

Eligibility

The programme is open to Faculty members of AICTE approved Institutions, Research Scholars, persons working in industries and R&D organizations.

Important Dates

Last Date for Registration: 31-12-2019
Confirmation through Email: 02-01-2020
Date of Event: 6th to 11th Jan 2020

Registration

Registration can be done by sending the scanned copy of the filled in application duly signed by appropriate authorities to the e-mail pvp_sttp@pvpsiddhartha.ac.in. Original copy of the application can be submitted at the time of registration on 6th January 2020.

Application can be downloaded from www.pvpsiddhartha.ac.in

Fee

There is no registration fee. Working Lunch, Tea & Snacks will be provided during STTP

Accommodation

Free accommodation will be provided to the outstation participants on prior request.

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

Coordinator

Dr. A. Jayalakshmi, Professor & Head

Co-Coordinator

Ms. J Rama Devi, Sr. Asst. Professor

Advisory Committee

Dr. M V Rama Krishna, Professor

Dr. S Madhavi, Professor

Dr. A Sudhir Babu, Professor

Dr. B. Janakiramaiah, Professor

e-mail:

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Ms. J. Rama Devi: 9848643253

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Coordinator

Dept. of Computer Science & Engineering

Prasad V. Potluri Siddhartha Institute of

Technology

Kanuru, Vijayawada, Krishna(Dt)

Andhra Pradesh, India – 520 007.



One-Week

AICTE Sponsored STTP

on

**“Foundations and
Applications on Real-Time
Analytics and Security
challenges”**

6th to 11th January 2020

Organized by

**Department of
Computer Science & Engineering**

**Prasad V. Potluri
Siddhartha Institute of Technology**

(Autonomous)

Kanuru, Vijayawada– 520007

**(Approved by AICTE, Accredited by NAAC with A+,
ISO 9001:2015 Certified Institution,
Permanent Affiliation to JNTUK, Kakinada)**

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.

About PVPSIT:

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 and ME 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 Indra

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.

About The 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 34 qualified Faculty with 7 Ph.Ds and 27 M.Techs. The faculty members actively involve themselves in research activities and published / presented papers in national/international journals and conferences.

Theme of The STTP:

The STTP on Real-Time Analytics and Security Challenges is designed to plan for enhancing teaching skills of faculty of engineering colleges on the emerging technologies like Data Analytics, Internet of Things, Cyber Security and Block Chain Technologies. The trained faculty can potentially use contents from this course for (i) teaching Undergraduate/Postgraduate courses in CSE, ECE and IT (ii) Guide students to implement projects in the above specified areas. (iii) Pursuing research in the above areas. (iv) Design and development of various projects on Real-time Analytics using different tools and technologies.

This STTP provides a broad introduction to Data Analytics, Internet of Things, Cyber Security and Block Chain Technologies and hands-on experience using recent Tools and Technologies Python and SPARK.

Resource Persons:

From Reputed Institutes & Industry

Major Course Contents

- Data Analytics & Data Science using Python
- Big Data Analytics with SPARK
- Digital Transforms: Digital series, Cyber Security, Security issues & challenges in cloud.
- Internet of Things
- Statistical & Predictive modeling
- Applications

STTP Outcomes:

After the completion of STTP the participants will be able to:

- Develop an understanding of the fundamental issues and challenges of Real-Time Analytics.
- Implement real world applications using various tools and technologies like PYTHON and SPARK.
- Understand various security issues and challenges in Cloud.
- Identify research problems in the areas of Data Analytics, IoT and Cyber Security.