



Machine Learning Workshop Level-1 For Two Days



.No	Topic	Sub Topic
1.	Introduction Of Machine Learning	Introduction of Artificial Intelligence and Machine Learning
		Brief introduction to Machine Learning for AI
		Classification of Machine Learning
		Difference between Machine Learning and Artificial Intelligence
		Machine Learning Techniques
		Types of Learning
		Machine Learning System Design
		Supervised Learning- Regression Classification
		Future scope, Machine Learning And Artificial Intelligence

		Regression
	Learning Algorithms	Naive Bayes Classification
		Backpropagation
		Logistic Regression
		Support Vector Machines (SVM)
		Random Forest
		Decision Tree
		k-Nearest Neighbors (KNN)
		K-Means Clustering

	Python/Anaconda	Introduction to python and anaconda
		Conditional Statements
		Looping, Control Statements
		Lists, Tuple ,Dictionaries
		String Manipulation
		Functions
		Installing Packages
		Introduction of Various Tool
		Introduction of Anaconda
		Working on spyder ,Jupyter notebook



4	Working on Various Python Library	Installing library and packages for machine learning and data science Matplotlib Scipy and Numpy Pandas IPython toolkit scikit-learn

5	Introduction of OpenCv	Installing Opencv library Introduction of Opencv and its function Reading and Writing Image and Video Creating Different Shape Introduction of Haar-Cascade Classifier Working with images and videos

6	Project	Hand-written Recognition Gender Classification Simple Spam-Detecting Machine Learning Classifier Predict whether a loan applicant was likely to pay back their loan. Stock Market Data Analysis House Price Prediction using Regression Phishing Website Classification ODI Score Predictor Working With IRSI/Titanic Data Set Classification of Solar Flares Animal Classification Car-Number Plate Detection Face Detection /Eye Detection Working with wine Data Set Breast Cancer Wisconsin (Diagnostic) Classification