Memorandum of Understanding

Is executed on 24th February, 2025

between

UpFlairs Pvt. Ltd., hereinafter referred to as **"UpFlairs"**, A company duly incorporated under the provisions of the Companies Act 1956, having its registeredofficeat100/110ps, Prem Tower, Rana Sanga Marg, near Kumbha Marg, Pratap Nagar, Jaipur 302033 represented through its authorised signatory Mr. **Siddharth Singh**, party of the first part.

And

Arya College of Engineering, Jaipur hereinafter referred as "Arya College Jaipur", represented through its Faculty coordinator, Mr/Mrs.....*Pauan Sen*.................................

Whereas, the Second party is hosting a 60 hours In campus training at college on the subject of

1. Machine Learning& data Science

UpFlairs Pvt. Ltd., Jaipur DELIVERABLES:

1. Conduct, 60 hours training (40hours Training+10Hoursprojectwork+10 Hours assessment) starting from 24th February 2025.
2. Training fee- INR2500/-per participant (Including GST)
3. UpFlairs will provide 2 Experts for training.
4. Upflairs will take regular feedback from students.
5. UpFlairs will submit final Training feedback to college.
6. UpFlairs will provide a participation **Certificate** to each participant.

BIT, Jaipur DELIVERABLES:

7. Provide the following technical requirements for conducting the Training: -
    ➢ Seminar hall/Lab for Training.
    ➢ 1projector.
    ➢ Whiteboard and marker
    ➢ Internet Facility.
    ➢ Extension board (for power supply)

8. Assign at least 2 coordinators for the training who will support from starting to the end of the training.

9. Laptop/PCs to each student.

10. Provide Association Certificate/Momentous to UpFlairs.

11. Arrange min 60 students for the training.

Mode of Payment

1. The payment shall be done in Trainers Account.
2. All payments will be made after the training.
3. In case of online/cheque payment in the name of "UpFlairs Pvt. Ltd."

Schedule of Payments Payment Amount	Schedule of Payments Payment Amount
After completion 60% of the training	60% of the total amount on submission of Tax invoice
After Completion of the Training & Assessment	40% of the total amount on submission of Tax invoice

Signature on Behalf of Arya College of Engineering, Kukas, Jaipur

PRINCIPAL
ARYA COLLEGE OF ENGINEERING
SP-40, Industrial Area, Delhi Road,
Kukas, Jaipur (Raj.)

Name:
Title:
Date:

Signature on Behalf of **UpFlairs Pvt. Ltd.,**
Jaipur

Name: Siddharth Singh
Title: Director
UpFlairs Pvt. Ltd., Jaipur
Date: 24/02/2025

ARYA College of Engineering (ACE)

Previously Known as Arya Institute of Engineering & Technology (AIET)

(Affiliated to RTU
Approved by AICTE, New Delhi)

REAP Code : 1011

- Main Campus, SP-40, RIICO Industrial Area, Delhi Road
  Kukas, Jaipur - 302028 | Tel Ph. 0141-2820700
- www.aryacollegejpr.com
- Toll Free : 1800 102 1044

MOU ACTIVITY REPORT

(ACADEMIC YEAR 2024-25)

Fwd: ML & DS Campus Training Proposal : Arya College of Engineering, Kukas
1 message

T&P Arya <tnp@aryajaipur.com>   Fri, Apr 11, 2025 at 10:56 AM
To: Deepak Kumar Sain <deepak@aryajaipur.com>

Prof.(Dr.) Tanuj Manglani
Director, Training & Placements
Arya College of Engineering (NAAC A+ Grade & NBA Accredited)
SP-40, RIICO Industrial Area, Kookas, Jaipur (Rajasthan)
Mo: 8619152195, 9001996645
Website: www.aryacollege.org

---------- Forwarded message ---------
From: **Siddharth- UpFlairs Pvt Ltd** <upflairs2@gmail.com>
Date: Sat, Feb 22, 2025 at 3:17 PM
Subject: ML & DS Campus Training Proposal : Arya College of Engineering, Kukas
To: <tnp@aryajaipur.com>
Cc: siddharth@upflairs.com <Siddharth@upflairs.com>

Dear Sir,

Greetings from Upflairs Pvt Ltd !!!

It is always a pleasure working with an organization, which is self-motivated and welcomes new technologies. Your institute being the same drives us to organize the best training/Internship on your campus. We have a vast variety of technology domains, which cover innovative projects and practical training. As discussed, the Training/Internship proposal is aimed at instilling a desire in every student to Explore, Innovate, and Invent!

As discussed for in campus training program for 6th sem students in Data Science & Machine learning domain

Attached files-

1. Company Profile

2. Machine Learning & Data Science (60 hours)

Training will include

1. Daily content-wise feedback

2. Daily Assignments

3. Study material

4. Certificates from Upflairs

5. Project developments.

Technology- Machine Learning & Data Science
Duration- 60 Hours (40 Hours Training with Practical work + 10 hours projects Work + 10 hours assessment)

Start Date- 24th Feb'25 (10:00am to 12:00pm)

Number of Students- 45 to 60

Fee- INR 2500/- per students (Note: fee to be paid on trainers account)

Hoping for a successful endeavour and many more to come in the future.
--
‗‗‗‗‗‗‗
Thanks & Regards
Siddharth Singh
Founder & Director
UpFlairs Pvt Ltd
image.png
E- Siddharth@upflairs.com
M- 9251494002
W- https://upflairs.com/

---

2 attachments

📄 **Profile - Upflairs Pvt Ltd (6).pdf**
2968K

📄 **Data Science with Machine Learning Arya College.pdf**
962K

DATA SCIENCE WITH MACHINE LEARNING

Upflairs
...because winning takes it all

python™

pandas

scikit learn

matplotlib

OOPS

NumPy

SQL

Flask

seaborn

GitHub

TensorFlow

A Brief About **UPFLAIRS**

UpFlairs is an innovative **educational technology** company with a clear mission to elevate the skills and employability of students throughout India.

Our dedicated team is committed to fostering the next generation of tech talent, equipping them with cutting-edge skills in emerging technologies and has educated more than 47K students all over the globe including IITs, NITs, Deemed Universities and other colleges.

We offer the courses that are most trending technologies of the recent era in the fields like **AI/ML, Data Science, Cloud Computing, DevOps, Full Stack Web Development, Embedded Systems, IoT, and Robotics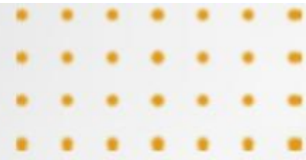.** These courses are meticulously designed to provide students with the practical skills and knowledge required to excel in tech-driven careers, making them not just job-ready but industry leaders of tomorrow.

We are not only limited to training the youth of the country but also provide Lab setups to various Colleges and Universities and Project solutions to other companies for the domains like **AI-ML, IOT , ROBOTICS AND CLOUD.**

Education

Project Solution

Lab Setup

DATA SCIENCE WITH MACHINE LEARNING

Duration – (60 (40 +10+10) Hours)

1.	**INTRODUCTION (1 Hour)**	- Introduction with **AI & Machine Learning** - Data Science vs Data Engineering vs Data Analysis vs AI - Use of Data in the world of AI - Connecting with Upflairs Community - Basic Linux/Windows Commands - Setting Up GITHUB & Google Colab/Kaggle
2.	**PYTHON OVERVIEW (4 Hours)**	- Command line & Script based Python Programming - Python Quicker Keywords, Data Types, Operators - Conditional/Looping/Error Handling in Python - Comprehensions - Python User Defined Functions - Python iterator - Lambda Expressions - Map, filter, reduce, zip, enumerate. - Python Modules: Usage and Installation - Understanding the OOP of Python - Classes, Objects, Methods; - Inheritance: Its types - Polymorphism - Encapsulation
3.	**DATA IN PYTHON (2 Hours)**	- Types of DATA? - Numpy Arrays: Creating, Accessing, Manipulating - Array Attributes; Data Operations - The file handling in python - Dealing with Excel/CSV/txt files **Exercise- Based on Hacker Earth/LeetCode based questions**.
4.	**PANDAS (2 Hours)**	- Pandas: The Series and DataFrame - Creating, Accessing, Manipulating Pandas Data - Series and DataFrame Attributes & Basic Functions · Arithmetic and Statistical - Methods; Sort, Search, Count · Data Grouping, Missing Data Handling - Merging & Joining of Data - File Handling with Pandas
5.	**DATA VISUALIZATION**	- Data is Beautiful...!!! - Visualization Libraries in Python - MATPLOTLIB PYPLOT: line, scatter, pie, box, area etc - Decorating the plots using Matplotlib (labels, colors, markers, legend, grids, figure sizes etc) - The Subplots and axes in matplotlib; Showing Images - bar, barh, hist, box, kde, density, area, scatter, hexbin, pie plots - Plotting with Missing Data - Easy and advanced Data Visualization from Seaborn

Upflairs
Learning

		• Categorical, Distributive, Regression, Matrix, Grid Plots.
6.	**INTRODUCTION WITH MACHINE LEARNING AND REGRESSION MODEL (2 Hours)**	• Introduction of machine learning • Supervised and unsupervised machine learning. • Regression and classification and clustering • Linear Regression, Polynomial Regression: The Non-linearity in Data • Performance Evaluation of Regression Mode
7.	**SUPERVISED ML-CLASSIFICATION (4 Hours)**	• Logistic Regression: Concept & Need • Performance Evaluation of Classifications Models • Support Vector Machines (SVM) • Kernel Nearest Neighbors (KNN) • Decision Trees Classifier • Random Forest Classifier • Biases VS variances • Data Overfitting & Underfitting • The Concept of Cross-validation • The Bayes Theorem • Naïve Bayes Algorithm for Machine Learning
8.	**UNSUPERVISED MACHINE LEARNING (1 Hours)**	• K-Means Clustering K-Means++ • Performance metrics for clustering techniques • DBSCAN
9.	**DEEP LEARNING & ARTIFICIAL NEURAL NETWORK (2 Hours)**	• Concept of Deep Learning & Neural Network • What is ANN? • The basic terminology – Layers, weights, biases, activation functions, losses, optimizers, learning rate • The Concept of Forward & Backward Propagation • Using Keras Library for ANN • Building and Compiling Sequential Neural Network Mode

10.	**PROJECT (10 Hours)**	*Major and Minor Projects:*
		   1. *"Email sender"*
		   2. *"CLI based chat application"*
		   3. *"Email spam & ham classification"*
		   4. *"Laptop price prediction"*
		
		Capstone Projects:
		   1. *"Crop Monitoring and Disease Detection"*
		   2. *"Airline loyal and disloyal customersegmentation"*

11.	**ASSESSMENTS (10 Hours)**	1. *Test* 2. *Project Presentation* 3. *Interview Round*

Glance
UpFlairs

NIT, Jalandhar

Delhi Technical University

NIFFT, Ranchi

Banasthali Vidyapith

JECRC, Jaipur

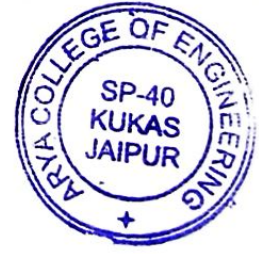Arya College, Jaipur

Poornima College, Jaipur

SKIT, Jaipur

https://upflairs.com   9251494002, 6350417917   info@upflairs.com

100/110ps, Rana Sanga Marg, Near Kumbha Marg, Pratap Nagar, Jaipur, Rajasthan

Attendance Sheet for ML &AI Upflairs Topic Covered

#	Name	Branch	Sem	Total-18
	Aaditya singh naruka	CSE	6 Sem	13
	Abhinav	EE	6 Sem	12
	Abhishek Singh	CS-AI	6 Sem	8
	Adnan Ahmad	IT	6 Sem	16
	Akansha Rajawat	AI-DS	6 Sem	10
	Alok	AI-DS	6 Sem	8
	Ankit Kumar	AI-DS	6 Sem	8
	Archana Joohi	CSE	6 Sem	12
	Ashok kr Bhariya	CSE	6 Sem	12
	Ashwarya Sharma	CS	6 Sem	14
	Bhavdiya Pandey	CSE	6 Sem	8
	chahat	EE	6 Sem	12
	Chetanya Upadhyay	AI-DS	6 Sem	18
	Chickhu	EE	6 Sem	15
5	Chirag Agarwal	CSE	6 Sem	8
6	Dheeraj Sharma	CSE	6 Sem	12
7	Harshit V sharma	AI-DS	6 Sem	8
8	Harshita	AI-DS	6 Sem	8
9	Harshvardhan Gupta	CS-AI	6 Sem	8
0	Harshvardhan Singh	CSE	6 Sem	10
1	Himanshu Agrwal	CS-AI	6 Sem	13
2	Jatin Sharma	AI-DS	6 Sem	12
3	Jitendra Kumar Saini	AI-DS	6 Sem	11
4	kajal	EE	6 Sem	10
5	Kalpesh Kumar	AI-DS	6 Sem	9
6	Kamlesh Kumawat	CS-AI	6 Sem	17
7	Keerti Goyal	CSE	6 Sem	11
8	Komal	AI-DS	6 Sem	11
9	Krishn Kumar	IT	6 Sem	9
0	Kuldeep Sharma	CSE	6 Sem	10
1	Kuldeep Singh	AI-DS	6 Sem	13
2	Kunal Joshi	CSE	6 Sem	12
3	Lavesh Gurjar	CSE	6 Sem	16
4	Mahak Gupta	AI-DS	6 Sem	14
5	Manan Khinchi	CS-AI	6 Sem	12
36	Mansi Mishra	AI-DS	6 Sem	11
37	Mayank Bhatnagar	AI-DS	6 Sem	12
38	Mayank Tank	AI-DS	6 Sem	16
39	Meenakshi Swami	AI-DS	6 Sem	12
40	Mohd Aman	CSE	6 Sem	8
41	Mohd Ammar	AI-DS	6 Sem	8
42	Mohd Nohseen	AI-DS	6 Sem	15
43	Mohit Chippa	AI-DS	6 Sem	10
44	Mridu	CSE	6 Sem	17
45	Muskan Gupta	AI-DS	6 Sem	12
46	Muskan Solanki	AI-DS	6 Sem	15
47	Naman Aggarwal	AI-DS	6 Sem	11
48	Naveen Singh	AI-DS	6 Sem	11
49	Nikita Poonia	AI-DS	6 Sem	8
50	Nirbhay Singh	CSE	6 Sem	15
51	Nisha Kumari	AI-DS	6 Sem	16
52	Nishant Sharma	AI-DS	6 Sem	9
53	Nitesh Kumar	CSE	6 Sem	12
54	Nitin Jangid	CSE	6 Sem	14
55	Nitin Kalwar	CSE	6 Sem	10
56	Pankaj Giri Goswami	CSE	6 Sem	17
57	Pankaj Kumawat	CSE	6 sem	13
58	Pankaj Kumawat	AI-DS	6 Sem	8
59	Pankaj Kumawat	AI-DS	6 Sem	13
60	Pintu Verma	AI-DS	6 Sem	9
61	Pola Singh	CSE	6 Sem	12
62	Pooja Yadav	AI-DS	6 Sem	14
63	Pradhuman Singh	CSE	6 Sem	13
64	Prashant Sharma	CSE	6 Sem	15
65	Preeti Kuntal	AI-DS	6 Sem	10
66	Prerna Das	CSE	6 Sem	9
67	Priya Kumari	CSE	6 Sem	17
68	Priya Sahu	CS-AI	6 Sem	18
69	Pummy Kumari	AI-DS	6 Sem	

#	Name	Branch	Sem	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	Total
70	Rahul Saini	AI-DS	6 Sem	A	A	A	P	P	P	P			A			P	P	P	P	P	P	P	P	12
71	Rahul Singh	AI-DS	6 Sem	P	P	P	P	P	P	P	P	P		P	P	P	P	P	P	P	P	P		18
72	Riddima AGR	CS-AI	6 Sem	A	A	A	A	P	A	P		P	P	P	P	P	P			P	P	P		12
73	Rishi Ambasta	CS-AI	6 Sem	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P		18
74	Rishi Chauhan	AI-DS	6 Sem	P	P	P	P	P	P	P	P	P	P	P		P	P	P	P	P	P	P		18
75	Sahil Yadav	AI-DS	6 Sem	P	P	P	A	P	P	A	P	P	P		P	P	P	P	P	P	A	A		17
76	Sashank Sharma	EE	6 Sem	A	P	P	P	P	P	P	A						P	P	A	A	A	A		8
77	Satyam	AI-DS	6 Sem	P	A	A	A	A	P	P	P	P	P	P	P	P	A	A	A	A	A	A		11
78	Shakti singh	EE	6 Sem	A	P	P	A	P	P	P	P	P	P	P				P	A	P	P	A		9
79	Shankar Sachdeva	AI-DS	6 Sem	A	A	A	A	P	P	P	P	P	P	P		P	P	P	P	P	A	P		12
80	Shashank Mehta	CSE	6 Sem	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		16
81	Shrivanshu Srivastav	CS-AI	6 Sem	A	A	A	P	P	A	P	P	A	P	A	P	A	P	P	P	P	A	P		13
82	Sneha Jain	CSE	6 Sem	P	P	P	P	P	P	A	A	P	P	P	A	A	P	P	P	P	P	P		12
83	Somya Pal	AI-DS	6 Sem	A	P	P	P	P	P	A	A		P	P	P	P	A	A	P				11
84	Suryadev Singh	AI-DS	6 Sem	A	A	A	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P		12
85	Tarun S. Chauhan	AI-DS	6 Sem	A	A	A	P	A	P	P	P	A	P		P	P	P	A	P	P	A	A		12
86	Ubaid Ullah	CS	6 Sem	P	P	P	P	P	P	P	P	P	P	A	A	A	P	P	A	A	P	P		10
87	Varun Singh	CS	6 Sem	P	A	P	A	A	A	P	P	P	P	P	P	P	P	A	A	P	A	P		12
88	Vicky Kumar	CSE	6 Sem	A	A	A	A	P	A	A	A	A	A	A	A	A	A	A	A	P	P	P		8
89	Vishakha Verma	CS	6 Sem	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	A	A	A		9
90	Vishal Meena	CS-AI	6 Sem	A	A	A	A	P	P	A	P	P	P		P	P	P	P	P	P	P	P		15
91	Vishes Jangid	AI-DS	6 Sem	A	P	A	P	P	P	P	P	P		P	P	P	P	P	P	P	P	P		14
92	Yaduvesh Yadav	AI-DS	6 Sem	A	A	A	P	P	P	P	P	P		P	P	P	P	P	P	P	P	P		15
93	Yash Shekawat	AI-DS	6 Sem	A	P	A	P	P	P	P	P	A		P	P	P	P	P	P	P	P	P		8
94	Yash Agarwal	AI-DS	6 SEM					A	P	A	P	A		P				P	P	P	P	P		9
95	Harsh sharma										P	P	P	P	P		P	P	P	P	P		9
96	Kartik									A	P	P	P	P		P	A	A	A	P	P		9
97	Ritesh Sharma	CSE	6SEM					P	P	P	P	P	A	P		P	P	A	A	P	P	P		8
98	Kamal	AI-DS	6 SEM					P		P	P		P	P	P		P	P	P	P	P	P		11
99	Umesh kumar	AI-DS	6 SEM			P		P	P		P	P	P											

Deepak Sen <deepak@arya...

ARYA COLLEGE OF ENGINEERING
SP-40
KUKAS
JAIPUR

S. No.	Name	Contact No.	Branch	Name of the Final Project Made by You
1	Vicky kumar	620581?38	CSE	AI assistance
2	Parvesh	8168745092	AI&DS	Movie recommendations system
3	Harshita	8955174058	AI.DS	Bike price prediction
4	Name			Name of the Final Project Made by You
5	Pankaj kumawat	9680222581	Ai&Ds	Sales prediction
6	Tilak Raj Panchal	9785198270	CSE	Bike Price Prediction
7	Mohit Chheepa	6375775453	AIDS	Movies Recommendation system
8	SHIVANSHU KUMAR SRIVASTAVA	9758327112	CS AI	Facial emotion recognition and detection
9	Suryadev Singh	9024756691	AI&DS	Diwali Market Sale Analysis
10	Mantasha Parween	8002945363	Cse	Student performance analysis
11	Yaduvesh Yadav	7726909582	Ai and Ds	Fox_IT
12	Vishesh Jangid	8949509404	Ai & ds	Weather predictions
13	Yash Agarwal	800364759	AI&DS	Zomato EDA
14	Varun Singh	9950901735	CSE	Sms Classification
15	Ubaid Ullah Mirza	8441813464	CSE	Student performance analysis
16	Pummy Kumari	9798612479	AI and DS	Sleep and health statistics
17	Vaibhav joharwal	7340601441	Ai-Ds	Chat application
20	Aaditya Singh Naruka	8955768461	CSE	Crop Monitoring and Disease Detection
21	Pankaj Kumawat	9413436533	AI&DS	Crop prediction
22	JATIN SHARMA	9887354581	CSE	The bike price prediction model
23	Harshit V Sharma	9601143501	AI&DS	House price prediction
24	Chickhu	9660320473, 8690757120	EE	Electricity price Prediction
25	Kunal Joshi	7877080813	CSE	Recommended system
26	LUCKY CHOUDHARY	8949481752	CSE	sms spam collection
27	Kuldeep sharma	9983105632	CSE	Chatbot
28	Kamlesh kumawat	6376847185	CS-AI	Diabetes prediction
29	Priya kumari	8619802250	Cse	Bike
30	Jitendra Kumar Saini	9351685024	AI&DS	Real-Time Student Attendance System Using Face Recognition
31	Muskan Gupta	8824281152	CSE-AI	Credit card fraud detection
36	Rishi Raj Ambasta	8709972252	CSE-AI	social media analysis
37	Nitin kalwar	7426065502	CSE	Social Media Analysis
38	Archana Joshi	9799940879	CSE	Loyal- Disloyal Project
39	Naman Aggarwal	9634658038	AI&DS	Crop Prediction
40	Ankit Kumar	9799156815	AI&DS	loan prediction

	Name	Phone	Branch	Project
	Umesh Kumar	9466083398	AI&DS	Data management
	Yash Rajawat	830202_87	CSE	Laptop Data Analysis
49	Pooja	8852809451	CSE	Still exploring more on AI/ML as I joined late
50	Meenakshi Swami	9783919525	AI&DS	Global plastic production
51	Somya Pal	8295993576	AI&DS	Email sender project
52	Kajal	8824404231	EE	Cohort analysis
53	Kuldeep Singh	8949062364	CSE	Heart attack prediction
54	Priya Sahu	7976923884	CSE-AI	prediction of bike price
55	Shakti Singh	9983219701	C.S.E	Cohort analysis
56	Rishi Chauhan	9149362604	AI&DS	Bike_used project
57	Preeti kuntal	8955249259	AI & DS	Waste Food Prediction
58	Mayank Bhatnagar	9887074210	AI&DS	Used bike prediction system
59	Rahul Singh	7726868718	AI&DS	Sms spam detection
60	KOMAL	9352543820	AIDS	Customer satisfaction
61	Pooja Yadav	9509077042	AI&DS	Movie Recommendation system
62	Sahil Yadav	6367063567	AI & DS	Electricity price prediction
63	Chavan Pratik Shivaji	9403511540	AI&DS	Weather Prediction with avilable dataset.
64	Nisha	7014141296	Ai and Ds	Movie recommendation system
65	Ashwarya Sharma	8000512489	CSE	Voice controller
66	Adnan ahmad	6375695366	IT	Bangalore House price prediction
67	Lavesh gurjar	8302157769	CSE	Heart attack prediction
68	Manan khinchi	6378663805	CS(AI)	Calorie burnt prediction
69	Abhishek singh	7427894153	CS-Ai	House prediction model
70	Harsh Vardhan Gupta	8560941717	CSE-AI	Cars prediction
71	Himanshu Agarwal	8003946956	CS-AI	Spam mail prediction
72	Kartik	7027690396	AI&DS	Fake news detection
73	Shashank Mehta	9116874952	CSE	Loyal-Disloyal Project
74	Prerna Kaushik	7451826308	AI&DS	Dog Cat Prediction System using CNN
75	Chetanya Upadhyay	7849977577	AI&DS	Bike prediction and Deep learning project
76	Mahak Gupta	7017748606	CSE-AI	Classifying images
77	Kuldeep Singh	9928969776	AI&DS	Smsspam detection
78	Ajay	9680027649	AI&DS	Prediction of the old motercycle
79	Ishika Garg	9772680563	AI&DS	Movie recommendations
80	Kamal	8307914574	AI&DS	Fake news detection
81	Sneha Jain	8239371294	CSE	Loyal disloyal project
82	Farhan Akhtar	7339927388	IT	House price prediction

CRT
Day Wise Topic Covered

Date	TOPICS COVERED	Duration	STUDENT PRESENT
24th Feb	DAY 1- Overview of DS, ML, Python Data types	10:00 am to 12:30 pm (2 hour 30 minutes)	60
25th Feb	DAY 2- Operators, Conditional statement and loops	10:00 am to 12:30 pm (2 hour 30 minutes)	70
26th Feb	DAY 3- Git and Github , Python List Comprehension and user-defined Functions	10:00 am to 12:40 pm (2 hour 40 minutes)	68
3rd March	DAY 4- lambda function , oops (inheritance,polymorphism)	10:00 am to 12:50 pm (2 hour 50 minutes)	88
4th March	DAY 5- OOPS(Encapsulation, abstraction), and Python project	10:00 am to 12:45 pm (2 hour 45 minutes)	99
5th March	DAY 6- Numpy Library	10:00 am to 12:45 pm (2 hour 45 minutes)	81
21 March	DAY 7- Numpy - Numpy array functions	10:00 am to 12:45 pm (2 hour 45 minutes)	20
24 March	DAY 8- Numpy - Array Crerating, Accessing, Manipulating	10:00 am to 12:45 pm (2 hour 45 minutes)	68
25 March	DAY 9- PANDAS - Series and data frames, Creating, Accessing and manipulating	10:00 am to 12:45 pm (2 hour 45 minutes)	65
26 March	DAY 10- PANDAS - methods, Merging , joining and file handling	10:00 am to 12:45 pm (2 hour 45 minutes)	74
27 March	Day 11 - Matplolib - pyplot - line, bar, scatter,bo, area, etc	10:00 am to 12:45 pm (2 hour 45 minutes)	57
28 March	Da 12 - Matplotlib and Seaborn basic	10:00 am to 12:45 pm (2 hour 45 minutes)	68
1 April	Day 13 - Seaborn And Machine learnig basic	10:00 am to 12:45 pm (2 hour 45 minutes)	59
2 April	Day 14 - ML algorithm - Linear Regression	10:00 am to 12:45 pm (2 hour 45 minutes)	62
3 April	Day 15 - Model Evaluation, Confusuion matrix, Precision, recall, f1 score, MSE, MAE, RMSE , Huber loss	10:00 am to 12:45 pm (2 hour 45 minutes)	66
4 April	Day 16 - machine learning algo. svm , dt and knn	10:00 am to 12:45 pm (2 hour 45 minutes)	80
8 April	Day 17 ensemble learning votting and bagging	10:00 am to 12:45 pm (2 hour 45 minutes)	89
9 April	Day 18 bagging and boosting algo	10:00 am to 12:45 pm (2 hour 45 minutes)	65
10 April	Day 19 Test	10:00 am to 12:45 pm (2 hour 45 minutes)	73
11 April	Day 20	10:00 am to 12:45 pm (2 hour 45 minutes)	
		10:00 am to 12:45 pm (2 hour 45 minutes)	
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60% Syllabus completed as per DSR [handwritten note with signature]

S.No.	Date	TOPICS COVERED	Duration
1	24th Feb	DAY 1- Overview of DS, ML, Python Data types	10:00 am to 12:30 pm (2 hour 30 minutes)
2	25th Feb	DAY 2- Operators, Conditional statement and loops	10:00 am to 12:30 pm (2 hour 30 minutes)
3	26th Feb	DAY 3- Git and Github , Python List Comprehension and user-defined Functions	10:00 am to 12:40 pm (2 hour 40 minutes)
4	3rd March	DAY 4- lambda function , oops (inheritance,polymorphism)	10:00 am to 12:50 pm (2 hour 50 minutes)
5	4th March	DAY 5- OOPS(Encapsulation, abstraction), and Python project	10:00 am to 12:45 pm (2 hour 45 minutes)
6	5th March	DAY 6- Numpy Library	10:00 am to 12:45 pm (2 hour 45 minutes)
7	21 March	DAY 7- Numpy - Numpy array functions	10:00 am to 12:45 pm (2 hour 45 minutes)
8	24 March	DAY 8- Numpy - Array Crerating, Accessing, Manipulating	10:00 am to 12:45 pm (2 hour 45 minutes)
9	25 March	DAY 9- PANDAS - Series and data frames, Creating, Accessing and manipulating	10:00 am to 12:45 pm (2 hour 45 minutes)
10	26 March	DAY 10- PANDAS - methods, Merging , joining and file handling	10:00 am to 12:45 pm (2 hour 45 minutes)
11	27 March	Day 11 - Matplolib - pyplot - line, bar, scatter,bo, area, etc	10:00 am to 12:45 pm (2 hour 45 minutes)
12	28 March	Da 12 - Matplotlib and Seaborn basic	10:00 am to 12:45 pm (2 hour 45 minutes)
13	1 April	Day 13 - Seaborn And Machine learnig basic	10:00 am to 12:45 pm (2 hour 45 minutes)
14	2 April	Day 14 - ML algorithm - Linear Regression	10:00 am to 12:45 pm (2 hour 45 minutes)
15	3 April	Day 15 - Model Evaluation, Confusuion matrix, Precision, recall, f1 score, MSE, MAE, RMSE , Huber loss	10:00 am to 12:45 pm (2 hour 45 minutes)
16	4 April	Day 16 - machine learning algo. svm , dt and knn	10:00 am to 12:45 pm (2 hour 45 minutes)
17	8 April	Day 17 ensemble learning votting and bagging	10:00 am to 12:45 pm (2 hour 45 minutes)

18	9 April	Day 18 bagging and boosting algo	
19	10 April	Day 19 Assessment Test	10:00 am to 12:45 pm (2 hour 45 minutes)
20	11 April	Day 20 Implement of ensemble learning	10:00 am to 12:45 pm (2 hour 45 minutes)
21	12 April	Day 21 unsupervised learning	10:00 am to 12:45 pm (2 hour 45 minutes)
22	20 May	Day 22 DBSCAN and deep learning intro	10:00 am to 12:45 pm (2 hour 45 minutes)
23	21 May	Day 23 majar projets	10:00 am to 12:45 pm (2 hour 45 minutes)
24	22 May	Day 24 Deep learning	10:00 am to 12:45 pm (2 hour 45 minutes)
25	23 May	Day 25 Deep learning projjects	10:00 am to 12:45 pm (2 hour 45 minutes)
26	24 May	Day 26 Assessment Test	10:00 am to 12:45 pm (2 hour 45 minutes)
27			10:00 am to 12:45 pm (2 hour 45 minutes)
28		Total Duration	
			63 hours 25 Minutes

Deepak Sen <deepak@aryajaipur.com>

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