रा.इ.सू.प्रौ.सं
NIELIT

National Institute of Electronics
and Information Technology
(An ISO 9001:2015 certified Organization)
Ministry of Electronics and Information Technology
Government of India

Online Course Prospectus

Big Data Analytics

Course Description

This 4 weeks Course has been specifically designed for the candidates who are working or aspiring to work in industry, academia or scientific and research fields. The course gives an insight of the Big Data concepts and technologies and focuses on giving sufficient practical exposure to the candidates.

Click Here to Register

OR

Scan QR Code

Who can attend?

Anyone who is interested to build their career in Big Data Analytics domain, including:

- ❖ Fresh graduates who wish to build their career in Big Data Analytics.

- ❖ Experienced professionals who want to switch to Big Data Analytics Domain.

- ❖ Faculty Members, Research Scholars who want to specialize in Big Data Analytics

Course Content

- ✓ Introduction to Big Data

- ✓ Data Mining

- ✓ Data Warehousing

- ✓ Data Preprocessing Technique using Python

- ✓ Hadoop Ecosystem

- ✓ Case Studies Of Data Science

Prerequisite

- ✓ Familiarity with RDBMS

- ✓ Basic Knowledge of Python

Duration

4 / 6* Weeks (* *Six Weeks programme includes project of 2 weeks duration. No additional fee will be charged for project*)

Certificate

e-Certificate will be issued to each participant after completion of the training. Participant needs to maintain minimum 75% attendance during the online classes and is required to score minimum 50% marks in the online test in order to successfully complete the course

Minimum Requirements

- ❖ Attendees must have a computer system with a good internet connection.
- ❖ Computer System Configuration – 4 GB RAM and Windows/Linux OS
- ❖ Oracle VirtualBox
- ❖ Basic Knowledge of C and Data Structure

How to Apply

Interested candidates may apply online on the link: https://nielit.gov.in/haridwar/content/online-courses after submitting the Course Fee in following account:

Name	NIELIT Haridwar
Account Number	12922122001331
IFSC Code	PUNB0129210
Bank Name	Punjab National Bank
Branch	Pentagun Mall, SIDCUL, Haridwar

NOTE: Copy of transaction slip is required to be uploaded at the time of filling online form. Candidate may keep a copy of the same for future reference.

Terms and Conditions

1. In case, any registered candidate could not attend the online session due to technical issue at their side there will not be any refund of the course fee and the sessions will not be repeated.

2. In case, the online course is cancelled/postponed due to some technical issue at NIELIT side and new date is not convenient to the candidate, our liability is limited to the refund of the course fee and NIELIT shall not be responsible for any consequential damages.

Day Wise Schedule

Day	Topic	Day	Topic	Day	Topic
Day #01	Big Data Overview, What is Big Data? Type of Big Data Characteristics of Big Data Benefits of Big data.	Day #02	Big Data Architecture, Introduction of Big Data Technologies, Big Data Limitations.	Day #03	Introduction of Data Mining
Day #04	Introduction of Data Warehouse	Day #05	Basics of Python Language	Day #06	Hands on Python NumPy library for handling data.
Day #07	Hands on Python pandas library for handling dataset	Day #08	Hands on Python nltk library for handling textual data	Day #09	Different kinds of Preprocessing Techniques, cleaning algorithm
Day #10	Hands on preprocessing technique using python	Day #11	Introduction to machine learning algorithm	Day #12	Implementation of some machine learning algorithm using python language
Day #13	Introduction to Hadoop Ecosystem.	Day #14	Text analysis of twitter data using python language	Day #15	Text Analysis of Facebook Data using Python language
Day #16	Introduction to Recommendation system using big data technology	Day #17	Introduction to sentiment analysis using big data technology.	Day #18	Case study1
Day #19	Case Study 2	Day #20	Case Study 3		

Course Coordinator

Mr. Varun Mishra

Ph: 9368349990, Email: haridwar@nielit.gov.in

Mr. Saurabh Dhyani

Ph: 9589261860, Email: saurabh@nielitharidwar.onmicrosoft.com

Faculty Profile

Mr. Saurabh Dhyani, BSC (Mathematics), MCA, Ph.D. (being awarded from NIT Bhopal) With 5+ year experience, UGC NET qualified, Gate qualified, CSIR NET qualified.

NIELIT Haridwar is the Regional Centre of NIELIT in the state of Uttarakhand and is situated in SIDCUL Haridwar. It is well known for the advanced training programmes in the areas of Future Skills such as **Cloud Computing, Machine Learning, Artificial Intelligence, Internet of Things, MATLAB, Big Data, Embedded Systems etc** in addition to the various National Skill Qualification Framework (NSQF) aligned long-term and short-term courses in Electronics & Information Technology. The Centre has **MOUs** with various prestigious institutions and Universities of Uttarakhand for academic collaboration, technical support, summer/industrial training and internships of the students. The Centre provides a conducive learning environment with the state-of-the-art infrastructure and expert faculties.

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Scan QR Code to join our Whatsapp Group

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