eLearning Course Title: **DATA SCIENCE (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): -

Data science is an inter-disciplinary field that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from structured and unstructured data, and apply knowledge and actionable insights from data across a broad range of application domains.

eLearning Course Coverage (Specify Module details) :-

MODULES	Advance Level
1	Introduction of Datascience and data Analysis
2	Python Basics and statistical Package setup
3	Exploratory Data Analysis
4	Array data manipulation
5	Data Wrangling and Manipulation
6	Statistical Methods for Decision Making
7	Linear regression and regularization
8	Model selection and evaluation
9	Classification: kNN & decisiontrees
10	Intro to probability:NaïveBayes and logisticregression
11	Time Series Analysis
12	ADF, Random walk and Auto Arima
13	AR, Lag Series, ACF, PACF

14	Web scrapping, Text summarization, Lex Rank algorithm
15	Text Mining,Text cleaning, regular expressions, Stemming, Lemmatization
16	Latent Dirichlet Allocation (LDA) Technique
17	Text classification, Document vectors, Text classification using Doc2vec
18	Word cloud, Principal Component Analysis, Bigrams & Trigram
19	interactive dashboards using Tableau
20	NetworkAnalysis
21	Recommender systems
22	Relational databases,SQL
23	Big data storage and retrieval:noSQL,GraphDB
24	capstone Project

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

Data Science is helping shape an efficient world around us. As data science helps in identifying opportunities, governments, dogooders and companies know where exactly the action needs to be taken to drive a bigger impact. Data Science is a field that uses an interdisciplinary approach to make sense of the data and extract actionable insights. It benefits include:

✓ High demand in industry

✓ High paid career

✓ vastly abundant field, having lots of opportunities

✓ Data Science Makes Data Better

✓ Data Scientists are Highly Prestigious

Thanks & Regards
NPC Team