Program Delivery Schedule - October '23

PGP - Artificial Intelligence & Machine Learning

Orientation Session **14-Oct-2023**

Structured Modules						
	#	Module	Course	Content Release Date	Assessment Deadline	Mentored Learning Session
	0	Pre-Work: Intro to Data Sceince and AI Pre-Work: Generative AI Pre-Work: Python	Python: Beginner	*Available on enrollment*	-	23-September
			Intro to the World of AI	*Available on enrollment*	-	30-September
			The Must-Know Mathematics & Statistics Behind AI	*Available on enrollment*	-	7-October
			Orientation + Intro to the World of AI	*Available on enrollment*	-	14-October
			AI Application Case Study #1	-	-	21-Oct
Foundations			Python: Beginner	*Available on enrollment*	-	22-Oct
	1	Python - Foundations	Introduction to Python	*Available on enrollment*	29-Oct	28-Oct
			Python for Data Science	26-Oct	5-Nov	4-Nov
			Diwali Break			
			AI Application Case Study #2	-	-	18-Nov
			Data Visualization	2-Nov	20-Nov	19-Nov
			Thanksgiving Break			
			Exploratory Data Analysis	16-Nov	3-Dec	2-Dec
			Project Support Session	-	-	9-Dec
			AI Application Case Study #3	-	-	16-Dec
			Project 1	16-Nov	15-Dec	17-Dec
			Year End Break			
Machine Learning	2	Machine Learning	Linear Regression	21 Dec	7-Jan	6-Jan
			Decision Trees	4 Jan	14-Jan	13-Jan
			K-means Clustering	11-Jan	21-Jan	20-Jan
			Project 2	4-Jan	26-Jan	27 Jan
	3	Advanced Machine Learning	Hackathon	29-Jan	4-Feb	
			Bagging	25-Jan	4-Feb	3-Feb
			Boosting	1-Feb	11-Feb	10-Feb
			Model Tuning Techniques	8-Feb	18-Feb	17-Feb
			Project 3	1 Feb	23-Feb	24-Feb
	4	Introduction to Neural Networks	**Pre-Work Deep Learning**	22-Feb	***Learning Break***	
			Introduction to Deep Neural Networks	29-Feb	10-Mar	9-Mar
			Building Blocks of Neural Network	7-Mar	17-Mar	16-Mar
			Project 4	7-Mar	22-Mar	23-Mar
Deep Learning	5	Introduction to Computer Vision	Pre-Work Computer Vision	21-Mar	***Learning Break & Easter Break***	
			Hackathon	1-Apr	7-Apr	
			Introduction to Computer Vision	28-Mar	7-Apr	6-Apr
			Transfer Learning	4-Apr	14-Apr	13-Apr
			Project 5	4-Apr	19-Apr	20-Apr
	6	Introduction to Natural Language Processing	**Pre-Work: Natural Language Processing**	18-Apr	***Learning Break***	
			Vectorization and Sentiment Analysis using ML	25 Apr	5-May	4-May
			Sequential Natural Language Processing	2-May	12-May	11-May
			Project 6	2-May	17 May	18-May
Self-paced Courses						
	7	Statistical Learning		*Available on enrollment*	-	-
	8	Generative AI		*Available on enrollment*		
	9	Recommendation Systems		*Post module 6*	-	-
	10	Model Deployment		*Post module 6*	-	-

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.