Objective and Course Outline
The structure of the information found on the web will be discussed in detail. The students will learn to represent, describe, and access this information. The student will study some of the current distributed databases and technologies.

Topics to be covered in (38) Lectures
- Introduction: Data on the Web (2)
- Traditional Web Search and Search Engines (2)
- Basics of Distributed Database and searching (4)
- Web Data Models: XML, RDF, OWL (8)
- Ontologies and Ontology Tools (3)
- Intelligent Web Search (2)
- Querying Web Data (2)
- Distributed Databases, Storage, Query Processing (6)
- Web Databases: Semantic Data, Social Data, Sensor Data, Cloud Data, main memory databases (2)
- Research Topics in Large Scale Data Management (4)
- Research Issues (3)
Resources

- Research papers

Evaluation Scheme

Assignments  20%
InSem Exams  40%
EndSem Exam  40%