

Course Fee

Category	Course Fee (in Rs.)
PG Students	Rs. 4000
Research Scholars	Rs. 6000
Faculty Members and Scientists	Rs. 8000

Note: The Course fee includes food only and does not include charges for accommodation .

How to Apply

Registration will be on first come first served basis due to the availability of limited number of seats. Applicants are requested to download the registration form available online at <http://www.iitism.ac.in> (Short Courses) and send the hard copy of the registration form along with the Demand Draft by post to the Course Coordinator **on or before 25th May, 2017**. The Demand Draft should be drawn in favor of “Registrar, IIT(ISM) Dhanbad”, payable at **Dhanbad**. Participants are requested to send the scanned copy of the Registration form and the Demand Draft via E-mail in advance.

Contact Details:

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Short-Term Course
On

“Conceptual Big Data”
(07-09 June, 2017)

APPLICATION FORM

Name: _____

Designation: _____

Organization: _____

Gender: _____

Educational Qualification: _____

Address for Correspondence:

Mobile No: _____

E-mail ID: _____

Experience: _____

Teaching: _____

Others(Specify): _____

Details of Demand Draft(DD):

Amount: _____

DD Number: _____

Date: _____

Date: _____ Signature of Applicant

INDIAN INSTITUTE OF
TECHNOLOGY (ISM)

Short -Term Course
on

Conceptual Big Data



Organized by

Department of Computer
Science & Engineering

INDIAN INSTITUTE OF
TECHNOLOGY (ISM), DHANBAD

www.iitism.ac.in

Conceptual Big Data

Importance and Scope

Big data is characterized by volume, variety, velocity, and veracity. We should expect conceptual modeling to provide some answers since its historical perspective has always been about structuring information—making its volume searchable, harnessing its variety uniformly, mitigating its velocity with automation, and checking its veracity with application constraints. We provide perspectives about how conceptual modeling can “come to the rescue” for many big-data applications by handling volume and velocity with automation.

The conceptual model provides some answers since its historical perspective has always been about structuring information—making its volume searchable, harnessing its variety uniformly, mitigating its velocity with automation, and checking its veracity with application constraints. We do not envision any silver bullets that will slay the “werewolf” of Big Data, but conceptual modeling can help, as we illustrate with an example from our project that seeks to superimpose a web of knowledge over a rapidly growing heterogeneous collection of documents.

Course Contents:

The short term course aims to include the following topics:

- Modeling of Big Data and Analytics
- Machine learning Algorithms
- Hadoop Distributed File Systems framework.
- Big Data Processing Tools
- Applications of Big Data
- Basic Programming methodology with Hadoop Ecosystem.
- Research Direction in Hadoop Framework

A short-term course for having theoretical basis and hands on experience on these areas has been arranged so that the participants are benefited and eased their lives in today's risky communications.

Handling and Processing of Big Data:

Explanation of theory based practical's along with different processing approaches and architectural frameworks will be discussed.

Hands On Sessions:

- Setting up Hadoop Cluster
- Developing a Big Data processing application
- Running of different hierarchy methods
- Running on Cluster

About IIT(ISM) Dhanbad



ISM Dhanbad, a fully residential university is situated in 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 Department



The department offers two under graduate courses namely B. Tech in CSE and Dual Degree in CSE. The admission of these two courses is through IIT-JEE (Advanced). The department also offers two M.Tech course in CSE and CSE with Specialization of Information Security. The admission of M.Tech is through GATE. The department offers Ph.D in CSE and presently more than 90 full time scholars are working in various research topics. The department runs several sponsored projects from the government organizations like CSIR, MIT and UGC. The department organized International Conferences RAIT-2014, RAIT-2012, National Seminars RAIT 2009 and RAIT 2007. At regular basis, department used to conduct workshop in the filed of Computer Science. To know more about the department, please visit at http://iitism.ac.in/index.php/computer_science

Course Instructors

Indian Institute of Technology, Dhanbad
Indian Institute of Technology, Kharagpur
Indian Institute of Technology, Indore

About Location

IIT(ISM) is well connected by rail and road. The School 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 and Ranchi etc.