

Course Instructors

Faculty members from IIT (ISM) Dhanbad and some guest speakers from IBM India Pvt. Ltd..

Course Fee

Category		Course Fee
UG and PG Students	Internal	Rs. 4500
	External	Rs. 7500
Professionals, Faculty members and Scientists		Rs. 8000
Persons from Industry		Rs. 25000
Foreign Participant		USD 400

The course fee does not include charges for meals and accommodation.

Course Timing

Monday to Friday: 06 :00 PM to 8 :00 PM

Weekends : 9:30 AM to 5:30 PM

Accommodation

Limited shared accommodation is available at EDC on personal payment basis.

How to Apply

Applicants are requested to download the registration form available and send the filled scan copy the registration form and online fee payment receipt to haider@iitism.ac.in.

Fees payment only on Canara Bank online link (Conference/Course fee Category):

http://eps.eshiksa.net/DirectFees/IIT_Dhanbad/index.php. The last date of Registration

is on 20/3/2019

Contact Details

Dr. Haider Banka , Professor In-charge/

Dr. Koushik Mondal, Convener

Emerging Technologies Lab

Dept. of Computer Science & Engineering

IIT(ISM), Dhanbad

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PDP on

Data Modelling for Artificial Intelligence Applications

25 March - 06 April 2019

APPLICATION FORM

Name: _____

Designation: _____

Organization: _____

Gender: _____

Educational Qualification: _____

Address for Correspondence: _____

Mobile No: _____

E-mail ID: _____

Accommodation Required: (Yes/No?): _____

Experience: _____

Teaching: _____

Others(Specify): _____

Details of Demand Draft(DD):

Amount: _____

DD Number: _____

Date: _____

Date: _____ Signature of Applicant

IIT(ISM) Dhanbad

Professional Development Program

Data Modelling for Artificial Intelligence Applications

25 March - 06 April 2019



Organized by

Emerging Technologies Lab.
IIT(ISM) Dhanbad
&
IBM India Pvt. Ltd.

www.iitism.ac.in

Importance and Scope

In the recent years, extensive research has been performed to develop efficient and robust computational methods for Image Data Processing and its analysis. These methods can be applied in different areas like engineering and IT application domains to achieve different goals by using different machine learning techniques along with different mathematics and statistical models. There are number of tools and packages available for study and analysis of data modelling techniques. The main objective of this PDP is to furnish a broad overview and comprehensive understanding of R, Python and their applications for solving AI problems. This course will also provide the basic understanding of the current research trends in this field. Each theoretical session will be further demonstrated with hands-on practical session either in R or Python environment.

Course Contents

The course content is designed for people to motivate them in learning different data processing techniques with Hands-on-sessions in R, Python and IBM Watson services in the Cloud. Broadly, the course contents are as follows:

- Basics of AI
- Underlying Mathematics and Statistics
- Machine Learning
- NLP and CNN
- R, Python and IBM Watson in Cloud
- Applications in different domains
- Industry ready certification process

IIT(ISM) Dhanbad



IIT(ISM) Dhanbad, a fully residential Institute under MHRD, GoI 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/>

Emerging Technologies Lab



The Emerging Technologies Lab was established in the year 2018 to keep abreast with the recent technological advancements in the field of Data Science and Computational Modelling.

This is an era of truly disruptive technologies that not only changes the way that people think but also the way we operate. The Lab was setup to create a vibrant environment for AI applications in all related fields of Science and Engineering with special focus on Earth and Energy Sciences. The Institute has recently signed a MoU with IBM India Pvt. Ltd. to explore the possibility to work jointly in the fields of Artificial Intelligence, Machine Learning, Deep Learning, Big Data Analytics, Cloud Computing, Internet of Things and Block Chain Technology. At regular basis, The Lab is working under Artificial Intelligence R&D Committee (AIRDC) under the guidance IRAA and with constant inspiration from the Director of the Institute. The members of the committee are from different Departments of the Institute who are constantly working on the issues of their respective field in the light of AI and allied Data Sciences techniques. The group also focused on elicit research questions to execute further collaborative research on emerging fields.

About Location

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, Ranchi, etc.