**Institution profile**

PSNA College of Engineering and Technology is a premier institution in Tamilnadu with International standards. It was established in 1984 at the outskirts of Dindigul. This prestigious institution of India, at present, offers 7 UG courses and 8 PG courses in Engineering and also MCA and MBA. It is affiliated to Anna University, Chennai. PSNACET has won the best overall performance award at the National level for the year 2007. Our college was ranked 4th at State level and 8th at National level in a survey of Engineering institutes conducted by AICTE in association with Confederation of Indian Industry (CII) during the academic year 2012-2013.

**Department profile**

The Department of Information Technology was started in the year 1999. The B.Tech - IT programme is accredited for 5 years in 2013 by NBA. The department is a recognized Research Centre, approved by Anna University, Chennai and equipped with Software Components Lab, Programming Lab, Electronics Devices and Circuits Lab and Research Lab with all the necessary infrastructural facilities.

Department of IT has a team of 40 well qualified members of faculty with specialization in Networking, Network Security, Cloud Computing, Big Data Analytics, Image Processing, Mobile Computing and VLSI Design. This department includes 4 Professors, 17 Associate Professors and 19 Assistant Professors including 8 Ph.D. holders.

**Big Data Initiatives@PSNACET**

PSNACET makes rapid strides in academic performance, infrastructure development, employability of its graduates, staff welfare, service to the society, strengthening industry institution interaction and research. Our institution has signed MoU with Centre for Development of Advanced Computing (C-DAC), Chennai. Two days faculty development programme on "BIG DATA ANALYTICS" has been organized as a step stone towards MoU. In addition, three days training programme on “BIG DATA ANALYTICS” has been conducted by certified C-DAC trainers in association with IT department for more than 75 students. This provides a great boon for students to enhance them technically, help them in tackling the challenges of industry and real time working environments. Fifteen batches of our IT department final year students have carried out curriculum projects on Big Data Analytics in collaboration with C-DAC at PSNACET.

**About training programme**

The 10 days training program is intended to offer an opportunity for exploring how effectively big data analytics could create rewarding new opportunities for the researchers and organization.

**Scope of the programme**:

* To give an insight to participants on Big Data, promising their first into the field
* To develop extensive knowledge and understanding the Big Data Analytics
* To learn the existing tools, techniques and their applications in Big Data through interactive lectures and hands on training
* To apply tools and techniques for analyzing Big Data and creating statistical models
* To accelerate entrants to undertake industrial research projects for the development of future solutions in the domain of data analytics.