Program Delivery Schedule - January'21

PGP - Artificial Intelligence & Machine Learning

Orientation Session- 16-January-2021

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	**Fundamentals of AIML**	Introductory Session with mentor	-	-	23-Jan
			Python - 1	*Available on enrollment*	31-Jan	30-Jan
			Python - 2	28-Jan	7-Feb	6-Feb
			EDA	4-Feb	14-Feb	13-Feb
			Project 1	4-Feb	19-Feb	20-Feb
	2	**Supervised Learning**	Linear Regression	18-Feb	28-Feb	27-Feb
			Logistic Regression	25-Feb	7-Mar	6-Mar
			Project 2	25-Feb	12-Mar	13-Mar
	3	**Ensemble Techniques**	Decision Trees	11-Mar	21-Mar	20-Mar
			Ensemble Techniques	18-Mar	28-Mar	27-Mar
			Project 3	18-Mar	2-Apr	3-Apr
	4	**Model Tuning**	Feature Engineering	1-Apr	11-Apr	10-Apr
			Model Tuning	8-Apr	18-Apr	17-Apr
			Project 4	8-Apr	23-Apr	24-Apr
	5	**Unsupervised Learning**	K means Clustering	22-Apr	2-May	1-May
			Hierarchical Clustering	29-Apr	9-May	8-May
			Project 5	29-Apr	14-May	15-May
Deep Learning	**6**	**Introduction to Neural Networks**	Pre-work for Deep Learning	13-May	-	-
			Intro to ANN, Tensorflow and Keras	20-May	30-May	29-May
			Building Blocks of ANN	27-May	6-Jun	5-Jun
			Project 6	27-May	11-Jun	12-Jun
	7	**Introduction to Computer Vision**	Intro to CNN - Working with Images	10-Jun	20-Jun	19-Jun
			Introduction to CNNs	17-Jun	27-Jun	26-Jun
			Project 7	17-Jun	9-Jul	10-Jul
	8	**Introduction to Natural Language Processing**	Intro to NLP- Working with Text Data	8-Jul	18-Jul	17-Jul
			Sentiment Analysis	15-Jul	25-Jul	24-Jul
			Project 8	15-Jul	30-Jul	31-Jul
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	29-Jul		
			Collaborative Filtering, SVD Approach, Hybrid Reco Sys	29-Jul		
			Practice Project	29-Jul		

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.**