Months M			IIT Roorkee PGCP DSML - Batch 6				
1. Company of the	Module	Module Name		Date	Day	Time	Faculty
Part							
Page	1	Foundations of DS					
Page							
Part Comment							
Part			·				
Part Company	2	Python for DS	Session 5 : Functions	23-Apr-22	Saturday	4:00 PM to 6:00 PM	Prof. Millie Pant
14 March				-			
March Section March Ma						4:00 PM to 6:00 PM	Prof. Millie Pant
Second Lifecting Second Lifecting Second Lifeting Second L						4:00 PM to 6:00 PM	Prof Millie Pant
100							Prof. Sumit Kumar Yadav
1.	2	Statistical Thinking for	Session 2 : Inferential Statistics & Probability Distribution	14-May-22	Saturday	4:00 PM to 6:00 PM	Prof. Sumit Kumar Yadav
Part	3	DS					Prof. Sumit Kumar Yadav
Part							
Projection Project P							·
A							·
Value Valu		Exploratory Data					·
Second Second Proceduction to Visualization using Tabless 12 Am 22 Statisfy 400 PM to 8 CO PM Jayob	4		Session 5: SQL primer	05-Jun-22	Sunday	4:00 PM to 6:00 PM	Ragahvendra N
Part		Visualization					-
Beach Tables							,
Committed National Control Authorities (2001) Experience of Lose of Part Transformation and Registration of their systems 20 June 22 Sundry 400 PM to 600 PM Prof. Samil Runny Yabbe 20 June 22 Sundry 400 PM to 600 PM Prof. Samil Runny Yabb 20 June 22 Sundry 400 PM to 600 PM Prof. Samil Runny Yabb 20 June 22 Sundry 400 PM to 600 PM Prof. Samil Runny Yabb 20 June 22 Sundry 400 PM to 600 PM Prof. Samil Runny Yabb 20 June 22 Sundry 400 PM to 600 PM Prof. Samil Runny Yabb 20 June 22 Sundry 400 PM to 600 PM Prof. Samil Runny Yabb 20 June 22 Sundry 400 PM to 600 PM Prof. Samil Runny Yabb 20 June 22 Sundry 400 PM to 600 PM Prof. Runn Cogsts 20 June 22 Sundry 400 PM to 600 PM Prof. Runn Cogsts 20 June 22 Sundry 400 PM to 600 PM Prof. Runn Cogsts 20 June 22 Sundry 400 PM to 600 PM Prof. Runn Cogsts 20 June 22 Sundry 400 PM to 600 PM Prof. Runn Cogsts 20 June 22 Sundry 400 PM to 600 PM Prof. Runn Cogsts 20 June 22 Sundry 400 PM to 600 PM Prof. Runn Cogsts 20 June 22 Sundry 400 PM to 600 PM Prof. Runn Cogsts 20 June 22 Sundry 400 PM to 600 PM Prof. Runn Cogsts 400 PM to 600 PM Pr			Session 8: Intermediate and Advanced Visualization using Tableau		Saturday	4:00 PM to 6:00 PM	Jayesh
Section Processing Compared Application			Session 1: Relevance of Linear Transformations and Eignepairs in Machine Learning		Saturday	4:00 PM to 6:00 PM	Prof. Sumit Kumar Yaday
Property Company Com	_	Essential Mathematics					Prof. Sumit Kumar Yadav
Machine Learning	5	for DS and ML					Prof. Sumit Kumar Yadav
Machine Learning							Prof. Sumit Kumar Yadav
Section Conference Section S							
Machine Learning Agonithms Section 3 Linguist Regression Section							
Algorithms		Machine Learning					
Sestion Speciment	6						
Sestion 8. Clustering Exhangues				24-Jul-22			
Session 1: Text Analytics Session 1: Text Analytics Session 2: Text Analytics Session 3: Text Analytics Session 3: Session			Session 7 : Support Vector Machines	30-Jul-22	Saturday	4:00 PM to 6:00 PM	Prof. Manu Gupta
Text Analytics Session 2: Word association Mining and Pre-processing					,		·
Text Analytics							
Session 6. Text Classification and Summarization 3.4 Aug. 22 Sunday 4.00 PM to 6.00 PM Prof. Sumft Kunar Yadav Session 6.5 Session 6.5 Session 6.5 Session 6.5 Document Classification, Summarization Applications of Deep Learning 2.2 Aug. 22 Sunday 4.00 PM to 6.00 PM Prof. Sumft Kunar Yadav Sumfar							
Session Servanic and Sentiment Analysis 20-Jug-22 Saturday 400 PM to 600 PM Prof. Sumit Kamar Yadaw Session 1: Bas and Variance (overfitting/under fitting); Regularization; Hyper parameter buning; etc. 27-Jug-22 Saturday 400 PM to 600 PM Prof. Ask Bhardway Session 1: Bas and Variance (overfitting/under fitting); Regularization; Hyper parameter buning; etc. 27-Jug-22 Saturday 400 PM to 600 PM Prof. Ask Bhardway Session 2: Statistical Machine Learning 35-bp-22 Saturday 400 PM to 600 PM Prof. Ask Bhardway Machine 1:	7	Text Analytics					
Advanced Machine Learning Concepts Session 1: Bias and Variance (overfitting/under fitting); Regularization; Hyper parameter tuning; etc. 27-Aug-22 Saturday 4.00 PM to 6.00 PM Prof. Alok Bhardway Machine Alok Bhardway Prof. Alok Bhardway Prof							
Advanced Machine Learning			Session 6: Document Classification, Summarization, Applications of Deep Learning	21-Aug-22	Sunday	4:00 PM to 6:00 PM	Prof. Sumit Kumar Yadav
Advanced Machine Learning			Session 1: Bias and Variance (overfitting/under fitting); Regularization; Hyper parameter tuning; etc	27-Aug-22	Saturday	4:00 PM to 6:00 PM	Prof. Alok Bhardwaj
Learning Concepts		Advanced Machine					
Session 4: Mulagorithms for Time-series data 0.95 m/2 2 Saturday 4.00 PM to 6:00 PM Prof. Alok Bhardwaj 1.5 m/2 2 Saturday 4.00 PM to 6:00 PM Prof. Alok Bhardwaj 1.5 m/2 Saturday 4.00 PM to 6:00 PM Prof. Alok Bhardwaj 1.5 m/2 Saturday 4.00 PM to 6:00 PM Prof. Alok Bhardwaj	٥	Learning Concepts					
Beak							
Hackathon 1 Competition			Break	10-Sep-22	Saturday		
Hackathon 1 Competition							
Industry Expert							
Programming with TensorFlow Session 2 : Introduction to TensorFlow Session 3 : Standard National Placeholders Control of Session 4 : Market Market National Placeholders Control of Session 3 : Standard National Placeholders Control of Session 4 : Math with TensorFlow Control of Session 5 : Session 4 : Math with TensorFlow Control of Session 5 : Session 4 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 5 : Session 1 : Math with TensorFlow Control of Session 1 : Math with TensorFlow Control of Session 1 : Math with TensorFlow C							
Programming with TensorFlow Session 1 - Functions with TensorFlow Session 4 - Math with TensorFlow, Optimizers Opt		illudati y Expert					Ragahvendra N
Programming with TensorFlow Session 3: Functions with TensorFlow Session 4: Math with TensorFlow Optimizers Op-Oct-22 Saturday 4:00 PM to 6:00 PM Ragalhvendra N Op-Oct-24 Saturday 4:00 PM to 6:00 PM Ragalhvendra N Op-Oct-25 Saturday Computer Op-Oct-26 Saturday Computer Op-Oct-26 Op-Oct-26 Saturday Computer Op-Oct-26 Op-Oct-26 Saturday Op-Oct-26 Op-Oct-26 Saturday Op-Oct-26 Op-Oct-26 Saturday Op-Oct-26 Op-Oct-26 Saturday Op-Oct-26 Op-O				01-Oct-22		4:00 PM to 6:00 PM	-
Passor Session 3: Functions with Tensor Flow Session 4: Math with Tensor Flow Session 4: Math with Tensor Flow Session 4: Math with Tensor Flow Session 5: Tensor flow 2.0 15-0t-122 Saturday 4:00 PM to 6:00 PM Ragalwendra N Session 5: Tensor flow 2.0 16-0t-122 Sunday 4:00 PM to 6:00 PM Ragalwendra N Session 6: Capstone Projects Introduction 16-0t-122 Sunday 4:00 PM to 6:00 PM Prof. Millie Pant Session 1: Introduction to NN 22-0t-122 Sunday 4:00 PM to 6:00 PM Prof. Millie Pant Session 1: Introduction to NN 23-0t-122 Sunday 4:00 PM to 6:00 PM Prof. Millie Pant Session 1: Perceptron Basics and Nu using NumPy 29-0t-122 Sunday 4:00 PM to 6:00 PM Prof. Millie Pant Session 1: Perceptron Basics and Nu using Tensor Flow 30-0t-122 Sunday 4:00 PM to 6:00 PM Prof. Millie Pant Session 6: Deep Neural Networks		Programming with	Gandhi Jayanti	02-Oct-22	Sunday		
Session 5: Tensorflow 2.0 Session 6: Capstone Projects Introduction 15-Oct-22 Saturday 4.00 PM to 6:00 PM Jayesh	9						
Session 6: Capstone Projects Introduction		Neural Networks &					
Session 1: Introduction to NN 22-Oct-22 Saturday 4:00 PM to 6:00 PM Prof. Millie Pant							
Neural Networks Session 2 : Introduction to NN 23-Oct-22 Sunday 4:00 PM to 6:00 PM Prof. Millie Pant					-		·
Neural Networks & Deep Learning Session 4 : Perceptron Basics and NN using TensorFlow 30-Oct-22 Sunday 4:00 PM to 6:00 PM Prof. Millie Pant							
Deep Learning Session 5 : Deep Neural Networks O5-Nov-22 Saturday 4:00 PM to 6:00 PM Prof. Millie Pant							
Session 6 : Deep Neural Networks 106-Nov-22 Sunday 4:00 PM to 6:00 PM Prof. Millie Pant	10						
Session 7 : Keras API Session 8 : Keras API Session 8 : Keras API Session 8 : Keras API Session 9 Session 8 : Keras API Session 9 Session 8 : Keras API Session 2 Saturday 4:00 PM to 6:00 PM Prof. Millie Pant Prof. Millie							
Session 8 : Keras API			·				
Industry Expert Industry E							
Computer vision with open CV		Industry Expert					
Architecuture		Specialization: Image		20-Nov-22	Sunday	4:00 PM to 6:00 PM	Prof. Alok Bhardwaj
Convolution layer							
Pooling Layer				26-Nov-22	Saturday	4:00 PM to 6:00 PM	Prof. Alok Bhardwaj
CNN For Image Recognition-1 27-Nov-22 Sunday 4:00 PM to 6:00 PM Prof. Alok Bhardwaj							
CNN For Image Recognition-3				27-Nov-22	Sunday	4:00 PM to 6:00 PM	Prof. Alok Bhardwaj
Pretrained CNN Models							
Image classification with KERAS -Binary classification -Multiclass classifi							
Prof. Alok Bhardwaj				IU-Dec-22	Saturday	4:00 PM to 6:00 PM	Prot. Alok Bhardwaj
- Multiclass classification - Mu	11			11-Dec-22	Sunday	4:00 PM to 6:00 PM	Prof. Alok Bhardwai
Real Time image classification - webcam 18-Dec-22 Sunday 4:00 PM to 6:00 PM Prof. Alok Bhardwaj Christmas Eve 24-Dec-22 Christmas Christmas 25-Dec-22 Christmas Christmas<					,		
Christmas Eve 24-Dec-22 Christmas 25-Dec-22 New Year Eve 31-Dec-22			Case Studies	17-Dec-22	Saturday	4:00 PM to 6:00 PM	Prof. Alok Bhardwaj
Christmas 25-Dec-22 New Year Eve 31-Dec-22					Sunday	4:00 PM to 6:00 PM	Prof. Alok Bhardwaj
New Year Eve 31-Dec-22							
New Year 01-Jan-23 01-Jan-23							

		Object Detection	07-Jan-23	Saturday	4:00 PM to 6:00 PM	Prof. Alok Bhardwaj
		Real Time Object Detection	08-Jan-23	Sunday	4:00 PM to 6:00 PM	
		·				Prof. Alok Bhardwaj
		GANs and Reinforcement Learning	14-Jan-23	Saturday	4:00 PM to 6:00 PM	Prof. Alok Bhardwaj
		What is Speech recognition?	20-Nov-22	Sunday	6.30 pm to 8.30 pm	R Chandrashekar
	Campus Immersion	Convolutional Neural Networks(CNN) -Architecuture -Convolution layer -Pooling Layer	26-Nov-22	Saturday	6.30 pm to 8.30 pm	R Chandrashekar
		CNN For Image Recogonition-1	27-Nov-22	Sunday	6.30 pm to 8.30 pm	R Chandrashekar
		Basic Speech recognition API's	03-Dec-22	Saturday	6.30 pm to 8.30 pm	Prof. Sumit Kumar Yadav
11		Advanced NLP - using Word Embeddings Word2Vec, GLOVE	04-Dec-22	Sunday	6.30 pm to 8.30 pm	Prof. Sumit Kumar Yadav
		Sequence models to audio applications	10-Dec-22	Saturday	6.30 pm to 8.30 pm	Prof. Sumit Kumar Yadav
		Introduction to Recurrent Neural Networks - RNN RNN & Variants : -LSTM -GRU	11-Dec-22	Sunday	6.30 pm to 8.30 pm	Prof. Sumit Kumar Yadav
		Application of RNN for Sequence modeling Time series Forecasting with RNN	17-Dec-22	Saturday	6.30 pm to 8.30 pm	Prof. Sumit Kumar Yadav
		case studies	18-Dec-22	Sunday	6.30 pm to 8.30 pm	R Chandrashekar
		Chatbot Architecture	07-Jan-23	Saturday	6.30 pm to 8.30 pm	R Chandrashekar
		Building a chatbot with Dialogflow	08-Jan-23	Sunday	6.30 pm to 8.30 pm	R Chandrashekar
		GANs and Reinforcement Learning Session1: Introduction to Big Data	14-Jan-23 20-Nov-22	Saturday Sunday	6.30 pm to 8.30 pm 6.30 pm to 8.30 pm	Prof. Alok Bhardwaj Shivank Agrawal
		Session2 : Understanding HDFS Architecture	26-Nov-22	Saturday	6.30 pm to 8.30 pm	Shivank Agrawal
		Session3: Understanding Map Reduce and YARN	27-Nov-22	Sunday	6.30 pm to 8.30 pm	Shivank Agrawal
		Session4 : Recap of SQL Concepts	03-Dec-22	Saturday	6.30 pm to 8.30 pm	Shivank Agrawal
		Session5 : Data Analysis using Hive	04-Dec-22	Sunday	6.30 pm to 8.30 pm	Shivank Agrawal
		Session6 : Data Analysis using Hive	10-Dec-22	Saturday	6.30 pm to 8.30 pm	Shivank Agrawal
11		Session7 : Importing SQL data into Hive	11-Dec-22	Sunday	6.30 pm to 8.30 pm	Shivank Agrawal
		Session8 : No SQL databases on Hadoop	17-Dec-22	Saturday	6.30 pm to 8.30 pm	Shivank Agrawal
		Session9 : Understanding Spark RDD's	18-Dec-22	Sunday	6.30 pm to 8.30 pm	Shivank Agrawal
			07-Jan-23	Saturday	6.30 pm to 8.30 pm	Shivank Agrawal
		Session10 : Data Analysis using Spark				
12		Session11 : Spark SQL	08-Jan-23	Sunday	6.30 pm to 8.30 pm	Shivank Agrawal
		Session12 : Spark Case Study	14-Jan-23	Saturday	6.30 pm to 8.30 pm	Shivank Agrawal
		Hackathon 2	13-Feb-23			
		Hackathon 2	14-Feb-23	Tuesday		
		Day 3	15-Feb-23	Wednesday		
		Day 4	16-Feb-23	Thursday		
		Day 5	17-Feb-23	Friday		
	Capstone Submission		25-Mar-23			