

# Science Academy's Refresher Course on Crustal Strength Rheology and Seismicity (CSRS-2017)

15–26, May 2017

Sponsored by



Indian Academy of Sciences, Bangalore  
Indian National Science Academy, New Delhi  
The National Academy of Sciences, India, Allahabad

Organized by



Department of Applied Mathematics  
&  
Department of Applied Geology  
Indian Institute of Technology  
(Indian School of Mines)  
Dhanbad-826004, Jharkhand  
[www.iitism.ac.in](http://www.iitism.ac.in)

## Objective

Rheological behavior of rocks and their properties inside the earth, effect of that properties on seismicity are commonly used in various disciplines of science and engineering, etc. The basic concept of rheological behavior may be applied at various levels in academics, industry and research and development in science and engineering. The formulation of physical concept into a reliable model is one of the challenging task for upcoming scientists and engineers. It may happen only when the basic concept and their significant applications are well-known to them at early stage of education.

The key features of this Course are enlisted as follows:

- To abreast with the knowledge and expertise of eminent academicians working on rheological behavior and their seismicity with various applications in science and engineering.
- To motivate the young minds towards recent advances and research with applications of concepts of rheological behavior and their seismicity.
- Under graduate and Master students may be given preference to participate in the programme for his/her exposure and opportunity to interact with eminent academicians who are exclusively working in the areas of rheological behavior and their seismicity.
- Hands on session/Tutorials will be organized to solve the real world problems.
- Study material will be provided to all participants in the form of soft and hard copy.
- Only **25 outstation and 10 Local Teachers/Research Scholars/Post Graduate Students** will get an opportunity to participate in this course.

## Theme of the Refresher Course:

**Rheological behavior of rocks, Variation of rheological properties inside the earth, Effect of rheological properties on seismicity (48 Lecture and hands on session)**

## Important Dates

Last Date extended for Registration: **On or Before April 15, 2017**

Dates: **15–26, May 2017**

**Venue: IIT(ISM), Dhanbad**

## About IIT(ISM), Dhanbad

IIT(ISM) is a fully residential technical institute having all modern amenities located in the mineral-rich belt of India in the prime cooking coal city of Dhanbad, Jharkhand. It was established as ISM in 1926 on the lines of the Royal School of Mines, London. IIT (ISM) an Institute of National importance has been rendering invaluable service to the cause of global education and societal development in its nine long decades of existence. Keeping in tune with the changing times a need has been realized for further expansion and diversification. IIT (ISM) has grown into a

full-fledged technical institution with 18 faculty Departments offering a wide range of courses in Engineering, Science, Management, Humanities and Social Sciences at UG, PG and Ph.D. levels. IIT (ISM) admits students through IIT-JEE and GATE Entrance Exam in various courses of the respective departments.

## About the Department

The departments provide an outstanding research environment complemented by excellent teaching for their students to flourish in different arena of academics and industry as well. The departments are executing various sponsored projects received by UGC, CSIR, NBHM, ISRO, DST, CGWB, GSI etc. It is well recognized by the external funding agencies with SAP-DRS provided by UGC, FIST provided by DST and Science Academy programme provided by National Science Academy's. The departmental societies are contributing significantly towards academic outreach such as Workshop, Training Programmes, Conferences and Research activities as well.

## List of Resource Persons

- Prof. Alok K Gupta, **Course Director**
- Prof. V. P. Dimri, NGRI Hyderabad
- Prof. T. D. Mahabaleswara, IASc. Bangalore
- Prof. Prof. Shankar Nath, IIT Kharagpur
- Prof. S. Mohanty, IIT(ISM) Dhanbad, Course Coordinator
- Prof. P. K. Khan, IIT(ISM) Dhanbad
- Dr. M. K. Singh, IIT(ISM) Dhanbad, Course Coordinator

## Course Director:

Prof. Alok K Gupta, **Course Director, University of Allahabad**

## Contact Address:

### Course Coordinator

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**For Application click the following link:**

<http://web-japps.ias.ac.in:8080/Refreshcourse/RCSTST.jsp#>