Web Data Management IT410 (3-0-0-3)

Category: Technical Elective

Prerequisite: Basic Database Course/ DBMS IT 214

Abstract Content: The students will study global information system. They will learn to design, implement, query, and integrate web databases. They will be exposed to basic research issues in web databases.

Content:

- Web Searching: Web Data, Traditional and Search Engines, Data Models, Markup Languages: XML, RDF, OWL
- Web Databases: Distributed Databases, Semantic Data, Social Data, Sensor Data, Cloud Data, Web Data Integration and Mapping, Ontologies & Ontology Tools
- Large Scale Data Management: Web Data Management, Data Mapping, Data Partitioning, Query Execution, Query Optimization for Web Data
- Research Issues in Web Data Management

Grading Policy for IT410 WDM

- Student needs to maintain at least 70% attendance otherwise an F grade will be awarded in this course.
- Student needs to complete all the assignments to be able to pass this course.

- Evaluation Scheme:
  - InSem Exams : 40%
  - Assignments: 20%
  - EndSem Exam: 40%