



National Institute of Electronics and Information Technology Chandigarh

An Autonomous Scientific Society under the administrative control of
Ministry of Electronics & Information Technology (MeitY), Government of India

Permanent Campus at Birla Farms, Bada Phull, (adj. to IIT Ropar)
Rupnagar (Ropar)- 140001

BootCamp

on

Big Data & Data Science

under FutureSkills PRIME Scheme





FutureSkills Prime, India's Technology Skilling Hub, is a joint initiative by NASSCOM & MeitY, Govt of India to enable digital skilling at scale. It aims to make India the Digital Talent Nation by democratising learning. With NASSCOM Certifications endorsing their technology skills, learners can open doorways to digital career opportunities.

Build the Skills to Rise with the Opportunity

Acquire interdisciplinary skills that combine technical expertise, IT skills and knowledge of digital technologies to pioneer transformation. Develop expertise for in-demand roles like data scientist, business intelligence analyst, full stack developer, information security analyst, machine learning engineer, etc.



FutureSkills PRIME – ten technologies

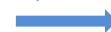
- ✓ Artificial Intelligence
- ✓ Virtual Reality
- ✓ Big Data Analytics
- ✓ Blockchain
- ✓ Cloud Computing
- ✓ Cybersecurity
- ✓ Internet of Things
- ✓ Web & Mobile Development
- ✓ Robotic Process Automation
- ✓ 3D Printing

Bootcamp conducted since 2024

- ❖ SGTB Khalsa College, Sri Anandpur Sahib, Punjab
- ❖ Lamrin Tech Skills University, SBS Nagar, Punjab
- ❖ Chandigarh Group of Colleges (CGC), Landran Mohali, Punjab
- ❖ Khalsa College Garhdiwala, Hoshiarpur, Punjab
- ❖ CASSM - Institute for Development and Communication (IDC), Chandigarh
- ❖ Guru Kashi University, Talwandi Sabo, Bathinda, Punjab
- ❖ Bibi Sharan Kaur Khalsa College, Sri Chamkaur Sahib, Ropar, Punjab
- ❖ Mata Gujri College, Fatehgarh Sahib, Punjab



For more details, visit our website



**28 million
new tech jobs**
will be created in India
by 2025.

Bootcamp

on

Big Data & Data Science under FutureSkills PRIME Scheme

Executive Director

Deepak Wasan

Executive Director

01881-257002

NIELIT Chandigarh in association with CDAC is organizing free of cost Bootcamp on **Big Data & Data Science** for college students under FutureSkills PRIME Scheme.

Chief Investigator

Anita Budhiraja

Additional Director

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9815988717

a.budhiraja@nielit.gov.in

About Training Programme

This program provides a comprehensive understanding of **Big Data and Data Science**, with hands-on experience in tools like Hadoop, Spark, and Python. Participants will learn to analyze data and build predictive models for real-world applications.

Objective of Training Programme

The main objectives of the course were as follows:

- Understand the Big Data and Data Science Concepts and its usefulness in business.
- Get exposure on Data Science using Python.
- Analyze real world data with help of case study.

Coordinator

Dr. Sarwan Singh

Joint Director

9815621657

sarwan@nielit.gov.in

Target Audience

Any engineering/Science graduate with mathematics up to senior secondary.

Speakers:

Anita Budhiraja

Dr. Sarwan Singh

Lovnish Verma

Ravi Kant

Brief Contents

- Introduction to Big Data, Data Science, and industry applications
- Overview of Hadoop, Spark, HDFS, and NoSQL (MongoDB)
- Python for Data Analysis and Machine Learning
- Data cleaning, preprocessing, and statistical analysis
- Data Visualization using Python (Matplotlib, Seaborn)
- Machine Learning algorithms: Linear & Logistics Regression
- Introduction to Deep Learning: Neural Networks, ANN, CNN
- Capstone Project: Real-world data analysis and solution development

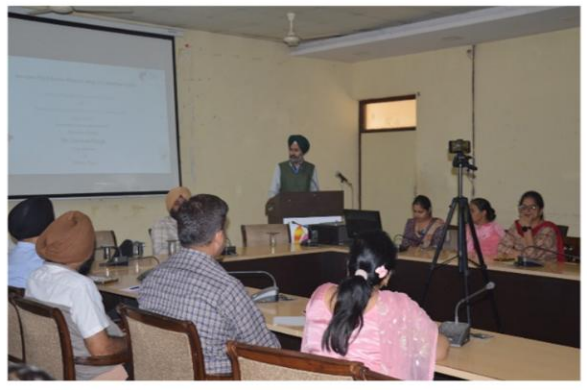


Lead Centre : Centre for
Development of Advanced
Computing (CDAC), Noida

Co-Lead Centre : NIELIT Chandigarh

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

Sri Guru Teg Bahadur Khalsa College, Sri Anandpur Sahib



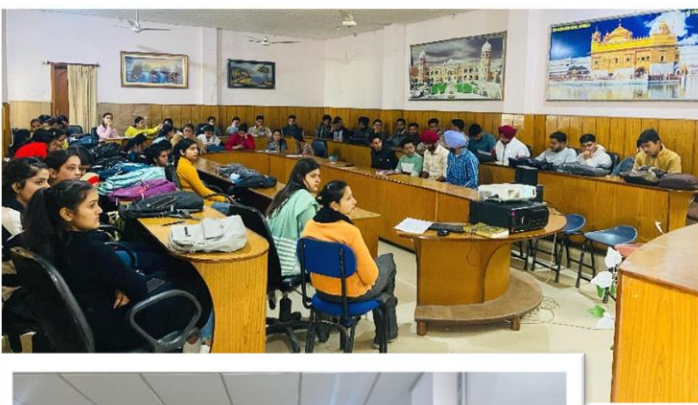
Lamrin Tech Skills University, Punjab



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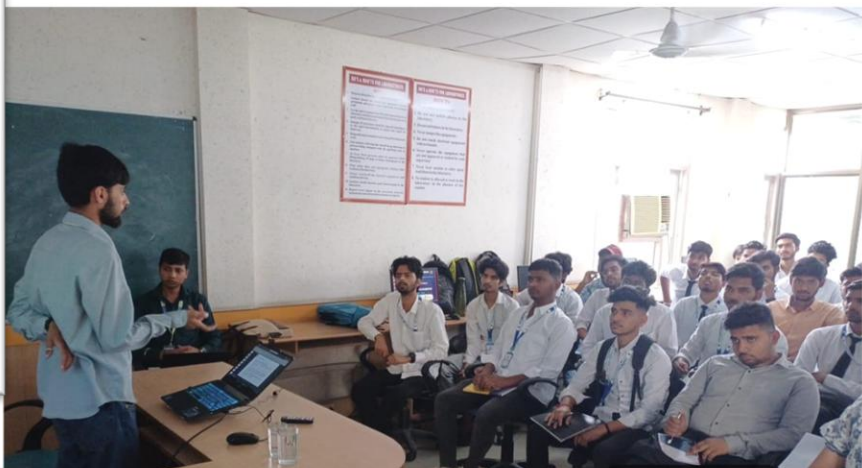
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Mata Gujri College, Fatehgarh Sahib (Punjab)



Bootcamp

Sample Certificate and ScoreCard



MINISTRY OF
ELECTRONICS &
INFORMATION TECHNOLOGY
GOVERNMENT OF INDIA



futureSkills
PRIME



सी डैक
CDAC



रा.इ.सू.पी.सं
NIELIT

CERTIFICATE OF COMPLETION

This is to certify that

Veerinderjit Singh

has successfully completed

Bootcamp

On

Big Data & Data Science

conducted by

NIELIT Chandigarh in association with Khalsa College, Garhdiwala, Hoshiarpur
held during March 03, 2025 to March 07, 2025
as part of FutureSkills PRIME Project




Anita
Anita Budhiraja
Chief Investigator
Scientist E
NIELIT Chandigarh




Deepak Wasan
Center Head
Executive Director
NIELIT Chandigarh

Date of Issue: 10th Mar, 2025 FSP/BCMP/NIELITCHD/BDDS/CDAC/NOI/B01/2503/314


FutureSkills PRIME - A MeitY & nasscom Digital Skilling Initiative




MINISTRY OF
ELECTRONICS &
INFORMATION TECHNOLOGY
GOVERNMENT OF INDIA



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PRIME



सी डैक
CDAC



रा.इ.सू.पी.सं
NIELIT


SCORE CARD (Bootcamp)

Center Name : NIELIT Chandigarh
Course Name : Big Data & Data Science
Candidate Name : Prabhjot
Certificate Number : FSP/BCMP/NIELITCHD/BDDS/CDAC/NOI/B01/2503/281
Course Code : FSP/NIELITCHD/BDDS/CDAC/NOI/B01/2503/314

Sl. No.	Module Name	Max. Marks	Marks Obtained		Overall (A+B)
			Practical (A)	Theoretical (B)	
	Big Data & Data Science	100	35	60	95
Maximum Marks		100	Total Marks Obtained		95

Overall Performance*: Outstanding
Date of Issue: 10th Mar, 2025

*As per the letter grade tabulated on the back side



Chief Investigator
Anita Budhiraja
Scientist E
NIELIT Chandigarh

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