POST GRADUATE DIPLOMA COURSES

PG DIPLOMA IN DATA ANALYTICS

Today, data is at the heart of every successful organization, with data professionals playing a pivotal role in business decisions. This program is ideal for all working professionals and prior programming knowledge is not required. It covers job-critical topics like data analysis, data visualization, regression techniques, supervised learning and unsupervised learning in-depth.

Duration – One year (Two Semesters and Compulsory Internship/Capstone project in Second Semester)

Mode – Blended (Classes will be conducted online and End Semester Examination will be conducted offline)

Class Timing – Evening(after 6pm) during week days and weekends(Saturday and Sunday)

Eligibility – Graduates from any discipline

Course fee – Rs. 50,000(Fifty Thousand only)

Outcome – Students will be industry-ready with the following knowledge:

1. Mathematical foundation, statistical, programming and machine learning theories for analytics
2. Programming skills to implement the analytics and machine learning concepts
3. Knowledge of data preprocessing including ETL, data modeling, analytics, SQL, Implementation in Python and R
4. Basic concepts of economics, accounts, ethical aspects of data analytics and so on

Syllabus -

SUMMARY OF CREDITS IN PG DIPLOMA IN DATA ANALYTICS

DEPARTMENT OF ADVANCED COMPUTING (2022-2024)								
Semester 1	**Code Number**	**Title**	**No. of Hours of Instructions**	**Number of Hours of teaching per**	**Number of credits**	**Continuous Internal Assessment (CIA)**	**End Semester Marks**	**Total marks**

				week		Marks		
Theory	PGDDS1122	Data Analytics and Visualization	3	3	3	30	70-2.5Hrs	100
Theory	PGDDS1222	Database Management Systems	3	3	3	30	70-2.5Hrs	100
Theory	PGDDS1322	Python for Data Analytics	3	3	3	30	70-2.5Hrs	100
Theory	PGDDS1422	Basics of Statistics	3	3	3	30	70-2.5Hrs	100
Practical	PGDDS1P1	Data Analytics and Visualization Lab	2	2	1	30	70-2Hrs	100
Practical	PGDDS1P2	Python for Data Analytics Lab	2	2	1	30	70-2Hrs	100
Practical	PGDDS1P3	Database Management Systems Lab	2	2	1	30	70-2Hrs	100
Practical	PGDDS1P4	Mini Project	4	4	2	30	70-2Hrs	100
Total Number of credits:			**17**					

Semester 2	**Code Number**	**Title**	**No. of Hours of Instructions**	**Number of teaching hrs /week**	**Number of credits**	**Continuous Internal Assessment (CIA)**	**End Semester Marks**	**Total marks**

						Marks		
Theory	PGDD S2122	Machine Learning	3	3	3	30	70-2.5Hrs	100
Theory	PGDD S2222	Linear Algebra	3	3	3	30	70-2.5Hrs	100
Practical	PGDD S2P1	Internship/Capstone Project		34	17			200
Total Number of credits:			**23**					