

3rd Edition Artificial Intelligence Program

Course Contents	Duration	Schedule	Timetable
Chapter 1. Introduction to Artificial Intelligence	3		
Unit 1. The Concept of Artificial Intelligence		29-Aug	4 PM - 7 PM
Unit 2. Applications of Artificial Intelligence			
Unit 3. Trends in Artificial Intelligence			
Unit 4. Course Roadmap			
Chapter 2. Python Programming	21		
- Unit 1. Python I	3	30-Aug	5:30 PM - 8:30 PM
- Unit 2. Python II	4	31-Aug	5:30 PM - 8:30 PM
- Unit 3. Python III	3	01-Sep	5:30 PM - 8:30 PM
- Unit 4. Python IV	3.5	02-Sep	5:30 PM - 8:30 PM
- Unit 5. Python V	5	05-Sep	5:30 PM - 8:30 PM
- Quiz	2.5	06-Sep	5:30 PM - 8:30 PM
		07-Sep	5:30 PM - 8:30 PM
Chapter 3. Python Libraries	18		
- Unit 1. NumPy Package	4.5	08-Sep	5:30 PM - 8:30 PM
- Unit 2. Pandas Package	6.5	09-Sep	5:30 PM - 8:30 PM
- Unit 3. Visualization	4.5	12-Sep	5:30 PM - 8:30 PM
- Quiz	2.5	13-Sep	5:30 PM - 8:30 PM
		14-Sep	5:30 PM - 8:30 PM
		15-Sep	5:30 PM - 8:30 PM
Chapter 4. Probability and Statistics	18		
- Unit 1. Understanding of Probability	2.5	16-Sep	5:30 PM - 8:30 PM
- Unit 2. Understanding of Statistics I	2.5	19-Sep	5:30 PM - 8:30 PM
- Unit 3. Understanding of Statistics II	4	20-Sep	5:30 PM - 8:30 PM
- Unit 4. Statistical Hypothesis Testing	5	21-Sep	5:30 PM - 8:30 PM
- Quiz	4	22-Sep	5:30 PM - 8:30 PM
		23-Sep	5:30 PM - 8:30 PM
Chapter 5. Machine Learning – Part I	15		
- Unit 1. Data Preprocessing	1.5	26-Sep	5:30 PM - 8:30 PM
- Unit 2. Unsupervised Learning	4.5	27-Sep	5:30 PM - 8:30 PM
- Unit 3. Regression	6	28-Sep	5:30 PM - 8:30 PM
- Quiz	3	29-Sep	5:30 PM - 8:30 PM
		30-Sep	5:30 PM - 8:30 PM
Chapter 6. Machine Learning – Part II	15		
- Unit 4. Classification Prediction (Basic)		3-Oct	5:30 PM - 8:30 PM
		04-Oct	5:30 PM - 8:30 PM
- Unit 5. Classification Prediction (Advanced)		6-Oct	5:30 PM - 8:30 PM
- Quiz		07-Oct	5:30 PM - 8:30 PM
		10-Oct	5:30 PM - 8:30 PM
Chapter 8. Machine Learning – Part III	18		
- Unit 6. Natural Language Processing	12	11-Oct	5:30 PM - 8:30 PM
- Unit 7. Image Processing	4.5	12-Oct	5:30 PM - 8:30 PM
- Quiz	1.5	13-Oct	5:30 PM - 8:30 PM
		14-Oct	5:30 PM - 8:30 PM
		17-Oct	5:30 PM - 8:30 PM
		18-Oct	5:30 PM - 8:30 PM
Chapter 7. Starting an AI Project	3		
- Project Preparation	0.5	19-Oct	5:30 PM - 8:30 PM
- Design Thinking	2.5	19-Oct	
Chapter 9. Deep Learning – Part I	15		
- Unit 1. Introduction to Deep Learning	7.5	20-Oct	5:30 PM - 8:30 PM
- Unit 2. Deep Learning Various Topics	5.5	21-Oct	5:30 PM - 8:30 PM
- Quiz	2	24-Oct	5:30 PM - 8:30 PM
		25-Oct	5:30 PM - 8:30 PM
		26-Oct	5:30 PM - 8:30 PM
Chapter 10. Deep Learning – Part II	12		
- Unit 3. Deep Learning with Keras	10	27-Oct	5:30 PM - 8:30 PM
- Quiz	2	28-Oct	5:30 PM - 8:30 PM
		31-Oct	5:30 PM - 8:30 PM
		02-Nov	5:30 PM - 8:30 PM
Chapter 11. AI Capstone Project Tutorial	3		
- Using a Ready-Made CNN Model.	1.5	03-Nov	5:30 PM - 8:30 PM
- AI Application Cases.	1.5		
During the capstone project, student's project activities	75		
Student Activities - Business Development		07-Nov-22	5:30 PM - 8:30 PM
Student Activities with guide (Final Project)		14-Nov-22	5:30 PM - 8:30 PM
Student Activities with guide (Final Project)		18-Nov-22	5:30 PM - 8:30 PM
Student Activities with guide (Final Project)		23-Nov-22	5:30 PM - 8:30 PM
Student Activities with guide (Final Project)		30-Nov-22	
Final Presentation		05-Dec	3 PM- 6 PM
Total			