

Course Instructors

Faculty members from IIT (ISM) Dhanbad and guest speaker(s)

Course Fee

Category		Course Fee*
UG/PG Students (Science /Engineering/ commerce)	Without accommodation	Rs. 3000
	With accommodation	Rs. 8000
Faculty members/Scient ists from Other institutes	Without accommodation	Rs. 4000
	With accommodation	Rs. 9000

*Course fee includes course kit and refreshment only. Food charge at actual to be bond by the participants. Accommodation will be arranged in Executive Development Centre .

Course Timing (Total 40 Hours)

Monday to Friday: 10:00 AM – 12:00 PM, & 04:00-06:00 PM
Saturday & Sunday : 9:00-11:00 AM , 11:30 AM- 12:30 PM
& 03:00 -05:00 PM, 05:30-06:30 PM

How to Apply

Applicants must send the scanned copy of the filled registration form along with the online fee payment receipt to sanjeev@iitism.ac.in.

Mode of Payment: Online only (details below)
Name of the Account: IIT (ISM) Dhanbad
Account Number: 0986101009746
Name of the Bank: CANARA BANK, Dhanbad
IFSC: CNRB0000986
The last date of Registration is on 20/6/2019

- Few seats are reserved for spot registration

SDP on Basics of Database Management Systems (with hands-on session) June 27- July 05, 2019

REGISTRATION FORM

Name: _____

Designation: _____

Organization: _____

Gender: _____

Educational Qualification: _____

Address for Correspondence: _____

Mobile No: _____ E-mail ID: _____

Details of fee payment

Amount: _____

Ref. No: _____

Date: _____

Date: _____ Signature of Applicant

Contact Details
Prof. Sanjeev A. Sahu, (Coordinator)
Prof. Haider Banka (Co-Coordinator)
Centre of Societal Mission
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IIT(ISM) Dhanbad

Skill Development Program

ON Basics of Database Management Systems (with hands-on session)

June 27- July 05, 2019



Organized by

Centre of Societal Mission
IIT(ISM) Dhanbad

www.iitism.ac.in

Course coverage

Introduction to DBMS: Advantages, Database applications, purpose, accessing and modifying databases, architecture - users and administrators.

Data Modelling: Relational Model Query Languages, Relational Algebra and Relational calculus (tuple and domain calculus).

SQL : Basic SQL structure, view, set operations, nested sub-queries, aggregation, database modification triggers). Query facility and query optimization.

Functional and multi-valued dependency, data description languages, Introduction to distributed databases implementation issues. Storage media and storage structure, file organization. Indexing B and B+ tree file,

Hands on Sessions

The course content is designed for people to motivate them to learn query optimization in DBMS. Hands on session will be focused on:

Database creation, Table creation.

Data insertion, Update/modification /Delete /Query implementation. Enforcing integrity constraints. Creating and updating View.

Use of aggregate functions, Join operator Nested Query Group By and Having clause, Trigger creation, Index creation Mini-projects implementation in RDBMS environment.

IIT(ISM) Dhanbad



IIT(ISM) Dhanbad, a fully residential Institute under MHRD, Govt is situated in Dhanbad, Jharkhand, India and it was established in 1926 on the model of Royal School of Mines, London. Apart from earth and mineral science departments of national and international reputation, the institute has expanded with diverse branches in engineering including Computer Science and Engineering, Electronics Engineering, Electrical Engineering, Mechanical Engineering, and also Master of Business Administration. To know about the Institute, please visit at <http://www.iitism.ac.in/>

About Centre of Societal Mission

In consonance with the 'Unnat Bharat Abhiyan' scheme initiated by Shri Narendra Modi, Hon'ble Prime Minister of India, a "Centre of Societal Mission (CSM)" has been operational since 2015 at Indian Institute of Technology (Indian School of Mines) Dhanbad as a part of national initiative of Government of India to enable processes that connect institutes of higher education with local communities, to address the development and challenges of rural India through participatory processes and to utilize an appropriate technologies for accelerating sustainable growth.

Objectives of CSM

To create an Educational, Health and Environmental Awareness among the villagers surrounded by IIT(ISM).

To impart basic Computer Training to the underprivileged children and parents.

To assist the Underprivileged Children for bringing them into mainstream education.

To organize Workshops, Seminars and Symposiums for the development of the people.

To facilitate convergence of development schemes, resources, various planning and implementation initiatives, and coordination of agencies for successful interventions and measurable outcomes in consonance with the 'Unnat Bharat Abhiyan' scheme, launched by the Government of India.

To develop an academic framework for working on societal problems, their solutions, delivery, reporting and assessment.

About Location

IIT(ISM) Dhanbad is well connected by rail and road. It is located at a distance of about 3 KMs from Dhanbad Railway Station in Jharkhand State. Dhanbad station is on grand chord of Eastern Railways and well connected with Howrah, Delhi, Lucknow, Aligarh, Mumbai, Tata Nagar, Ranchi, etc.