



Week (15th May, 2025) Introduction to DS (Introduction to Python (Introduction (Introduc		AI/ML Using Python - Course Schedule	
Introduction to Python Assignment - 1 - Quiz	Week	Topic	Assignment
Week 1 (15th May, 2025) Introduction to Spyder I & II Assignment - 1 - Quiz Pour Section (15th May, 2025) Assignment - 1 - Quiz Pour Section (15th May, 2025) Assignment - 2 Quiz Pour Section (15th May, 2025) Assignment - 2 Quiz Pour Section (15th May, 2025) Assignment - 2 Quiz Pour Section (15th May, 2025) Assignment - 2 Quiz Pour Section (15th May, 2025) Assignment - 2 Quiz Pour Section (15th May, 2025) Assignment - 2 Quiz Pour Section (15th May, 2025) Assignment - 2 Quiz Pour Section (15th May, 2025) Assignment - 2 Quiz Pour Section (15th May, 2025) Assignment - 2 Quiz Pour Section (15th May, 2025) Assignment - 2 Quiz Pour Section (15th May, 2025) Assignment - 2 Quiz Pour Section (15th May, 2025) Assignment - 2 Quiz Pour Section (15th May, 2025) Assignment - 5 (Quiz) Pour Section (15th May, 2025) Assignment - 5 (Quiz) Pour Section (15th May, 2025) Assignment - 6 (Quiz) Pour Section (15th May, 2025) Assignment - 6 (Quiz) Pour Section (15th May, 2025) Assignment - 6 (Quiz) Pour Section (15th May, 2025) Assignment - 7 (Quiz) Pour Section (15th May, 2025) Assignment - 7 (Quiz) Pour Section (15th May, 2025) Assignment - 7 (Quiz) Pour Section (15th May, 2025) Assignment - 9 (Quiz) Pour Section (15th May, 2025) Assignment - 9 (Quiz) Pour Section (15th May, 2025) Assignment - 9 (Quiz) Pour Section (15th May, 2025) Assignment - 9 (Quiz) Pour Section (15th May, 2025) Assignment - 9 (Quiz) Pour Section (15th May, 2025) Assignment - 9 (Quiz) Pour Section (15th May, 2025) Assignment - 9 (Quiz) Pour		Introduction to DS	Assignment - 1 - Quiz
The base of the part of the		Introduction to Python	
Variables & DataTypes		Introduction to Spyder I & II	
Week 2 (22nd May, 2025) Sequence Data Types [1-6] Assignment - 2 Quiz Week 3 (29th May, 2025) Descriptive Statistics Assignment - 3 Week 4 (29th May, 2025) Data Visualization Assignment - 4 - Practice Case Study - Data Preparation - Hands-on Assignment - 4 - Practice Case Study - Data Preparation Week 5 (Stock file) (12th June, 2025) Inferential Statistics Assignment - 5 (Quiz) Week 6 (19th June, 2025) Linear Algebra [1-7] Assignment - 6 (Quiz) Week 7 (26th June, 2025) Data Imputation Assignment - 7 (Quiz) Week 7 (26th June, 2025) Hands-on Optimization Assignment - 7 (Quiz) Week 8 (303rd July, 2025) Predictive Modeling - 1 Assignment - 9 (Quiz) Week 9 (10th July, 2025) Predictive Modeling - 1 Assignment - 9 (Quiz) Week 10 (17th July, 2025) Classification & Clustering Assignment - 9 (Quiz) Week 11 (24th July, 2025) Dimensionality Reduction - PCA Hands-on PCA Hands-on PCA		Variables & DataTypes	
Assignment - 2 Quiz		Operators	
Week 3 (29th May, 2025)Descriptive StatisticsAssignment - 3Week 4 (5th June, 2025)Data VisualizationAssignment - 4 - Practice Case States of	Week 2	Sequence Data Types [1-6]	Assignment - 2 Quiz
Pandas		Numpy	
Pandas P	Week 3	Descriptive Statistics	- Assignment - 3
Week 4 (5th June, 2025)Data Preparation - Hands-onAssignment-4-Practice Case St (Stock file)Week 5 (12th June, 2025)Inferential StatisticsAssignment - 5 (Quiz)Week 6 (19th June, 2025)Linear Algebra [1-7]Assignment - 6 (Quiz)Week 7 (26th June, 2025)Data ImputationAssignment - 7 (Quiz)Week 7 (26th June, 2025)Hands-on Optimization for Data Science [1-6]Assignment - 7 (Quiz)Week 8 (03rd July, 2025)Predictive Modeling - 1Assignment - 7 (Quiz)Week 9 (10th July, 2025)Predictive Modeling - 2Assignment - 8 (Quiz)Week 10 (17th July, 2025)Classification & Clustering Classification & Clustering - Hands-onAssignment - 9 (Quiz)Week 11 (24th July, 2025)Dimensionality Reduction - PCAHands-on PCAHands-on PCA	29th May, 2025)	Pandas	
Stock file Case Study - Data Preparation Case Study Practice - Ungraded Case Study Pre-owned Cars		Data Visualization	Assignment-4 -Practice Case Study (Stock file)
Case Study - Data Preparation		Data Preparation - Hands-on	
Meek 5 (12th June, 2025) Inferential Statistics - Hands on	. , ,	Case Study - Data Preparation	
Week 6 (19th June, 2025)Linear Algebra [1-7]Assignment - 5 (Quiz)Week 6 (19th June, 2025)Data ImputationWeek 7 (26th June, 2025)Assignment - 6 (Quiz)Week 7 		Practice -Ungraded Case Study 1 (Pre-owned Cars)	
Inferential Statistics - Hands on	Week 5	Inferential Statistics	- Assignment - 5 (Quiz)
Comparison of the comparison		Inferential Statistics - Hands on	
Data Imputation Data Imputation	Week 6	Linear Algebra [1-7]	- Assignment - 6 (Quiz)
Week 7 (26th June, 2025) Webinar - Debugging Week 8 (03rd July, 2025) Practice - Ungraded Case Study (Covid 19) Week 9 (10th July, 2025) Week 10 (17th July, 2025) Week 11 (24th July, 2025) Hands-on PCA Assignment - 7 (Quiz) Assignment - 7 (Quiz) Assignment - 8 (Quiz) Assignment - 9 (Quiz) Hands-on PCA	19th June, 2025)	Data Imputation	
Cassification & Clustering Classification & Clustering Class		Optimization for Data Science [1-6]	Assignment - 7 (Quiz)
Week 8 (03rd July, 2025) Practice - Ungraded Case Study (Covid 19) Week 9 (10th July, 2025) Week 10 (17th July, 2025) Classification & Clustering Week 11 (24th July, 2025) Hands-on PCA Predictive Modeling - 2 Assignment - 8 (Quiz) Assignment - 9 (Quiz)		Hands-on Optimization	
Predictive Modeling - 1		Webinar - Debugging	
Week 9 (10th July, 2025)Predictive Modeling - 2Assignment - 8 (Quiz)Week 10 (17th July, 2025)Classification & ClusteringAssignment - 9 (Quiz)Week 11 (24th July, 2025)Dimensionality Reduction - PCAHands-on PCA		Predictive Modeling -1	
Week 10 (17th July, 2025) Week 11 (24th July, 2025) Week 11 (24th July, 2025) Rasignment - 8 (Quiz) Assignment - 9 (Quiz) Assignment - 9 (Quiz) Hands-on PCA		Practice -Ungraded Case Study (Covid 19)	
Week 11 (24th July, 2025) Week 11 (24th July, 2025) Assignment - 9 (Quiz) Assignment - 9 (Quiz) Hands-on PCA		Predictive Modeling - 2	Assignment - 8 (Quiz)
Week 11 (24th July, 2025) Classification & Clustering - Hands-on Dimensionality Reduction - PCA Hands-on PCA	Week 10	Classification & Clustering	- Assignment - 9 (Quiz)
(24th July, 2025) Hands-on PCA		Classification & Clustering - Hands-on	
(24th July, 2025) Hands-on PCA	Week 11	Dimensionality Reduction - PCA	
Practice - Ungraded Case Study 3		Hands-on PCA	
		Practice - Ungraded Case Study 3	<u>'</u>
Support Vector Machine		Support Vector Machine	
Week 12 Hands-on SVM	Week 12	Hands-on SVM	
(31st July, 2025) Neural Networks	31st July, 2025)	Neural Networks	
Hands-on Neural Networks		Hands-on Neural Networks	
Final Proctored Exam (Date to be announced) - Certificate		Final Proctored Exam (Date to be announced) - Certifica	te