

Powered by
Tech Mahindra



MAKE IT
BIG
WITH
BIG DATA
ANALYTICS



upx
Move up in life



www.upxacademy.com
1800-123-1260

About us

UpX Academy is an ed-tech platform providing advanced professional training in Big Data Analytics that helps individuals and businesses rise to the advanced skill requirements of the current industry. Powered by IT major Tech Mahindra, UpX Academy provides industry oriented courses on Big Data Analytics, Data Science & Machine Learning delivered by world-class faculty who also have more than 7+ years of prior working experience in above areas.

Designed by industry experts, our courses integrate real-world hands-on training with case studies and projects using datasets from companies like Amazon, Nike, Yelp, Walmart, etc. This training is supported with teaching assistance which allows individuals to develop hands on skills by applying the concepts and becoming technically proficient.



UpX Academy is committed to address the growing requirements of the industry by providing the best-in-class training that empowers professionals to approach real-world scenarios.



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**COMMON
APPLICATIONS OF
BIG DATA ANALYTICS
& DATA SCIENCE**



Shopping recommendations
to enhance customer
experience



Analyse purchase patterns
and behaviour to optimize
customer experience



Friend suggestions and
Targeted Advertising



Identify credit risk and fraud
detection



Customized entertainment
and music listings



Determine dynamic pricing
based on traffic congestion

LEADERS SPEAK

The Job of the Future

Data Scientist -The sexiest job of 21st century

- Harvard Business Review

High Demand, Low Supply

By 2018, US alone will have a shortage of ~1.5 million Big Data skilled professionals

- McKinsey

Attractive Salaries

A Data Scientist draws an average salary of \$118,000 – 2X higher than that of a software engineer

- Glassdoor

A GATEWAY TO A WORLD OF NEW OPPORTUNITIES



Telecom



HR



Banking &
Finance



Retail



Healthcare



IoT



Social Media



E-Commerce

■ What's new in September 2018 batch

	OLD	NEW
Duration	Regular	Regular + Fast track
Format	LIVE online Instructor led	LIVE online Instructor led + Self paced
Course content	Complete	Complete
Choice of tracks	✘	✓
Choice of electives	✘	✓
Payment	All in one go	Staggered

SUBJECTS & TRACKS

BIG DATA ANALYTICS PROGRAMME

(Combination of Big Data & Data Science Tracks)

WORLD'S FIRST

6 MONTH CERTIFICATE PROGRAMME

SPECIALIZATION

FOUNDATION

		6 MONTH CERTIFICATE PROGRAMME	SPECIALIZATION	FOUNDATION
BIG DATA	Hadoop Spark MongoDB, HBase Sqoop & Flume*	✓ ✓ ✓	✓ ✓ ✗	✓ ✗ ✗
DATA SCIENCE	Data Analytics with Python Machine Learning Data Visualization with Tableau*	✓ ✓ ✓	✓ ✓ ✗	✓ ✗ ✗

*Recorded videos

DATA SCIENCE TRACKS









WORLD'S FIRST

FOUNDATION

SPECIALIZATION

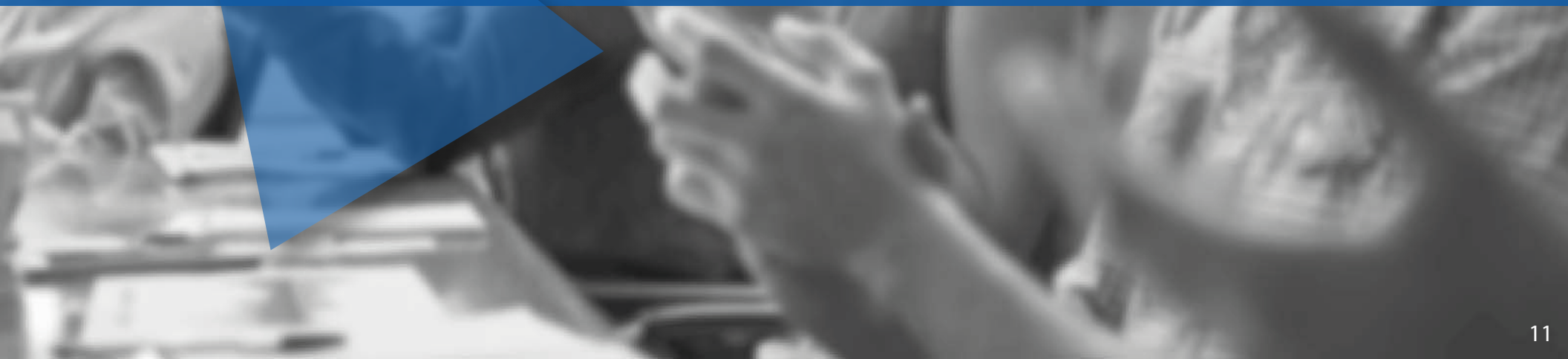
SUPER
SPECIALIZATION

6 MONTH CERTIFICATE
PROGRAMME

		FOUNDATION	SPECIALIZATION	SUPER SPECIALIZATION	6 MONTH CERTIFICATE PROGRAMME
CORE MODULES	Data Analytics with Python <hr/> Machine Learning <hr/> Data Visualization with Tableau	 Any 1 core module	 Any 2 core modules	 Any 2 core modules	 Includes 3 core modules
ELECTIVES	Data Analytics with R <hr/> Advance Machine Learning <hr/> Deep Learning with NLP			 Any 1 elective module	 Includes 3 elective modules

Elective modules are recorded

COURSE FEES



6 MONTH CERTIFICATE PROGRAMMES

6 Month Certificate Programme	Duration	Course Fee	Discounted Fee
6 Month Certificate Programme in Big Data Analytics	6 Months	80000	48000
6 Month Certificate Programme in Data Science	6 Months	80000	48000

Plus applicable GST



Instructor-led
Weekend/Fast track
course



Next Batch Starts on
29th September



Enrolment deadline is
16th September



3 month EMI option with
ICICI, HDFC, Axis, AMEX,
IndusInd & Kotak Mahindra



Use coupon code UPX40 on our website to avail 40% discount on 6 Month Certificate Programme.
Additional discounts on group enrolments of 2 or more.

BIG DATA ANALYTICS TRACKS

Courses	Duration	Course Fee	Discounted Fee
Big Data Analytics Foundation	11 weeks	40000	32000
Big Data Analytics Specialization	19 weeks	60000	39000
6 Month Certificate Programme in Big Data Analytics	29 weeks	80000	48000

Plus applicable GST



Instructor-led
Weekend/Fast track
course



Next Batch Starts on
29th September



Enrolment deadline is
16th September



3 month EMI option with
ICICI, HDFC, Axis, AMEX,
IndusInd & Kotak Mahindra



Use coupon code UPX20 to avail 20% discount on our website on Foundation track.
Use coupon code UPX35 to avail 35% discount on our website on Specialization Programme.
Use coupon code UPX40 to avail 40% discount on our website on 6 Month Certificate Programme.
Additional discounts on group enrolments of 2 or more.

DATA SCIENCE TRACKS

Courses	Duration	Course Fee	Discounted Fee
Data Science Foundation	5 weeks	20000	16000
Data Science Specialization	10 weeks	40000	32000
Data Science Super Specialization	14 weeks	60000	39000
6 Month Certificate Programme in Data Science	6 Months	80000	48000

Plus applicable GST



Instructor-led
Weekend/Fast track
course



Next Batch Starts on
29th September



Enrolment deadline is
16th September



3 month EMI option with
ICICI, HDFC, Axis, AMEX,
IndusInd & Kotak Mahindra



Use coupon code UPX20 to avail 20% discount on our website on Foundation and Specialization track.
Use coupon code UPX35 to avail 35% discount on our website on Super Specialization Programme.
Use coupon code UPX40 to avail 40% discount on our website on 6 Month Certificate Programme.
Additional discounts on group enrolments of 2 or more.

COURSE FEATURES



COURSE FEATURES



Curriculum

Designed by experts
Knowledge repositories, Pre-reads,
Videos, Assignments &
Installation guides



Application based learning

Theory
▼
Hands-on
▼
Case study
▼
Project



Mentor Connect

Get exclusive one on
one mentor guidance



Industry specific projects

Choose group project from
BFSI, Retail, Healthcare,
Entertainment, Airlines & Sports



Dedicated Student Support Team

Help beyond the
classroom hours



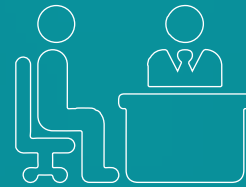
Discussion forum

Always buzzing with students
interacting with each other

CAREER SUPPORT



Interview preparation
guides



Exclusive Industry
immersion Sessions



Exclusive
Resume workshop
session by an expert



Integrating real world
projects to make your
resume world class



Extra sessions on cutting
edge technologies



CERTIFICATION

LEVEL 1



CERTIFICATE
OF COMPLETION



LEVEL 2



CERTIFICATION



FACULTY

Our world-class faculty are experienced working professionals working in senior positions of top-tier companies like



PROJECTS

Real world datasets from companies like Nike, Yelp, Amazon, Netflix etc. are provided to our students for them to work in groups and get accustomed to the industry-experience.

The Amazon logo, featuring the word "amazon" in a lowercase, sans-serif font with a curved orange arrow underneath it pointing from the letter 'a' to the letter 'z'.The Twitter logo, consisting of the word "twitter" in a lowercase, blue, sans-serif font followed by a blue bird icon.The Walmart logo, featuring the word "Walmart" in a blue, sans-serif font followed by a yellow six-pointed starburst icon.The Nike logo, consisting of the word "NIKE" in a bold, italicized, black, sans-serif font with a black swoosh underneath it.The ZIKA logo, featuring the word "ZIKA" in a yellow, sans-serif font followed by a yellow virus-like icon with a central orange dot and radiating lines.The Netflix logo, consisting of the word "NETFLIX" in a bold, red, sans-serif font.The Yahoo! Finance logo, featuring the word "YAHOO!" in a blue, sans-serif font with an exclamation point, and the word "FINANCE" in a smaller, blue, sans-serif font below it.The Vodafone logo, consisting of a red speech mark icon followed by the word "vodafone" in a red, lowercase, sans-serif font.The Stack Overflow logo, featuring a stylized orange and yellow icon of a stack of books or a flame, followed by the word "stackoverflow" in a black, lowercase, sans-serif font.The Kaggle logo, consisting of the word "kaggle" in a blue, lowercase, sans-serif font.

CURRICULUM

Designed by experts, our Big Data and Data Science curriculum aims at delivering a holistic knowledge to every student from a fresher to a professional.





BIG DATA ANALYTICS

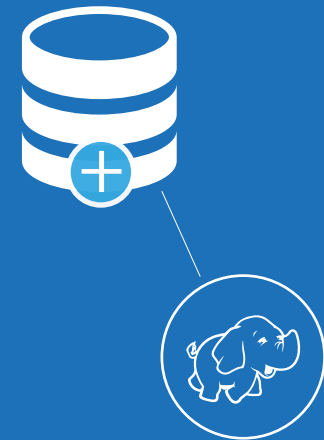
(BIG DATA MODULES)

BIG DATA - CORE MODULE

Hadoop

DURATION : 6 WEEKS

Week 1	Module 1: Introduction to Big Data
	Module 2: Python Essentials - I
Week 2	Module 3: Python Essentials - II
	Module 4: Introduction to Hadoop
Week 3	Module 5: Hadoop Architecture & Ecosystem
	Module 6: Hadoop Distributed File System(HDFS)
Week 4	Module 7: Introduction to Map Reduce
	Module 8: MapReduce Programming with Python
Week 5	Module 9: Apache Pig
	Module 10: Apache Pig Hands - on
Week 6	Module 11: Apache Hive
	Module 12: Apache Hive Hands - on



BIG DATA - CORE MODULE

Spark

DURATION : 5 WEEKS

Week 1	Module 1: Programming with Scala-I Module 2: Programming with Scala-II
Week 2	Module 3: Introduction to Apache Spark architecture Module 4: RDD, transformations and actions
Week 3	Module 5: Spark Programming Module 6: Spark SQL
Week 4	Module 7: Spark Streaming - I Module 8: Spark Streaming - II
Week 5	Module 9 Machine Learning with Spark MLlib Module 10: Live Practice session

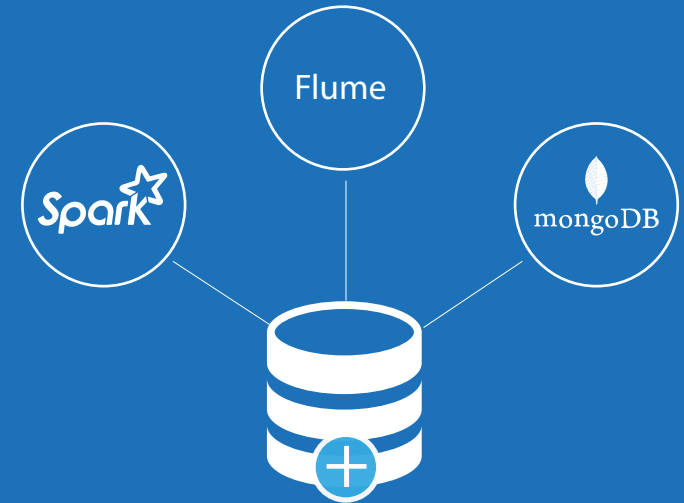


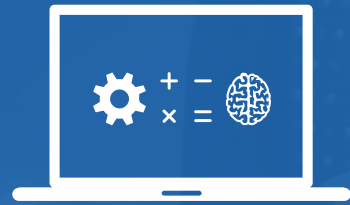
BIG DATA - ELECTIVE MODULE

MongoDB, Hbase, Sqoop & Flume

DURATION : 4 WEEKS (Recorded)

Week 1	Module 1: Introduction to NoSQL
	Module 2: Getting started with MongoDB
Week 2	Module 3: MongoDB Essentials - I
	Module 4: MongoDB Essentials - II
Week 3	Module 5: Hands-on MongoDB
	Module 6: HBase
Week 4	Module 7: SQOOP
	Module 8: FLUME





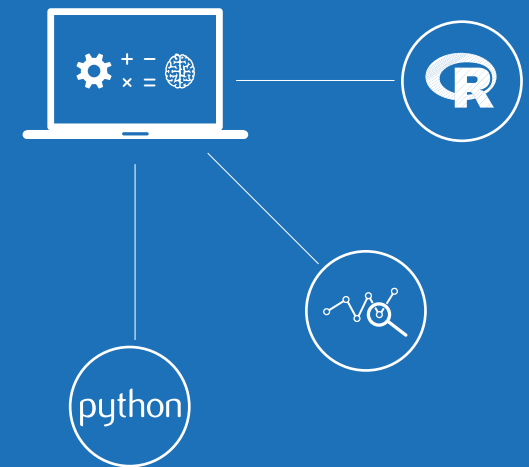
DATA SCIENCE

DATA SCIENCE-CORE MODULE

Data Analytics with Python

DURATION : 5 WEEKS

Week 1	Module 1: Data Science Introduction & Use Cases Module 2: Python Basics: Basic Syntax, Data Structures
Week 2	Module 3: Python Basics: Loops, If-elif statements, Functions, Exception Handling Module 4: Statistics 1: Measures of central tendency, Population, Sample, Probability Distribution
Week 3	Module 5: Statistics 1: Normal and Binomial Distribution, Random Variable, Pictorial Representations Module 6: Python Advanced: Numpy, Pandas
Week 4	Module 7: Python Advanced: Data Manipulation, Matplotlib Module 8: Exploratory Data Analysis: Data Cleaning, Data Wrangling
Week 5	Module 9: Exploratory Data Analysis: Data Visualisation Module 10: Exploratory Data Analysis: Case Study

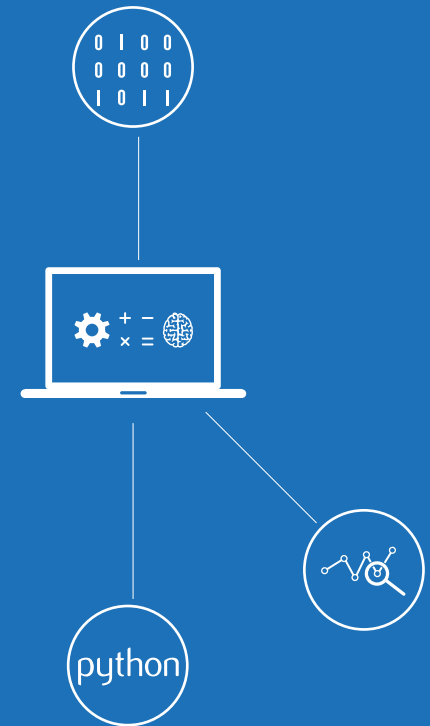


DATA SCIENCE-CORE MODULE

Machine Learning

DURATION : 5 WEEKS

Week 1	Module 1: ML Introduction & Use Cases
	Module 2: Statistics 2 - Inferential Statistics
Week 2	Module 3: Linear Regression
	Module 4: Logistic Regression
Week 3	Module 5: Decision Trees, Random Forest
	Module 6: Modelling Techniques (PCA, Feature Engineering)
Week 4	Module 7: KNN, Naive Bayes
	Module 8: Support Vector Machines(SVM)
Week 5	Module 9: Clustering, K-means
	Module 10: Time Series Modelling

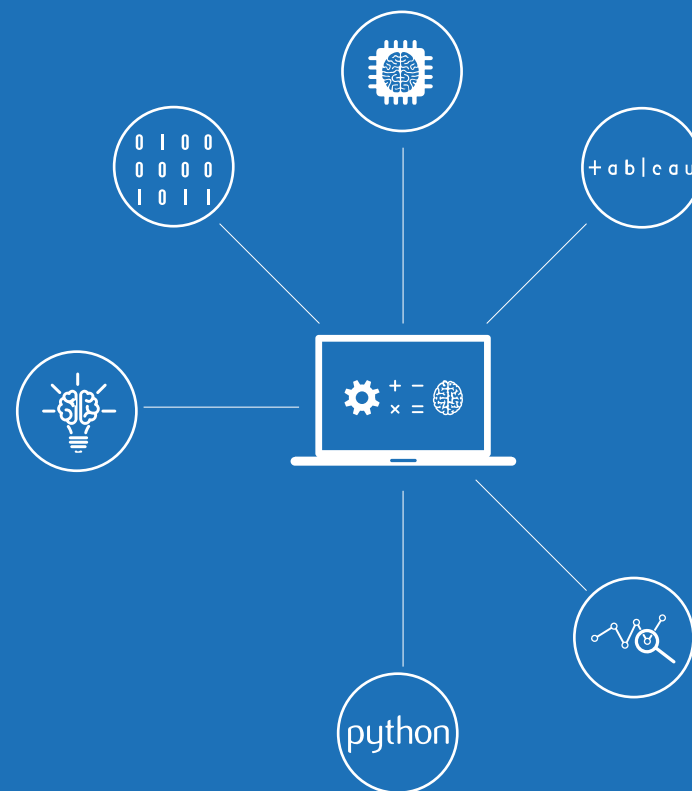


DATA SCIENCE-CORE MODULE

Data Visualization with Tableau

DURATION : 4 WEEKS

Week 1	Module 1: Introduction to Tableau Module 2: Data visualisation
Week 2	Module 3: Analytics concepts with Statistics - I Module 4: Analytics concepts with Statistics - II
Week 3	Module 5: Analytics concepts using calculated fields Module 6: Analytics concepts for integrating dashboards
Week 4	Module 7: Mini project workshop - Visual Analytics Module 8: Integration of Tableau with Python



DATA SCIENCE-ELECTIVE MODULE

Data Analytics with R

DURATION : 5 WEEKS (Recorded)

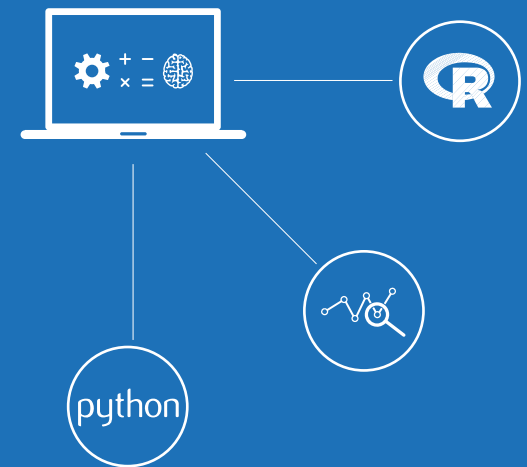
Week 1 Module 1: Introduction to data analytics with industry use cases

Week 2 Module 2: R Basics

Week 3 Module 3: Descriptive and Inferential statistics

Week 4 Module 4: R Advanced

Week 5 Module 5: EDA projects



DATA SCIENCE-ELECTIVE MODULE

Advance Machine Learning

DURATION : 6 WEEKS (Recorded)

Week 1 Module 1: Market Basket Analysis & Apriori Algorithm

Module 2: Recommendation System

Week 2 Module 3: Recommendation System - Mini Project

Module 4: Dimensionality Reduction (LDA, SVD)

Week 3 Module 5: Dimensionality Reduction
(Matrix optimisation)

Module 6: Anomaly Detection

Week 4 Module 7: XG Boost

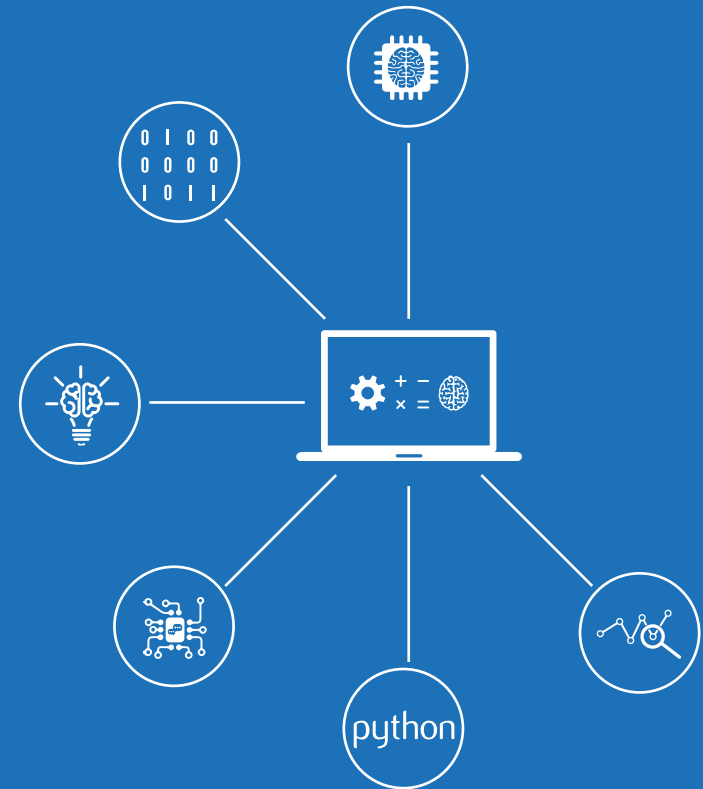
Module 8: Gradient Boosting Machine(GBM)

Week 5 Module 9: Stochastic Gradient Descent(SGD)

Module 10: Ensemble Learning - I

Week 6 Module 11: Ensemble Learning - II

Module 12: Introduction to Neural Networks

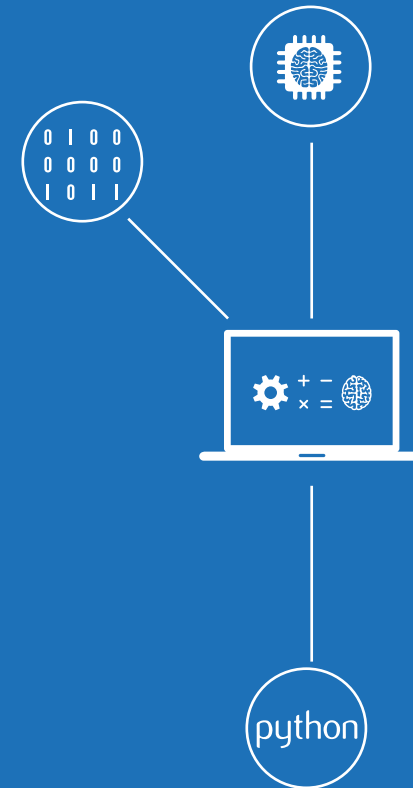


DATA SCIENCE-ELECTIVE MODULE

Deep Learning with NLP

DURATION : 5 WEEKS (Recorded)

Week 1	Module 1: Introduction to NLP & Deep Learning Module 2: Word Embeddings
Week 2	Module 3: Word window classification Module 4: Introduction to Artificial Neural Networks
Week 3	Module 5: Introduction to Tensorflow Module 6: Recurrent Neural Networks for Language modelling
Week 4	Module 7: Gated Recurrent Units(GRUs), LSTMs Module 8: Recursive Neural network
Week 5	Module 9: Convolutional Neural Networks for sentence classification Module 10: Dynamic Memory Networks



Where do the classes take place & what are the class timings?

Batch	Track	Day & Timings	
Weekend/ Fastrack	Big Data Analytics	Sat & Sun	11 am - 1 pm IST
	Data Science		8 - 10 am IST

When do enrolments close?

Enrolments close 2 weeks before a batch starting date.

Do I have to purchase any software?

No, we provide necessary installation guides of the software required.

What are the specific system requirements?

Big Data Foundation & Specialization:

8GB RAM, 500GB hard disk

Deep Learning for NLP:

4GB RAM & i3 processor

What are projects?

Projects are real world datasets from companies like Nike, Yelp, Amazon, Netflix etc. that are provided to our students.

FAQs



FAQs

■ What if I miss a class?

You can access recordings of all classes on our LMS Portal from the week following every class.

■ How do I ask my doubts after the class?

You can get in touch with our student support team even after class hours or can drop a mail to our teaching assistants. You can also ask your doubts in the student discussion groups.

■ Can I see student profiles & reviews from previous batches?

Yes. Log on to our website and click on the student profile tab to see the student profiles & reviews from previous batches.

■ Can I pay the course fees in installments?

Yes. You can avail EMI options using the credit cards of almost every leading bank like ICICI, Kotak Mahindra Bank, Axis Bank, HDFC etc. You can check out details about this on our website.





COORDINATES

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