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Dr.R.Aghila, Professor
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Objective

1. Introduction to Data Analytics and its real-life Applications
2. Understanding of statistics and Python programming which will help the participants to carry out various analytical studies.

Expected outcome

1. Learn the importance of data.
2. Learn the various aspects of data handling and how information can be extracted from data.
3. Carry out predictions – how to predict, how to analyze predicted values, discuss the importance of variables in a dataset.
4. Industries and domain where analytics are used extensively.
5. Guide/Mentor the students to seek job opportunities in data analyst fields.

Eligibility

Faculty working in AICTE approved Institutes and having the zeal to do rigorous research in the field of Predictive Analytics using Artificial Intelligence. 10% of the participants from industry and not more than 2 participants from the host institution are permitted to attend the program.

Registration Details:

No Registration fee

<https://forms.gle/FxJ9zsHgQSt16k897>

Session Timing:

11.00 AM to 12.00 Noon &
6.00 PM to 7.30 PM



**AICTE - AQIS Sponsored
Short Term Training
Programme (STTP)
On
Potential and Challenges of
Digitalization for Smart City**

Slot 1 09-15, December 2020
Slot 2 16-22, December 2020
Slot 3 04-09, January 2021



ORGANIZED BY

**DEPARTMENT OF
INFORMATION TECHNOLOGY**

**RE-ACCREDITED BY NBA, NEW DELHI,
UNDER WASHINGTON ACCORD (TIER-1)**

SETHU INSTITUTE OF TECHNOLOGY

**AN AUTONOMOUS INSTITUTION
ACCREDITED WITH 'A' GRADE BY NAAC - NEW DELHI
PULLOOR, KARIAPATTI(TK) - VIRUDHUNAGAR - 626115.
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ABOUT THE INSTITUTION

Sethu Institute of Technology, an Autonomous Institution is the brainchild of our Founder and Chairman, Mr. S. Mohammed Jaleel to provide quality technical education for all the students and hone the aspiring professional in them ever since its establishment in 1995. The college is approved by All India Council for Technical Education and it is affiliated to Anna University. Our College is an NAAC accredited with "A" grade. Institution currently offers 9 UG and 5 PG programmes. The Campus is a sprawling expanse of 135 acres that houses the departments and their laboratory infrastructure, accompanied with a house of residence, and a spectrum of comfort like Library which has 60,120 volumes of books, 630 online journals, 201 National Journals, 44 Magazines and Barcode Technology for lending books. Transportation facility with 60 buses, 25 vans and an ambulance, Canteen, ATM and a Post Office in the premises of the college.

ABOUT THE DEPARTMENT

The Department of Information Technology was established in the year 1999 and is the proud holder of the "Best Department Award" in 2003. The Department is re-accredited by NBA. The Student Chapters like CSI, IEEE and ISTE are actively conducting events for the students. The Department has been identified as the Resource Center by Indian Institute of Technology-Bombay (IIT-B) for conducting Spoken Tutorials Program on Open Source Technologies which is an initiative taken by the Government of India that is funded by the National Mission on Education through Information and Communication Technology (NME-ICT).

The Department has taken initiatives to conduct International Certification program in alliance with DELL EMC, AWS, ORACLE and VMware through ICTACT to various department students. Also, the Department has organized Faculty Development Program for the faculty in alliance with VMware, DELL EMC and ORACLE. Many Sponsored Seminars, Workshops and Conferences have been conducted on Data Mining, Image Processing and Wireless Sensor Networks at National and International level.. The Department has conducted a 24 Hours Learnathon Program in alliance with Sales force to various department students.

ABOUT THE PROGRAM

Data analysis has become an essential part of everyday life and emerged as a critical component of modern business intelligence in recent years. Data scientists have a number of option to analyze data using statistical methods. This course will help you to learn how to tackle data analysis problems. Participants will able to understand how data is created, stored, accessed. What you learn in this course will give you a strong foundation in all the areas that support analytics. Participants will also learn how to compute various statistical measures, create meaningful data visualizations and to predict expected future outcomes.

Topics to be Covered

- **Concept of Smart Cities;**
- **Dimension/ component of Smart Cities;**
- **Global experience of Smart Cities;**
- **Global standards and performance benchmarks, Practice Codes;**
- **India 'Smart Cities' Policy and Mission;**
- **Water and Waste management;**
- **Energy Management;**
- **Efficient Urban Mobility and Public Transport;**
- **E-Governance and Citizen Services;**
- **The intersection of Technology, ICT design, Urban Design,, and Urban Planning;**
- **Robust IT connectivity and digitalization;**
- **Challenge and solution in Smart Cities;**
- **Opportunities in Smart Cities**

Resource Persons

Resource persons are identified from highly reputed Institutions and Industry across India.

Certification

Joint certificates shall be issued (by AICTE & Sethu Institute of Technology to those participants who have attended 80% of the sessions and have scored a minimum of 60% marks in the test, conducted towards the end of the program. Seats are allotted purely first come, first serve basis.