.00pm Technical Session-I
01.00- 02.00pm Lunch Break
02.00 - 04.00pm Technical Session- II
04.00 - 05.00pm Research Support

Day 2:

09.00 - 10.45am Technical Session -III
10.45 - 11.00am Tea Break
11.00 - 01.00pm Technical Session- IV
01.00 - 02.00pm Lunch Break
02.00 - 04.00pm Technical Session-V
04.00 - 04.15pm Tea Break
04.15- 05.00pm Research Support

Day 3:

09.00 - 10.45am Technical Session -VI
10.45 - 11.00am Tea Break
11.00 - 01.00pm Technical Session- VII
01.00 - 02.00pm Lunch Break
02.00 - 04.00pm Technical Session-VIII
04.00 - 04.15pm Tea Break
04.15- 05.00pm Research Support

Day 4:

09.00 - 10.45am Technical Session -IX
10.45 - 11.00am Tea Break
11.00 - 01.00pm Technical Session- X
01.00 - 02.00pm Lunch Break
02.00 - 04.00pm Technical Session-XI
04.00 - 04.15pm Tea Break
04.15- 05.00pm Research Support

Day 5:

09.00 - 10.45am Technical Session -XII
10.45 - 11.00am Tea Break
11.00 - 01.00pm Technical Session- XIII
01.00 - 02.00pm Lunch Break
02.00 - 04.00pm Technical Session-XIV
04.00 - 04.15pm Valedictory

Prerequisites: The participant has to bring their own Laptops for Hands-on Sessions.
Configuration: Core i3 Processor with 4GB RAM

Registration Fee:

Faculty CSI Members - Rs.1000/-
Non CSI Members/Industry - Rs.1500/-
Scholars / PG Students - Rs.1000/-
Registration charges include Certificate of Participation, Working Lunch and High Tea. Registration is limited to 50 participants and is based on First Come First Serve basis. Interested participants are requested to fill the online form. Registration fee will be accepted at the Registration Desk. The completed Registration Form should be submitted on or before **17-09-2016**.

Registration Link:

<https://docs.google.com/forms/d/e/1FAIpQLSf2kWQryn1TYaLcxcScFob2Yiv1qn3myZeZDAiYawJSo9PGCw/viewform>

More Details:

Log on: www.pvpsiddhartha.ac.in
kcpvpsit.blogspot.in

ADDRESS FOR CORRESPONDENCE

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