

Training Programme for Government Officials (GoT-Basic) on

BIG DATA & DATA SCIENCE

Under FutureSkills PRIME Scheme

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NIELIT Chandigarh in association with CDAC is organizing a five-day free of cost training programme on **Big Data & Data Science (BDDS)** for Government officials under FutureSkills PRIME Scheme.

About Training Programme

Government of India has sanctioned a project FutureSkills PRIME (Programme for Re-skilling/Up-skilling of IT Manpower for Employability), which will be implemented as a new Central Sector Scheme under the "Champion Services Sector Scheme (CSSS)". This project will be executed jointly by NASSCOM, NIELIT, and CDAC across PAN India as per the directions issued by the Ministry of Electronics and Information Technology (MeitY), Government of India. The project includes training programmes in ten emerging technologies, with **Big Data and Data Science (BDDS)** being one of the key areas of focus.

Objective of Training Programme

The objective of the training programme is to provide Government officials with an understanding of **Big Data and Data Science (BDDS)** concepts and their importance in business. Participants will gain exposure to Data Science using Python, along with the skills required to analyze real-world data through case studies. The training aims to create awareness about the impact of **Big Data and Data Science (BDDS)** in enhancing decision-making processes within the public sector.

Target Audience

The training is for employees having prior experience in IT/ITeS & related areas and working in Central/State Governments, PSUs & Autonomous organizations.

Brief Contents

Day	Contents
1	Introduction to Big Data & Hadoop Ecosystem (HDFS, YARN, MapReduce)
2	Introduction to Spark, DataFrames, Spark SQL, and Scala Basics
3	Introduction to NoSQL: MongoDB and CRUD Operations
4	Python Basics for Data Science: Libraries (Pandas, NumPy, Scikit-learn), Data Cleaning, and Preprocessing
5	Machine Learning Algorithms and Capstone Project

**Free of cost
Training for
Govt. officials**
Limited Seats



Lead Centre : Centre for Development of Advanced Computing (CDAC), Pune

Co-Lead Centre : NIELIT Chandigarh

Ropar Campus: Bada Phull, Birla Farms, (near IIT Ropar) Ropar
Chandigarh: Facility at IETE Building, Sector 30B, Chandigarh

NATIONAL INSTITUTE OF ELECTRONICS & INFORMATION TECHNOLOGY (NIELIT)

Ministry of Electronics and Information Technology (MeitY),
Government of India



BIG DATA & DATA SCIENCE

