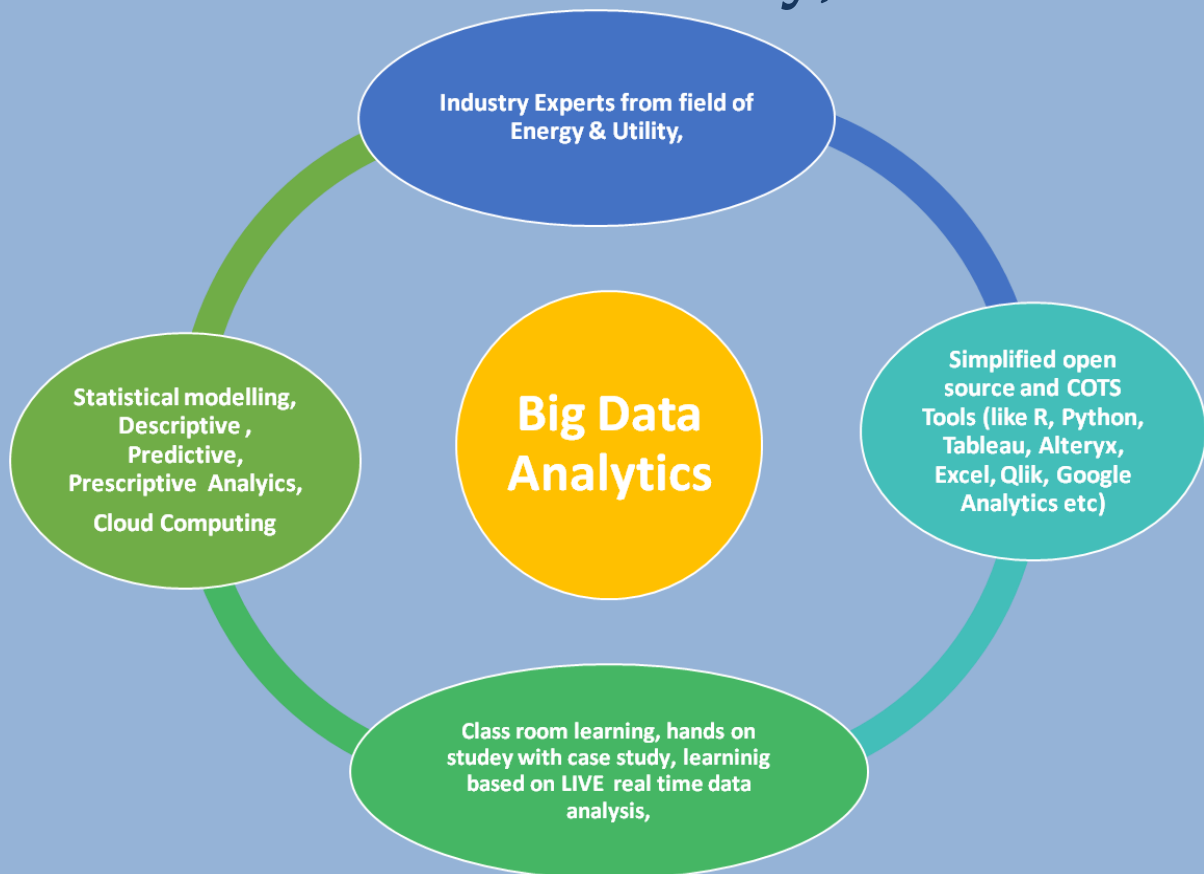


AICTE - Training & Learning (ATAL) Academy

Sponsored Program on

Data Sciences

24th-28th February, 2020



**Venue - NPTI , Alappuzha
Kerala**

Organized by

NATIONAL POWER TRAINING INSTITUTE

A National Apex Body for Training in Power Sector

(An ISO 9001:2015 & 14001:2015 Organization)

Ministry of Power, Government of India

Pallipuram, Cherthala Taluk

Alappuzha , Kerala

www.npti.gov.in

About NPTI:

National Power Training Institute (NPTI) an ISO 9001 & ISO 14001 organization under Ministry of Power, Govt. of India, is a National Apex body for Training and HRD in Power Sector with its Corporate Office at Faridabad. NPTI is the world's leading integrated power training institute and it is operating on an all India basis through its regionally located Institutes at Faridabad, Badarpur, Nangal, Bengaluru, Neyveli, Durgapur, Guwahati and Nagpur. NPTI is establishing two new institutes at Alappuzha (Kerala) and Shivpuri (MP) which would be operational shortly. NPTI has more than 50 years of professional expertise in the field of training and HRD in Power sector with industry specific interface.

Program Overview:

Today's technologically-driven society, terabytes of data is being generated every day. Traditionally, business intelligence has been helping firms analyze their historical data. However, tables turned when Data Analytics gave the power to predict events and suggest actions. What to do with that information, and how to mine it for trends, insights and predictors of future behaviour, has increasingly become a key driver for a successful business. Due to its potential, the past few years have witnessed a phenomenal growth in the reach of data analytics.

The domain of analytics is going to be immensely lucrative for young professionals with the right skills, aptitude and attitude. As more and more businesses and government organizations across the world are going to put their faith in data-driven decisions, a plethora of roles are emerging in this – such as Internet of Things (IoT) architect, marketing technologist, technology broker and chief data officer apart from the in demand roles like Data Scientists, Data Engineers, Big Data Analysts, Data Strategist, Data Architect, Data Visualization Analyst, Data Quality Manager etc. A well-trained business analyst is going to be a much sought-after professional in the foreseeable future.

Target Audience: Faculty members and PhD research scholars of AICTE affiliated educational institutions are eligible to participate. There is no registration fees for the course and maximum 50 participants will be allowed to register. Participants will be provided only tea/ working lunch during the course. No TA/DA will be given to any participants and they have to make their own arrangements for stay.

All correspondence should be addressed to:

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**For more details about AICTE- ATAL Academy please visit
www.aicte-india.org/atal**

(National Power Training Institute - Alappuzha, Kerala)

Title of the Workshop: Data Sciences

From 24/02/2020 To 28/02/2020

PRE-REQUISITES

- Introduction to Programming
- Probability

Dates	10:00 AM to 11:30 AM	11:30 AM to 12.00 PM	12.00 PM to 1.30 PM	1.30 PM to 2:30 PM	2:30 PM to 4.00 PM	4:15 PM to 4:45 PM
24/02/2020	Registration and Inauguration	High Tea	Session 1 Introduction to Data Science	Lunch	Session 2 Programming Tools for Data Science	Tea
25/02/2020	Session 3 Working with Data	Tea	Session 4 Data Visualization and API's	Lunch	Session 5 Lab/Hands on Exp.	Tea
26/02/2020	Session 6 Introduction to Tool R /Python	Tea	Session 7 Syntax and Data Type	Lunch	Session 8 Lab/Hands on Exp.	Tea
27/02/2020	Session 9 Data Modelling & Statistical Analysis	Tea	Session 10 Business Modelling	Lunch	Session 11 Lab/Hands on Exp.	Tea
28/02/2020	Session 12 Business Modelling	Tea	Session 13 Case Studies	Lunch	Session 14 Open Discussion	Valediction