

6-Months		
Track Covered	Class	Content
Design Thinking	Class 1	Introduction & Design Thinking process
	Class 2	Design Thinking Examples & Activity
Data Track(Python Introduction)	Class 3	Introduction to Data Track Categories in Data Track Querries ?
	Class 4	Introduction to Python Packages in Python
	Class 5	Why Python than other tools? Atom Text editor and its usage. Tool installation
	Class 6	Basic Proramming in Python Special characters
English Class	Class 7	Listening strategies
Python	Class 8	Indentation Keywords
	Class 9	Identifiers Variables Constants Literals
	Class 10	Data Types
	Class 11	Control Flow - If, elif, else
	Class 12	Control Flow - for, while
English Class	Class 13	Reading
Python	Class 14	Functions
	Class 15	Turtle
	Class 16	Libraries in Python
	Class 17	Object oriented programming - Class, Objects, Methods
	Class 18	Object oriented programming - Encapsulation, Polymorphism, Inheritance
English Class	Class 19	Speaking
Data Science	Class 21	What is Anaconda ? Installing Anaconda. Managing Packages & Backup environment using Anaconda.
	Class 22	Intro to Data Science Data Formats and libraries
	Class 23	Numpy and Pandas libraries
	Class 24	Matplotlib and Seaborn libraries
	Class 25	Staistics
	Class 26	Staistics
	Class 27	Probability
	Class 28	Data Wrangling
	Class 29	Data Analysis
	Class 30	Data Analysis
English Class	Class 31	Writing
Data Science	Class 32	Data Visualization

<b>Data Science</b>	Class 33	Data Visualization
	Class 34	Training and testing data
<b>Projects</b>	Class 35 Class 36 Class 37	Data Analysis projects
<b>Machine Learning</b>	Class 38	Intro to Machine Learning Three types of learning
	Class 39	Supervised Learning Classification Regression
	Class 40	K Nearest Neighbor Algorithm Decision Tree
	Class 41	Naive Bayes Random Forest
	Class 42	Unsupervised Learning Clustering
	Class 43	Clustering and its types
	Class 44	Reinforcement Learning Markov decision process
<b>Projects</b>	Class 45 Class 46 Class 47	Machine Learning projects
	Class 48 Class 49	Document preparation
	Class 50	Presentation
<b>Deep learning</b>	Class 51	Neural Network Regression
	Class 52	Gradient and Stochastic gradient descent Perceptron
	Class 53	Backpropagation
	Class 54	CNN Architecture Classification and Regression
	Class 55	Confusion Matrix Types of errors
	Class 56	K- fold cross validation Forward Propagation Sigmoid function
	Class 57	Cost function Loss function
	Class 58	Linear Transform Tensorflow
	Class 59	On Keras Weight Initialization
	Class 60	ReLU Softmax
	Class 61	Architecture of GAN
	Class 62	Autoencoding
	Class 63	Batch Normalization DCGAN
Class 64	Deep Neural Network One-Shot Learning	
<b>Projects</b>	Class 65 Class 66 Class 67	Projects in Deep Learning

<b>Projects</b>	Class 68 Class 69	Document preparation
	Class 70	Presentation