



DEPARTMENT OF COMPUTER SCIENCE
DR. BHIMRAO AMBEDKAR UNIVERSITY
KHANDARI CAMPUS, AGRA

Value Added Courses

Course Name	Basics of Data Science and its Applications
Course Code	DCS002
Duration	30 Hrs.
Resource Person	Dr. Raj Kumar, Assistant Professor
Organized by	Department of Computer Science, IET, Dr. Bhimrao Ambedkar University, Agra

About the Course:

The need of useful, powerful and adequate data are the need of every fastest growing industries, particularly the field of life sciences like Bio Technology, Micro Biology, System Biology, Medicinal Science, Plant Pathology, Bio Chemistry etc. The need of data, KDD and data cleaning tools for Clinical, Surgical, and Pathological are in great demand for students of life sciences.

Course Objective: To impart knowledge on Big Data, data warehousing, Data mining and data Visualization Tools as per latest need of industry.

Course Contents

Unit I: Concepts and Basics of Big Data, Essentials of KDD process

Unit II : Data Visualization Tools, Data Warehousing techniques and Modelling Data Cloud

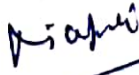
Unit III : Basics of Data Mining Tools and Techniques, Apriori, Birch, Chamlin, Cactus and DBSCAN based soft tools.

Unit IV : Data Cleaning, Data Filtering, ETL & ATL Processes

Unit V : Applications of Data Sciences in R & D to the field of Life Sciences

Books:

- (i) Data Mining by T Acharaya


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