

About the IIT(ISM) Dhanbad:

IIT Dhanbad(ISM) established in 1926, is a premier institute of India under MHRD, Govt. of India. IIT(ISM) Dhanbad is situated in the city of Dhanbad, which is also known as the coal capital of India. This institute is located 3 km from the Dhanbad Railway Station, which lies on the Kolkata-Delhi railway main line. Dhanbad is also connected with Kolkata by National Highway-2 (Grand Trunk Road). Subhash Chandra Bose Domestic/ International Airport, Kolkata is about 250 KM away from Dhanbad.

Department of Mechanical Engineering:

Mechanical engineering department is one of the biggest academic departments of IIT(ISM) Dhanbad. In 1997, the institute began admitting B.Tech students through the Joint Entrance Examination (IIT-JEE). Apart from the B.Tech programme, this department has four post graduation courses namely, M. Tech in Thermal Engg, Machine Design, Manufacturing Engineering and Tribology and Maintenance Engg. Department has big state-of-the-arts Heat Transfer, I.C. Engines, Refrigeration and Air-conditioning and Solar Energy Laboratories.

Introduction to R and Data Analysis(Phase II):

R and Data Mining introduces researchers, post-graduate students, and analysts to data mining using R, a free software environment for statistical computing and graphics. It provides practical methods for using R in applications from academia to industry to extract knowledge from vast amounts of data. Use of R in tasks such as classification and prediction, clustering, outlier detection, association rules, sequence analysis, text mining, social network analysis, sentiment analysis, and more.

Data mining techniques are growing in popularity in a broad range of areas, from banking to insurance, retail, telecom, medicine, research, and government. This Course

focuses on the modeling phase of the data mining process, also addressing data exploration and model evaluation. Features case studies in real-world applications to help readers apply the techniques in their work



SHORT TERM COURSE ON Introduction to R and Data Analysis (Phase II)

August 09-11, 2018

(Lecture schedule: 6 PM – 9 PM)

Organized by

Department of Mechanical Engineering Indian Institute of Technology(ISM), Dhanbad-826004
www.ismdhanbad.ac.in

VENUE: Mechanical Workshop,
DEPARTMENT OF MECHANICAL ENGINEERING

Course contents:

Some Common Terms & Basics in R
• Data Types • Importing Data • Keyboard Input, Database Input, Export Data • Variable Labels, Value Labels, R Iteration & Conditional Constructs. • R Packages: installation and Usages Data Manipulation • Creating New Variable • Operators • Built-in functions • Control Structures • User Defined Functions • Sorting Data • Merging Data • Aggregating Data • Reshaping Data • Sub-setting Data • Data Type Conversions • Basic Statistics: mean median, mode, percentile
• Frequency Distribution, Histogram Analysis. • Advance MsExcel • Introduction to Matlab.

REGISTRATION FORM

Short Term Course on
Introduction to R and Data Analysis (Phase II)

Name -----

Designation-----

Organization-----

Phone-----

Mobile-----I would like to attend the Short term course organized by the Department of Mechanical Engineering to be held on August 09-11, 2018 at IIT(ISM) Dhanbad,

Link: www.iitism.ac.in

(Amount will be paid through IIT (ISM) homepage)

Registration Fee (**Excluding lodging and fooding charges**)

Delegates from Institute (Faculty Member) Rs 6000/-

Delegate from Industry/R&D Centre/Outside Student Rs. 6000/-
Student delegates (inside) Rs. 1000/-

DEADLINE OF REGISTRATION: 09.08.2018

Participants may get accommodation in IIT Guest House during course work.

SPEAKERS: Expert from IIT(ISM) Dhanbad .

CONTACT PERSON:

DR.Somnath Chattopadhyaya, COURSE COORDINATOR, DEPT OF MECH ENGG,IIT(ISM)

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