Start Dates (Thursday)	Deadline (Wednesday) (Pub)	Week		Cohort 67 (July 2024) Domestic - 5809	
1-Aug, Thu	7-Aug, Wed	Week 0	Course 0: Prep Course and Intro to Python	Prep : Data Analysis in Excel Analytical Problem Solving [1]	
8-Aug, Thu	14-Aug, Wed	Week 1		Intro to Python	
15-Aug, Thu	21-Aug, Wed	Week 2		Python for DS	
22-Aug, Thu	28-Aug, Wed	Week 3	COURSE 1- Stats and EDA	1.Welcome 2.Data Viz. using Python 3. Intro to Git & Github [Optional] [2]	
29-Aug, Thu	4-Sep, Wed	Week 4		EDA	
5-Sep, Thu	11-Sep, Wed	Week 5		Database Design and Introduction to MySQL	
12-Sep, Thu	18-Sep, Wed	Week 6		Advanced SQL	
19-Sep, Thu	25-Sep, Wed	Week 7		Lending club case study	
26-Sep, Thu	2-Oct, Wed	Week 8			
3-Oct, Thu	9-Oct, Wed	Week 9		Inferential Stats + Hypothesis Testing	
10-Oct, Thu	16-Oct, Wed	Week 10	COURSE 2- ML I	Linear Regression Module	
17-Oct, Thu	23-Oct, Wed	Week 11		Linear Regression Module	
24-Oct, Thu	30-Oct, Wed	Week 12		Linear Regression Assignment:Bike sharing company(demand regression)	
31-Oct, Thu	6-Nov, Wed	Week 13		Logistic Regression	
7-Nov, Thu	13-Nov, Wed	Week 14		Naive Bayes + SVM {optional}	
14-Nov, Thu	20-Nov, Wed	Week 15		Model Selection	
21-Nov, Thu	27-Nov, Wed	Week 16		Buffer	
28-Nov, Thu	4-Dec, Wed	Week 17	COURSE 3- ML II	Advanced Regression	
5-Dec, Thu	11-Dec, Wed	Week 18		Tree Models	
12-Dec, Thu	18-Dec, Wed	Week 19		Random Forest + Practice Considerations {optional}	
19-Dec, Thu	25-Dec, Wed	Week 20		Boosting	
26-Dec, Thu	1-Jan, Wed	Week 21		Unsupervised Clustering	
2-Jan, Thu	8-Jan, Wed	Week 22		PCA	
9-Jan, Thu	15-Jan, Wed	Week 23		Telecom Churn Case Study	
16-Jan, Thu	22-Jan, Wed	Week 24		Buffer	
23-Jan, Thu	29-Jan, Wed	Week 25	COURSE 4- DL	Introduction to Neural Networks - Part1	
30-Jan, Thu	5-Feb, Wed	Week 26		Introduction to Neural Networks - Part2	
6-Feb, Thu	12-Feb, Wed	Week 27		Convolutional Neural Networks + CNN Industry Applications [Optional]	
13-Feb, Thu	19-Feb, Wed	Week 28		Assignment: Convolutional Neural Networks	
20-Feb, Thu	26-Feb, Wed	Week 29		Recurrent Neural Networks	
27-Feb, Thu	5-Mar, Wed	Week 30		Gesture Recognition - Project	
6-Mar, Thu	12-Mar, Wed	Week 31		1st Online Exam - slot 1	16th March 2025, Sunday
13-Mar, Thu	19-Mar, Wed	Week 32		1st Online Exam - slot 2	23rd March 2025, Sunday
20-Mar, Thu	26-Mar, Wed	Week 33	COURSE 5- NLP	NLP - Lexical Processing	
27-Mar, Thu	2-Apr, Wed	Week 34		NLP - Syntactic Processing	
3-Apr, Thu	9-Apr, Wed	Week 35		NLP Assignment - Syntactic Processing	
10-Apr, Thu	16-Apr, Wed	Week 36		NLP - Semantic Processing I	
17-Apr, Thu	23-Apr, Wed	Week 37		NLP - Semantic Processing II	
24-Apr, Thu	30-Apr, Wed	Week 38		Ticket classification Project	
1-May, Thu	7-May, Wed	Week 39		Buffer	
				1. MLOps Elective	2. Generative AI Elective
8-May, Thu	Wed, May 14,25	Week 40		Pre-Requisite Module	Working with ChatGPT APIs + System Design and Building ShopAssist - Part I

MAIN PROGRAM C	Total Courses : 07		Passing Criteria : more than 25% in each Cours	Graded Componenet : 04		Extension : 08
1st Online Exam	Statistics Essentials & ED	MCQ + Case Study + Exam		MCQs		Extension is app
	ML1	MCQ + Assignment + Exam		Assignments	Individual submissio	
	ML2	MCQ + Assignment + Case Study + Exam		Case Study	Group submission (	
	DL	MCQ + Assignment + Case Study + Exam		Online Exam (twice)		
2nd Online Exam	NLP	MCQ + Assignment + Case Study + Exam				
	Elective (MLOPS/GenAI)	MCQ + Assignment + Case Study + Exam				
No exam	Capstone	MCQ + Submission				

Thu, May 15,25	Wed, May 21,25	Week 41		Introduction to MLops	System Design and Building ShopAssist - Part II
Thu, May 22,25	Wed, May 28,25	Week 42		Designing Machine Learning Systems	ShopAssist AI: Deployment using Flask
Thu, May 29,25	Wed, Jun 4,25	Week 43		Experimenting with Data and Model using MLflow	Advanced NLP - Introduction to Attention Mechanism
Thu, Jun 5,25	Wed, Jun 11,25	Week 44		Automating and Orchestrating piepelines with Airflow	Advanced NLP - Introduction to Transformers
Thu, Jun 12,25	Wed, Jun 18,25	Week 45		Building continuous learning infrastructure	Search Techniques and Embeddings
Thu, Jun 19,25	Wed, Jun 25,25	Week 46	COURSE 6- Electives		Vector Databases and Retrieval-Augmented Generation
Thu, Jun 26,25	Wed, Jul 2,25	Week 47		MLOps Project	Mr.HelpMate AI Project Submission
Thu, Jul 3,25	Wed, Jul 9,25	Week 48		Advanced NLP- Introduction to Attention Mechanism	Building LLM applications using LangChain
Thu, Jul 10,25	Wed, Jul 16,25	Week 49		Advanced NLP- Introduction to Transformers	Building LLM applications using Llamaindex
Thu, Jul 17,25	Wed, Jul 23,25	Week 50			Finetuning Large Language Models
Thu, Jul 24,25	Wed, Jul 30,25	Week 51			SemanticSpotter Project Submission
Thu, Jul 31,25	Wed, Aug 6,25	Week 52		Advanced CV- Object Detection & Semantic Segmentation	Scale and Deploy Generative AI Apps using Azure OpenAI
Thu, Aug 7,25	Wed, Aug 13,25	Week 53		MLOps + Deployment: DL (Theory)	Future Developments in Generative AI (Live Session)
Thu, Aug 14,25	Wed, Aug 20,25	Week 54		MLOps + Deployment: DL (Case Study)	Fundamentals of Multimodal models like Stable Diffusion, Mid Journey + Working with StableDiffusion in Python (Optional)
Thu, Aug 21,25	Wed, Aug 27,25	Week 55		2nd Online Exam - slot 1	24th August 2025, Sunday
Thu, Aug 28,25	Wed, Sep 3,25	Week 56		2nd Online Exam - slot 2	31st August 2025, Sunday
Thu, Sep 4,25	Wed, Sep 10,25	Week 57			
Thu, Sep 11,25	Wed, Sep 17,25	Week 58	CAPSTONE	Capstone	Capstone
Thu, Sep 18,25	Wed, Sep 24,25	Week 59			

[1] Prep Course : Non Mandatory & Non Graded

[2] Main Program : Statistic Essential & EDA