Start Dates (Thursday)	Deadline (Wednesday) (Pub)	Week			Cohort 62 (Feb 2024) Domestic - 5798	
29-Feb, Thu	6-Mar, Wed		**Student Manual segment to be published according to the programs being launched (ACP student Manual to be published only for Q-end cohort)**	**Course 0: Prep Course**	1. Intro to Python 2. Python for DS 3. Data Visualisation using Python 4. Analytics problem solving (Optional) 5. Intro to SQL 6 Advanced SQL [1]	
7-Mar, Thu	13-Mar, Wed					
14-Mar, Thu	20-Mar, Wed	Week 0				
21-Mar, Thu	27-Mar, Wed	Week 1	**Bootcamp Publishing in N+2 Cohort**	**Course 1: Statistics**	EDA + Welcome [2]	
28-Mar, Thu	3-Apr, Wed	Week 2			Intro to Git & Github	
4-Apr, Thu	10-Apr, Wed	Week 3			Lending club case study	
11-Apr, Thu	17-Apr, Wed	Week 4			Inferential Stats	
18-Apr, Thu	24-Apr, Wed	Week 5			Hypothesis Testing	
25-Apr, Thu	1-May, Wed	Week 6		**Course 2: Machine Learning - 1**	Linear Regression Module	
2-May, Thu	8-May, Wed	Week 7				
9-May, Thu	15-May, Wed	Week 8			Linear Regression Assignment:Bike sharing company(demand regression)	
16-May, Thu	22-May, Wed	Week 9			Logistic Regression	
23-May, Thu	29-May, Wed	Week 10			Naive Bayes	
30-May, Thu	5-Jun, Wed	Week 11			Model Selection	
6-Jun, Thu	12-Jun, Wed	Week 12			Revision week - Skill test	
13-Jun, Thu	19-Jun, Wed	Week 13		**Course 3 - Machine Learning - 2**	Advanced Regression [3]	
20-Jun, Thu	26-Jun, Wed	Week 14			Advance regression assignment + SVM (Optional)	
27-Jun, Thu	3-Jul, Wed	Week 15			Tree Models	
4-Jul, Thu	10-Jul, Wed	Week 16			Random Forests + Practical Considerations	
11-Jul, Thu	17-Jul, Wed	Week 17			Boosting - 1	
18-Jul, Thu	24-Jul, Wed	Week 18			Unsupervised Clustering	
25-Jul, Thu	31-Jul, Wed	Week 19			PCA	
1-Aug, Thu	7-Aug, Wed	Week 20	**Hackathon Creation Needed. KT to be given by TJ**		Telecom Churn Case Study [4]	
8-Aug, Thu	14-Aug, Wed	Week 21	**Specialisation Creation. - only when ACP cohort is launched**		Buffer - Skill test [5]	
15-Aug, Thu	21-Aug, Wed	Week 22		**Course 4: DL/NLP**	Introduction to Neural Networks - Part1 [6]	
22-Aug, Thu	28-Aug, Wed	Week 23			Introduction to Neural Networks - Part2	
29-Aug, Thu	4-Sep, Wed	Week 24			Convolutional Neural Networks	
5-Sep, Thu	11-Sep, Wed	Week 25			Assignment: Convolutional Neural Networks	
12-Sep, Thu	18-Sep, Wed	Week 26			CNN : Practical Considerations	
19-Sep, Thu	25-Sep, Wed	Week 27			Recurrent Neural Networks	
26-Sep, Thu	2-Oct, Wed	Week 28	**1 Week in advance, alongwith Jarvis Credentials**		Gesture Recognition - Project	
3-Oct, Thu	9-Oct, Wed	Week 29			Exam on Sunday End of the week	
10-Oct, Thu	16-Oct, Wed	Week 30			Revision week - Skill test (DL)	
17-Oct, Thu	23-Oct, Wed	Week 31		**Course 5: NLP/DL**	NLP - Lexical Processing [7]	
24-Oct, Thu	30-Oct, Wed	Week 32			NLP - Syntactic Processing	
31-Oct, Thu	6-Nov, Wed	Week 33			NLP Assignment - Syntactic Processing	
7-Nov, Thu	13-Nov, Wed	Week 34			NLP - Semantic Processing 1	
14-Nov, Thu	20-Nov, Wed	Week 35			NLP - Semantic Processing 2	
21-Nov, Thu	27-Nov, Wed	Week 36			Ticket classification Project	
28-Nov, Thu	4-Dec, Wed	Week 37			Buffer - Skill test(NLP)	

					MLOps Elective	Generative AI Elective
5-Dec, Thu	Wed, Dec 11,24	Week 38	**Elective selection module to be publushed**		Pre-Requisite Module	Advanced NLP - Introduction to Attention Mechanism
Thu, Dec 12,24	Wed, Dec 18,24	Week 39			Introduction to MLops	Advanced NLP - Introduction to Transformers
Thu, Dec 19,24	Wed, Dec 25,24	Week 40	**to be published. 1 week before - Coordinate with TJ for Jarvis**		Designing Machine Learning Systems	Fundamentals of Generative AI, ChatGPT
Thu, Dec 26,24	Wed, Jan 1,25	Week 41			Experimenting with Data and Model using MLflow	Prompt Engineering for InterviewGenie suing Non Reasoning, Chain of Thought & other techniques
Thu, Jan 2,25	Wed, Jan 8,25	Week 42	**Elective creation**		Automating and Orchestrating piepelines with Airflow	Product Development using OpenAI APIs, Fine Tuning using STaR technique in Python
Thu, Jan 9,25	Wed, Jan 15,25	Week 43			Building continuous learning infrastructure	Integrating speech using Whisper API and application deployment using Flask
Thu, Jan 16,25	Wed, Jan 22,25	Week 44			MLops Assignment	Fundamentals of Multimodal LLMS like Stable Diffusion, Mid Journey
Thu, Jan 23,25	Wed, Jan 29,25	Week 45				Fundamentals of Photogrpahy & product development using Stable Diffusion in Python; Applications of LLMs for Data Science problems like clustering, classification
Thu, Jan 30,25	Wed, Feb 5,25	Week 46			Advanced NLP - Introduction to Attention Mechanism	Applications of LLMs to create Embeddings for Large Documents
Thu, Feb 6,25	Wed, Feb 12,25	Week 47			Advanced NLP - Introduction to Transformers	Applications of Vectorstores like Pinecone to store and index embeddings of large documents
Thu, Feb 13,25	Wed, Feb 19,25				Advanced CV - Object Detection & Semantic Segmentation	Understand the importance of LangChain and it's importance
Thu, Feb 20,25	Wed, Feb 26,25					Initialise the agents, tools and vectorstore for storage and retrieval
Thu, Feb 27,25	Wed, Mar 5,25	Week 48	**Capstone Overview module to be published(present in course 6)**			Connect the components using Chain and explore the power of tools in LangChain
Thu, Mar 6,25	Wed, Mar 12,25	Week 51		Course 6: Adv DL/Adv NLP/ AI Leadership	MLOps + Deployment: DL (Theory)	Scale and Deploy Generative AI Apps using Azure OpenAI services
Thu, Mar 13,25	Wed, Mar 19,25	Week 52			MLOps + Deployment: DL (Case Study)	Future Developments in Generative AI
Thu, Mar 20,25	Wed, Mar 26,25	Week 53			Exam on Sunday End of the week	
Thu, Mar 27,25	Wed, Apr 2,25	Week 54	**Elective creation for Capstone**		Revision week - Skill test()	
Thu, Apr 3,25	Wed, Apr 9,25	Week 55			Capstone	
Thu, Apr 10,25	Wed, Apr 16,25	Week 56		Course 7- Deployment and Capstone		
Thu, Apr 17,25	Wed, Apr 23,25	Week 57				

[1] Prep Course

[2] Course 1 : Stats

[3] Course 3 : ML2

[4] Hackathon Creation Needed. KT to be given by TJ

[5] Specialization Creation.

[6] Course 4 : DL

[7] Course 5 : NLP