

Course list



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Data Base Management System

★★★★★ (2 customer reviews)

₹2,000.00

Prof. Partha Pratim
Das

Prof. Samiran
Chattopadhyay

IIT Kharagpur

***Additional GST and optional
Exam fee are applicable.**

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Description	Additional information	Certification Process
Course Details	Reviews (2)	



Course Details

Week 1: Course Overview. Introduction to RDBMS

Week 2: Structured Query Language (SQL)

Week 3: Relational Algebra. Entity-Relationship Model

Week 4: Relational Database Design

Week 5: Application Development. Case Studies. Storage and File Structure

Week 6: Indexing and Hashing. Query Processing

Week 7: Query Optimization. Transactions (Serializability and Recoverability)

Week 8: Concurrency Control. Recovery Systems. Course Summarization.

Books and References

Text Books / Basic Material

- Database System Concepts by Abraham Silberschatz, Henry F. Korth, and S. Sudarshan, 6th Edition, McGraw-Hill Education, 2010.
- Presentations used in the Course

Reference (Advanced) Material

This is a first level course. So the textbook would be the primary resource also for the advanced chapters. In addition, some references will be specified for every topic during the course.





NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to
ARUTHRA K
for successfully completing the course

Data Base Management System

with a consolidated score of **53** %

Online Assignments	21.25/25	Proctored Exam	31.5/75
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Total number of candidates certified in this course: **3478**

Aug-Oct 2022
(8 week course)


Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

 Indian Institute of Technology Kharagpur



Roll No: NPTEL22CS91S34484243

To validate the certificate 

No. of credits recommended: 2 or 3