TEXAS McCombs
The University of Texas at Austin
McCombs School of Business

G Great Learning
POWER AHEAD

Cohort Launch - 15 October 2022

Structured Courses						
	#	**Course**	**Topics**	**Content Release Date**	**Assessment Deadline**	**Mentored Learning Session Weekend**
Foundations	0	**Pre Work**	1 Setting up Python 2 Python Foundation	*Available on enrollment*		15-Oct
			Diwali Break			
	1	**Fundamentals of AIML**	Python for Data Science	*Available on enrollment*	30-Oct	29-Oct
			Data Visualization and EDA	27-Oct	6-Nov	5-Nov
			Exploratory Data Analysis (Deep Dive)	3-Nov	13-Nov	12-Nov
			Project 1	3-Nov	18-Nov	19-Nov
			Thanks Giving Break			
Machine Learning Courses	2	**Supervised Learning: Regression**	Linear Regression	17-Nov	4-Dec	3-Dec
			Data Preprocessing	1-Dec	11-Dec	10-Dec
			Project 2	1-Dec	16-Dec	17-Dec
			New Year and Christmas Break			
	3	**SUL: Classification**	Logistic	15-Dec	8-Jan	7-Jan
			Decision Tree + GridSearch	5-Jan	15-Jan	14-Jan
			Hackathon*	**19-Jan**	**21- Jan**	
			Project 3	5-Jan	20-Jan	21-Jan
	4	**Ensemble Techniques**	Ensemble Techniques (Bagging & Random Forest)	19-Jan	29-Jan	28-Jan
			Boosting	26-Jan	5-Feb	4-Feb
			Learning break			
			Project 4	26-Jan	17-Feb	18-Feb
	5	**Feature Selection, Model Selection and Tuning**	Regularization	16-Feb	26-Feb	25-Feb
			Feature Engineering & Handling Imbalanced Data	23-Feb	5-Mar	4-Mar
			Project 5	23-Feb	10-Mar	11-Mar
	6	**Unsupervised Learning**	K means Clustering	9-Mar	19-Mar	18-Mar
			Hierarchical Clustering + PCA	16-Mar	26-Mar	25-Mar
			Project 6	16-Mar	31-Mar	1-Apr
Deep Learning	7	**Introduction to Neural Networks**	Pre-work for Deep Learning	30-Mar	Learning Break	
			Intro to ANN, Tensorflow and Keras	6-Apr	16-Apr	15-Apr
			Building Blocks of ANN	14-Apr	23-Apr	22-Apr
			Hackathon*	**30-Mar**	**1-Apr**	
			Project 7	14-Apr	28-Apr	29-Apr
	8	**Introduction to Computer Vision**	Pre-work for Computer vision	27-Apr	Learning Break	
			Intro to CNN - Working with Images	4-May	14-May	13-May
			Introduction to CNNs	11-May	21-May	20-May
			Project 8	11-May	26-May	27-May
	9	**Introduction to Natural Language Processing**	Intro to NLP- Working with Text Data	18-May	4-Jun	3-Jun
			Sentiment Analysis	25-May	11-Jun	10-Jun
			Project 9	25-May	16-Jun	17-Jun
Self-paced Courses						
	10	**Statistical Learning**	Inferential Statistics	*Available on enrollment*	-	-
			Hypothesis Testing	*Available on enrollment*	-	-
			Practice Project	*Available on enrollment*	-	-
	11	**Recommendation Systems**	Intro to RecoSys, Market Basket Analysis, Popularity Based and Content Based Reco Sys	*Post module 9*	-	-
			Collaborative Filtering, SVD Approach, Hybrid Reco Sys	*Post module 9*	-	-
			Practice Project	*Post module 9*	-	-
	12	**Model Deployment**	Model Deployment, Serialization, Real Time Productionalization, Kubernetes, Docker	*Post module 9*	-	-
				Post module 9	-	-

NOTES >>

1 **This schedule might change in the future as and when the design of the program is improved upon.**

2 **The assessment deadlines here mean the end of the day. The exact time will vary for different time zones.**

3 **Assessment here could mean either a quiz or a project.**

4 **Hackathons are optional, non graded and fun learning competitions**