



eLearning Course Title: **MACHINE LEARNING (ADVANCE)**

eLearning Course Type: **Paid**

Registration Fee (including GST):- **Rs. 1499/-**

Course conducted by Group/ Regional Directorate Name:- **HRM & CoE Group**

Name & Designation of Course Coordinator: **Mr. Yadu Kr. Yadav, Assistant Director**

Course Coordinator Contact Details: **+91-9958748893**

About eLearning Program (Brief One para): -

Machine learning is a method of data analysis that automates analytical model building. It is a branch of artificial intelligence based on the idea that systems can learn from data, identify patterns and make decisions with minimal human intervention.

eLearning Course Coverage (Specify Module details) :-

MODULES	Advance Level
1	Introduction to Machine Learning
2	Python Basics and Machine learning Package setup
3	Array manipulation
4	Data Wrangling and Manipulation
5	stochastic gradient descent
6	Supervised Learning
7	Regression: Linear Model, ridge , Decision Tree
8	Classification Models : SVM , RandomForest , K-NN
9	Navie Bayes
10	Gaussian Process
11	Feature Engineering

12	Linear and Quadratic Discriminant Analysis
13	Ensemble method
14	Nearest Neighbors
15	Time Series Modelling
16	Recommender Systems
17	Dataset transformations
18	Unsupervised learning
19	clustering : K-means and elbow
20	Manifolds learning
21	Model selection and evaluation
22	Project : sales forecasting for Walmart
23	Wine Quality predictions

Register to learn (Key Learnings' in bullet points):

ML is important because of its wide range of applications and its incredible ability to provide solutions to complex problems efficiently, effectively and quickly. It is applied to:

- ✓ Simplifies Product Marketing and Assists in Accurate Sales Forecasts
- ✓ Simplifies Time-Intensive Documentation in Data Entry
- ✓ Improves Precision of Financial Rules and Models
- ✓ Increases the Efficiency of Predictive Maintenance in the Manufacturing Industry
- ✓ Better Customer Segmentation and Accurate Lifetime Value Prediction

Thanks & Regards
NPC Team