



BITS Pilani
Hyderabad Campus
Technology Business Incubator



BrainLabs.Ai

Hands on Artificial Intelligence

5 day Workshop

Inaugurated By **Shri. Jayesh Ranjan IAS**, on 27th July - 11.00AM



Shri. Jayesh Ranjan, IAS
Principal Secretary to
Govt. of Telangana

Chief Guest



Prof. G. Sundar
Sr. Professor & Director
BITS Pilani, Hyderabad

Guest of Honour

HIGHLIGHTS

- Intuition behind Algorithms
- Predict using various Algorithms
- Recommender Algorithm
- Build, Train & Deploy Machine Learning Models
- Create, Train & Deploy Chat Bots



Hanu Yedluri
Presenter, Principal Data Scientist,
CEO - Brainlabs.Ai



Prof. Aruna Malapati
Faculty in-Charge, CIIE
BITS Pilani, Hyderabad



Padma Raju
Program Manager



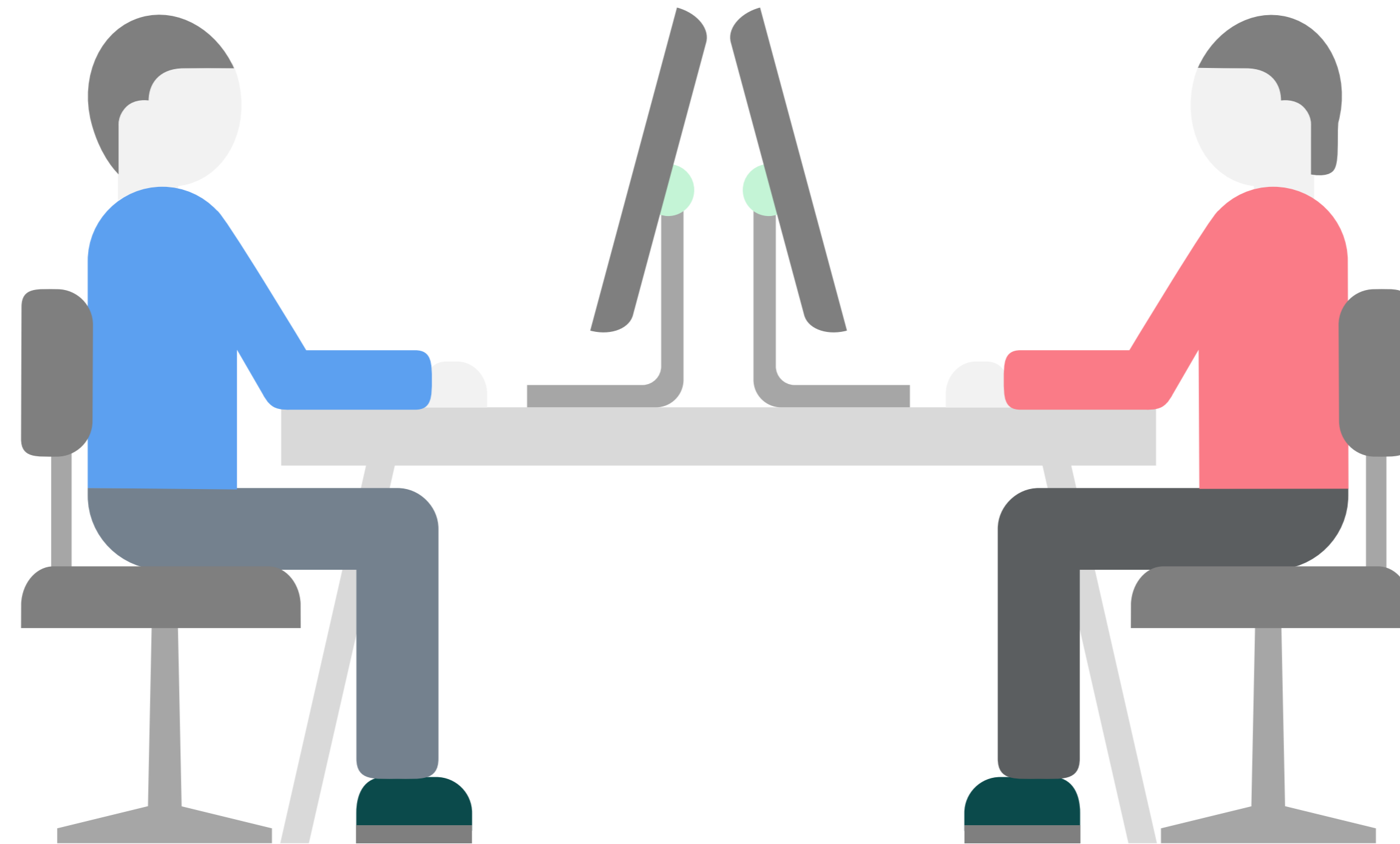
Prashant Sinha
Incharge - TBI BITS Pilani Hyderabad

27.07.20 - 31.07.20

Students with startup idea can reach out at sinha@hyderabad.bits-pilani.ac.in

INDUSTRY ORIENTED HANDS ON ARTIFICIAL INTELLIGENCE WORKSHOP

FACULTY & STUDENTS



WORKSHOP OUTCOMES

PARTICIPANTS EXPOSURE



STAR PERFORMER



PARTICIPATION CERTIFICATE



INTERNSHIP OPPORTUNITY



TRAINING

Detailed Discussion on Machine Learning algorithms, AI Chat Bots and different use cases



HANDS ON LAB, ASSESSMENTS, ASSIGNMENTS

Get Free Access to the Lab, Practice in Real-Time as the instructor demos



CERTIFICATE

After successful completion of assignments and assessments get a Certificate



Hanu Yedluri

Principal Data Scientist

1. Seasoned Leader with more than 22 years of experience in Fintech, LendingTech, WealthTech, Edtech & Legal Domain
2. Expert in the Data Analytics, Product Design, Operations & Process Automation
3. Founded two online platforms www.instaemi.com, www.brainlabs.ai and running successfully.
4. Passionate in teaching, delivers training in Artificial Intelligence, ML, DL, Blockchain and Cloud Technologies
5. Qualified Masters Graduate in Computer Science, combines math and neuro psychology to solve various problems
6. Worked in Global Companies like Bank Of America, Merrill lynch and Orlans Associates



INTRODUCTION

Brief Discussion about the agenda



ACCOUNT CREATION

Create a lab account for Machine Learning



DATASETS

What, Where



DATA MUNGING

Operations, Features, Attributes



ETL

Load, Transform and View



STATISTICS & LINEAR PROGRAMMING

Recap Various Learning Techniques



PROBABILITY

Prediction and Probability

01.

DATASETS

Understand Datasets,
Attributes, Features

02.

LOAD, CLEAN

Load From Various Sources,
Apply Cleaning

03.

SPLIT

Create Right Train & Test
Data to Address Overfitting
& Bias

04.

ALGORITHMS

Learn About Various
Regression Algorithms

05.

TRAIN, SCORE, EVALUATE

Train the Machine to predict
and understand the results
accuracy

06.

COMPARISON

Compare with Other Similar
Algorithms Results

1.

CLASSIFICATION

Discuss Various Algorithms and their benefits

2.

EXPERIMENT

Take a Dataset, Train & Score the Prediction

3.

RESULTS

Discuss the Results and Interpret the same

01

CHAT BOT

Create a Chat bot from scratch, train the bot with the data

02

TRAIN & DEPLOY

Develop various channels and deploy the chat bot solution on to Facebook, Telegram etc..