



LIVE LECTURES

**CERTIFICATE IN  
ARTIFICIAL INTELLIGENCE  
AND  
MACHINE LEARNING**

Live Course (Live Lectures)

## **COURSE OVERVIEW**

This course offers core concepts behind big data problems, applications, and systems. It is for those who want to start thinking about how Big Data might be useful in their business or career. This course covers the framework of Hadoop, which has made big data analysis easier and more accessible -- increasing the potential for data to transform into information.

## **COURSE OBJECTIVE**

Big data enables you to gather data from social media.

Big data delivers personalized offers, reduces customer churn, and handles issues proactively.

## **SKILLS YOU WILL LEARN**

Big data delivers personalized offers, reduces customer churn, and handles issues proactively.

## **COURSE SKILL SET**

- Data Introduction
- Deep Dive Into Apache Spark and Scala
- MongoDB
- Hadoop Practice Guide



## PROGRAM HIGHLIGHTS

- Instructor- Dr. Priti Maheshwary | / Dr. Pooja Bijlani
- Duration- 6 Months
- Eligibility- Any graduate with a Science stream
- No. of Modules - 33
- Placement training- Yes
- Language-English
- Shareable certificate- Yes
- Webinar- Yes

## PROGRAM SYLLABUS

### Paper 1

#### Data Introduction

Chapter 1 - Introduction To Data

Chapter 2 - Data Processing

Chapter 3 - Control Program for Microcomputer or Microsoft Excel

Chapter 4 - Statistics Data Analysis

**Video Lecture**

Internal Assessment

### Paper 2

#### DEEP DIVE INTO APACHE SPARK AND SCALA

Chapter 1 - Apache Spark and Scala

Chapter 2 - Apache Spark Framework

Chapter 3 - Data Frames and Spark SQL

Chapter 4 - Machine Learning using Spark Mllib

Internal Assessment

### Paper 3

#### MONGODB

Chapter 1 - Connect to MongoDB

Chapter 2 - MongoDB Security, Backup

**Video Lecture**

Internal Assessment

### Paper 4

#### Hadoop Practice Guide

Chapter 1 - Hbase

Chapter 2 - Hive

Chapter 3 - Pig

Chapter 4 - Sqoop

Internal Assessment



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