3–Day Student Training Program

on

Data Science using Python

23rd ~25th March, 2017

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

ISO 9001: 2008 Certified Institution)
Kanuru, Vijayawada – 520 007

Sponsored By: Siddhartha Academy of General And Technical Education

In association with
CSI :: SIG-BDA

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 Arts & Science 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 4 PhD and 31 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 programs to students like APSSDC's Mobile App Development Program and R-Programming 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.

About CSI:

Formed in 1965, the Computer Society of India (CSI) has been Instrumental in guiding the Indian IT Industry down the right path since its formative years. Today the CSI 72 chapters all over India,511 student branches and more than a 100000 members including India's most famous IT Industry Leaders, Brilliant Scientists and Dedicated Academicians.

Keeping in mind the Interest of the IT Professional & Computer users CSI works towards making the profession an area of choice amongst all sections of the society. The promotion of IT as a profession is the Top priority of CSI today. To fulfill this objective, the CSI regularly organizes conferences, conventions, Lectures, Projects and awards.

CSI also works towards a Global approach, by seeking alliances with organizations overseas who may be willing to come forward and participate in such activities.CSI also helps governments in formulating IT strategy & planning.

Resource Persons:

Dr D.V Ramana

Data Science Consultant
CSI SIG Big Data Analytics- Executive
Committee member
CSI Hyderabad Chapter

Dr Ramana has completed the Ph.D. from National Geophysical Research institute (CSIR Lab) http://www.ngri.org.in/ Hyderabad. During his doctoral work Dr Ramana has extensively used Numerical and Statistical modelling techniques using 2D and 3D modelling with forecasting techniques. Dr Ramana is a multi-Skilled and having an experience with leadership skills in Multinational(Hewlett Packard, Convergys, Baan) and National companies(APTECH Ltd, Blue Star InfoTech Ltd, Applabs Technologies and Wissen InfoTech) on various technologies and Results oriented professional with 20 years of proven experience in Solid track record of managing both the Development and Support of both offshore and onshore including Big Data, delivery of services to clients in ERP implementation program delivery.

Prapull Khanderao

Data Engineer at Wissen InfoTech
M.S Computer Systems
Engineering
University of East London
London

Prapull has completed Master Degree from university of east London, and currently associated with Wissen InfoTech, Hyderabad. He is multi skilled professional with 5 years of working extensively on Large scale enterprise data warehouse and built data warehouse/and data marts, and also worked with various tools and databases like Teradata, Cassandra, Informatica and Python.

Program outcomes:

1. Students in this program- Data Science using Python" will build technical and analytical skills that require collecting, cleaning, and modelling data, as well as the communication skills to tell powerful stories with data that will create an impact on organizational decisions.
2. Students will become familiar with Python, a free and open-source programming language that is not only capable at data analysis and visualization as domain-specific languages, but also significantly more scalable and amenable to production environments.
3. The final task of this program will be able to do with these skills together in the creation and presentation of a data analytics model and/or visualization.

Program Schedule:

Day 1: (23-03-2017)
- Introduction to Data Analysis and Industry solutions.
- Basic Python programming (Syntax,Variables,Data types and conversions, Lists, Dictionaries and Tuples)
- Loops and Functions, Exception Handling, File Handling and Hands-on and Exercises.

Day 2: (24-03-2017)
- GUI Programming, Introduction to scientific packages in python, Numpy, Pandas, Hands-on and exercises.

Day3: (25-03-2017)
- Application of Python Programming using Real time application
- Hands-on and exercises, Project Assigning to students and Q & A Sessions Followed Evaluation Test.

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

Program Co-ordinators:

1. Mrs.G.Lalitha Kumari, Sr.Asst.Professor, Dept.of CSE
2. Mrs.Y.Surekha, Asst.Professor,Dept.of CSE

Program Committee Members:

1. A. Vanamala Kumar, Asst.Professor,Dept.of CSE
2. M.Ramgopal, Asst.Professor,Dept.of CSE
3. K.Vijay Kumar, Asst.Professor,Dept.of CSE

Registration Fee:

CSI Members   - Rs.300/-
Non CSI Members   -Rs.500/-

Registration is limited to **80** 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 17-03-2017.**

Registration Link: https://goo.gl/KR8m8d

More Details:
Log on: http://www.pvpsiddhartha.ac.in/

Contact us:

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2. Mr. A. Vanamala Kumar   : 9959 43 2595

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