



Indian Institute of Information Technology, Nagpur

BSNL-RTTC, Beside Balaji Temple, Seminary Hills, Nagpur - 440 006

www.iiitn.ac.in

Call for Participation in Online One Week Workshop On

“Data Science & Analytics Using Python”

DSAP - 2020

30th Nov 2020 to 4th December 2020

Organized by

Indian Institute of Information Technology, Nagpur

Sponsored by

ATAL - AICTE, New Delhi

Introduction

Indian Institute of Information Technology Nagpur (IIITN), is one of the Indian Institutes of Information Technology (PPP) in the country, set up with the objective of making available facilities for higher education, research and training in various fields of Information Technology. To address the challenges faced by the Indian IT industry and growth of the domestic IT market, the Ministry of Human Resource Development (MHRD), Government of India has established IIIT's. Indian Institute of Information Technology Nagpur (IIITN) is established in year 2016 by the MHRD, Government of India, Government of Maharashtra and Industry Partner Tata Consultancy Services (TCS), Mumbai. IIITN currently offering B.Tech. and PhD. programs in CSE and ECE.

Objective

- To understand the foundation of Data Science
- Comprehensive overview of Python for Data Science
- Collect, clean, explore, munge and manipulate data
- To meet growing needs in Data Science among the faculty and students
- To build the Data Science applications using Machine learning and Deep learning

Workshop Contents

- Introduction to Data Science
- Mathematics for Data Science
- Data Manipulation and Data Visualization using python
- Machine Learning and Deep Learning Techniques/Models for Data Science

Target Audience

Faculty of Science & Engineering Departments, PG students, and Research Scholars from AICTE approved institutions.

Workshop Coordinator

- Dr. Jitendra V. Tembhone

Important Dates

- Workshop Dates : 30th Nov to 4th Dec 2020

Workshop Registration

- Participants are requested to visit institute website or ATAL website
- Once the registration is confirmed, the details will be mailed to the participants.
- Registration will be done strictly on First Come First Serve (FCFS) basis, as seats are limited.

Workshop Fees

- No fees for participants

Contact Information

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Name of the Institute/Organization: **Indian Institute of Information Technology, Nagpur**

Title of the Workshop: **Data Science & Analytics Using Python (DSAP - 2020)**

From 30th Nov to 4th December 2020

Schedule

Dates	10:00 AM to 11:30 AM		12.00 PM to 1.30 PM		2:30 PM to 4.00 PM	
30th Nov, 2020	Inauguration	Tea	Session 1 Introduction to Data Science & Application in Various Domains	Lunch	Session 2 Mathematics for Data Science – Part – I	
1st Dec, 2020	Session 3 Mathematics for Data Science – Part – II		Session 4 Data Analytics Techniques Using Python		Session 5 Data Visualization Using Python / Stress Management	Stress Management (4:00 to 4:30 PM)
2nd Dec, 2020	Session 6 Dimensionality Reduction		Session 7 Introduction to Machine Learning		Session 8 Supervised & Unsupervised Learning / Stress Management	Stress Management (4:00 to 4:30 PM)
3rd Dec, 2020	Session 9 Classification & Regression		Session 10 Support Vector Machine Part - I		Session 11 Support Vector Machine Part - II	
4th Dec, 2020	Session 12 Decision Trees & Applications		Session 13 Deep Neural Networks		Session 14 Sequence Models & Applications	Valedictory (4:15 to 4:45 PM)