



BLACKBUCK ENGINEERS PRIVATE LIMITED

HYDERABAD BUSINESS SCHOOL, GITAM DEEMED TO BE UNIVERSITY

[10-Hour Program on Data Science and Machine Learning](#)

All professions need to understand the power of Data science in day-to-day work by understanding basic concepts of Analytics, Statistics, Machine Learning and Data Science. Almost all decisions in today's business world are made based on deep insights that data is providing today.

The 10-hour program online from GITAM Deemed to be University in partnership with Blackbuck, in Data Science, covers the major aspects of the subject in the form of interactive lectures and hands-on industry projects.

[Objectives of the Program](#)

- To enable participants understand how Data Science is used in daily lives and businesses
- To enable the participants to learn basics of Python.
- To enable the participants to learn Data Science using Python.
- To empower the participants in using latest technologies of Data Science (Hands-On).
- To make the participants understand overview of how Exploratory Data Analysis works.
- To provide the participants Hands-on experience in Data science concepts.

[Your Trainer](#)

Mr. ARPIT YADAV

AI ML Researcher, Tensorbrew | Pursuing PhD in Machine Learning | PGP AIML | Trainer in DS/AIML | Speaker | Blogger

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Topics that will be covered

Date	Session	Topic
10 April 2020	Hour 1	Introduction to Data Science
	Hour 2	Implementation of Data Science in Industry
11 April 2020	Hour 3	Python Basics and Installation of Anaconda
	Hour 4	Python Hands-on practice in Jupyter notebook
12 April 2020	Hour 5	Introduction to Data Science using Python and its Libraries
	Hour 6	NumPy, Pandas for Data analysis, cleaning on Regression Analysis
13 April 2020	Hour 7	Matplotlib and Seaborn for data visualization
	Hour 8	Exploratory Data analysis on Data science Project
14 April 2020	Hour 9	Introduction to Machine Learning
	Hour 10	Brief overview of Supervised, Unsupervised and Reinforcement Learning

Software Tools

- Anaconda Python
- Jupyter Notebook

Outcomes of the Program

- Participants will be able to gain an overview of Data science, Machine Learning, Deep Learning and Artificial Intelligence.
- Participants will be able to code using Python.
- Participants will be able to understand Data science concepts like Data analysis, Data interpretation and Data visualization.
- Participants will be able to understand Basics of (EDA) Exploratory Data Analysis.
- Participants will know the basics of Machine Learning.

Note: 10-hours of Machine Learning is not covered as part of the above 10-hour program of Data Science

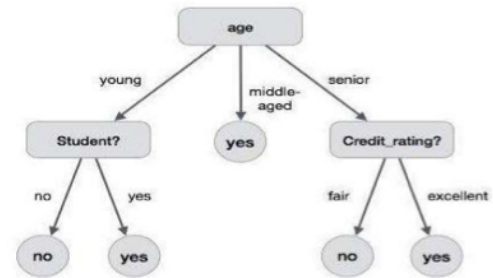
SNEAK PEEK OF MACHINE LEARNING MODULE IF THE CANDIDATE WANTS TO PURSUE

Subsequent to Data Science module, the next module scheduled is Machine Learning. **As part of Machine Learning, participants will able to do the following sample projects.**

Projects (At the end of Machine Learning Module)

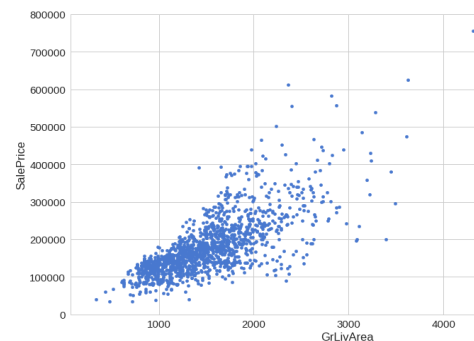
1. Loan Prediction using Machine Learning

Project idea – The idea behind this project is to build a model that will classify how much loan the user can take. It is based on the user's marital status, education, number of dependents, and employments. We can build a linear model for this project.



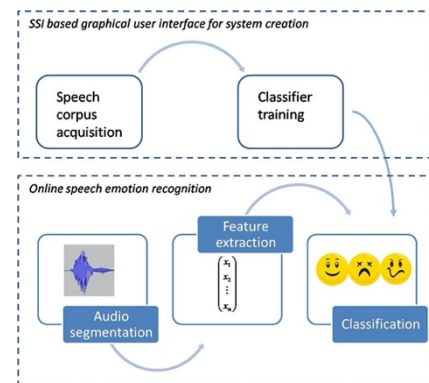
2. Housing Prices Prediction Project using Regression Analysis

The dataset has house prices of the Boston residual areas. The expense of the house varies according to various factors like crime rate, number of rooms, etc. It is a good ML project for beginners to predict prices on the basis of new data.



3. Speech Emotion Recognition Project (Classification Analysis)

This project uses audio data. It takes a part of speech as input and then determines in what emotions the speaker is speaking. We can identify different emotions like happy, sad, surprised, angry, etc.



4. Stock Price Prediction using Machine Learning

There are many datasets available for the stock market prices. This machine learning beginner's project aims to predict the future price of the stock market based on the previous year's data.



Contact Us

If you want to enquire for the next module in Machine Learning

You can contact the following team if you have any questions. Drop in a WhatsApp message and we will get back to you:

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