



Machine Learning Workshop Level-1 For Two Days



S.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
	Introduction of Machine Learning Algorithm	Backpropagation
		Logistic Regression
		Decision Tree
		k-Nearest Neighbors (KNN)
		Clustering

3	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

		Hand-written Recognition
	Projects	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
		Classification of Solar Flares
		Car-Number Plate Detection
		Face Detection /Eye Detection
		Working with wine Data Set
		Breast Cancer Wisconsin (Diagnostic) Classification