

Short Term Course-NIELIT

Certificate Course in Big Data & Hadoop

Objective of the Course:

Big Data and Hadoop training course is designed to provide knowledge and skills to become a successful Hadoop Developer. In –depth knowledge of concepts such as Hadoop Distributed File System, Hadoop Cluster –Single and multi node, Hadoop 2.0, Map–Reduce etc will be covered under this training.

Learning Outcomes:

After the completion of the course, the students will be able to analyse and work upon voluminous data of any organization from various perspectives and will be able to develop reports and trends may be seen and decisions with regards to business activities running in organizations may be taken.

Duration of the Course (in hours): 60 hrs

Course Fee: Rs.9000/- +GST

Minimum Eligibility Criteria:

Undergoing B.E.(CS/IT)/B.Tech(CS/IT)/MCA/M.Sc.(CS/IT)/B.Sc(CS/IT)/BCA Or NIELIT A/B -Level/PGDCA

Prior Knowledge: Working knowledge of any one programming language (Java preferable).

Course Outline:

<u>S. NO.</u>	<u>TOPIC</u>	<u>HOURS</u>
1	Introduction to Big data	4
2	Introduction to Hadoop and HDFS	4
3	Installation of Hadoop	8
4	Hadoop MapReduce Framework	6
5	MapReduce with Java	20
6	HIVE and HiveQL	6
7	PIG	6
8	Use Cases and discussions	6
	Total	60

Books and References

1. Mayank Bhushan , “Big Data and Hadoop – learn by Example”, BPB publication 2018.
2. Tom White “ Hadoop: The Definitive Guide” Third Edit on, O’reily Media, 2012.
3. Seema Acharya, Subhasini Chellappan, "Big Data Analytics" Wiley 2015.