Program Delivery Schedule - August'20

PGP - Artificial Intelligence & Machine Learning

Orientation Session- 15-August-2020

		Structured Modules				
	M #	**Module**	**Course**	**Content Release Date**	**Assessment Deadline**	**Mentored Learning Session Weekend**
Prework	0	**Prework**	Introduction to Python	*Available on enrollment*	-	-
Machine Learning	1	**Foundations for AIML**	Introductory Session with mentor	-	-	22-Aug
			Python - 1	14-Aug	28-Aug	29-Aug
			Python - 2	27-Aug	4-Sep	5-Sep
			EDA	3-Sep	11-Sep	12-Sep
			Project 1	10-Sep	18-Sep	19-Sep
	2	**Supervised Learning**	Linear Regression	17-Sep	25-Sep	26-Sep
			Logistic Regression	24-Sep	2-Oct	3-Oct
			Project 2	24-Sep	9-Oct	10-Oct
	3	**Ensemble Techniques**	Decision Trees	8-Oct	16-Oct	17-Oct
			Ensemble Techniques	15-Oct	23-Oct	24-Oct
			Project 3	15-Oct	30-Oct	31-Oct
	4	**Model Tuning**	Feature Engineering	29-Oct	6-Nov	7-Nov
			Model Tuning	5-Nov	20-Nov	21-Nov
			Project 4	5-Nov	27-Nov	28-Nov
	5	**Unsupervised Learning**	K means Clustering	26-Nov	4-Dec	5-Dec
			Hierarchical Clustering	3-Dec	11-Dec	12-Dec
			Project 5	3-Dec	8-Jan	9-Jan
Deep Learning	6	**Introduction to Neural Networks**	Pre-work for Deep Learning	10-Dec	-	-
			Intro to ANN, Tensorflow and Keras	7-Jan	15-Jan	16-Jan
			Building Blocks of ANN	14-Jan	22-Jan	23-Jan
			Project 6	14-Jan	29-Jan	30-Jan
	7	**Introduction to Computer Vision**	Intro to CNN - Working with Images	28-Jan	5-Feb	6-Feb
			Introduction to CNNs	4-Feb	12-Feb	13-Feb
			Project 7	4-Feb	19-Feb	20-Feb
	8	**Introduction to Natural Language Processing**	Intro to NLP- Working with Text Data	18-Feb	26-Feb	27-Feb
			Sentiment Analysis	25-Feb	5-Mar	6-Mar
			Project 8	25-Feb	12-Mar	13-Mar
Self-paced	9	**Statistical Learning**	Basic Statistics	*Available on enrollment*		
			Inferential Statistics	*Available on enrollment*		
			Hypothesis Testing	*Available on enrollment*		
			Practice Project	*Available on enrollment*		
	10	**Recommendation Systems**	Intro to RecoSys, Market Basket Analysis, Popularity Based and Content Based Reco Sys	14-Mar		
			Collaborative Filtering, SVD Approach, Hybrid Reco Sys	14-Mar		
			Practice Project	14-Mar		

NOTES >>

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

2 **The assessment deadlines here mean end of the day - generally a Friday. Exact deadline time will vary for different timezones, but it will always be beyond end of the day for the dates mentioned here.**

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