

**Cohort Launch - 15 Jan 2022**

Structured Courses						
	#	Course	Topics	Content Release Date	Assessment Deadline	Mentored Learning Session Weekend
Foundations	0	Prework	Programming Fundamentals, Python Introduction, Basic Stats	Available on enrollment	-	15-Jan
	1	Fundamentals of AIML	Python Fundamentals	Available on enrollment		22-Jan
			Python for Data Science	13-Jan	30-Jan	29-Jan
			Data Visualization and EDA	20-Jan	6-Feb	5-Feb
			Project 1	20-Jan	11-Feb	12-Feb
Machine Learning Courses	2	Supervised Learning: Regression	Linear Regression	10-Feb	20-Feb	19-Feb
			Data Preprocessing	17-Feb	27-Feb	26-Feb
			Project 2	17-Feb	4-Mar	5-Mar
	3	SUL: Classification	Logistic	3-Mar	13-Mar	12-Mar
			Decision Tree + GridSearch	10-Mar	20-Mar	19-Mar
			Project 3	10-Mar	25-Mar	26-Mar
			Hackathon*	25-Mar	27-Mar	NA
	4	Ensemble Techniques	Ensemble Techniques (Bagging & Random Forest)	24-Mar	3-Apr	2-Apr
			Easter Break			
			Boosting	31-Mar	17-Apr	16-Apr
			Project 4	31-Mar	22-Apr	23-Apr
			Hackathon*	8-Apr	10-Apr	NA
	5	Model Tuning	Regularization	21-Apr	1-May	30-Apr
			Feature Engineering & Handling Imbalanced Data	28-Apr	8-May	7-May
			Project 5	28-Apr	13-May	14-May
	6	Unsupervised Learning	K means Clustering	12-May	22-May	21-May
			Hierarchical Clustering + PCA	19-May	29-May	28-May
			Project 6	19-May	3-Jun	4-Jun
Deep Learning	7	Introduction to Neural Networks	Pre-work for Deep Learning	2-Jun	Learning Break	
			Intro to ANN, Tensorflow and Keras	9-Jun	19-Jun	18-Jun
			Hackathon*	17-Jun	19-Jun	NA
			Independence Day Break			
			Building Blocks of ANN	16-Jun	3-Jul	2-Jul
	8	Introduction to Computer Vision	Project 7	16-Jun	8-Jul	9-Jul
			Intro to CNN - Working with Images	7-Jul	17-Jul	16-Jul
			Introduction to CNNs	14-Jul	24-Jul	23-Jul
	9	Introduction to Natural Language Processing	Project 8	14-Jul	29-Jul	30-Jul
			Intro to NLP- Working with Text Data	28-Jul	7-Aug	6-Aug
Sentiment Analysis			4-Aug	14-Aug	13-Aug	
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	Post module 9	-	-
			Productionalization, Kubernetes, Docker	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.