Data Management Systems and Data Engineering - JSPD303

Faculty	Dr. Supriyo Ghose

Credit – 3

Course Workload

Using the table below, indicate the expected student workload for this Course.

Timetabled Hours	Group Work	Directed Learning Hours	Total Hours
30	15	45	90

Learning Outcomes for the Course

1. Assemble data for structured data management
2. Use RDBMS, Entity-relationship model and Querying
3. Create a database model for a business enterprise
4. Create simple queries from a database and complex queries using JOINs, Aggregation operations and Sub-queries
5. Appreciate data engineering and its applications in Business Intelligence
6. List modern forms of data management
7. Identify methods of using semi-structured data through XML and appreciate its business applications

Topics Covered

- Introduction to Data and Database Management
- Database Design
- Querying using SQL
- Complex Queries in SQL
- Data Engineering
- Advanced Data Models: XML and Big Data Analytics

For additional details, visit : https://jagsom.edu.in/careertrack/
Meet our faculty: https://jagsom.edu.in/faculty-directory/