

Resource Persons: Guest speakers from various IITs/NITs, R&D Lab and central universities.

Eligibility: College/university/institute teachers in **Chemistry, Material science and Chemical engineering** who are in continuous service.

Registration Fee: Nil

Boarding & Lodging: Free. Food and accommodation on shared basis is available for outstation participants only on first come first serve basis.

How to Apply

The application form along with terms and conditions are enclosed with this brochure. The same can be download from the IIT(ISM) website (<http://iitism.ac.in/dep>) and send the hard copy of the duly filled application form by speed post to the Programme coordinator(s) **on or before 25th May, 2017**.

[Please click here to download Application Form.](#)

FDC members & Organizing Committee:

Prof. A. K. Nirala, Coordinator, FDC
Dr. Mahendra Yadav, Coordinator, FDC
Dr. H P Nayek, Co-Coordinator, FDC
Dr. Prashant K. Sharma, Co-Coordinator, FDC
Dr. U. Tripathy, , Co-Coordinator, FDC
Dr. P K Kewat, Co-Coordinator, FDC
Dr. S A Sahu, Co-Coordinator, FDC

Local Organizing Committee:

All the faculty members of the Department of Applied Chemistry, IIT(ISM) Dhanbad.

Programme Co-Ordinators and Contact Details:

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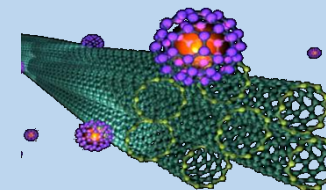
REFRESHER PROGRAMME IN CHEMISTRY

with a special focus on Material Chemistry
(for College/University/Institute Teachers)

under

FACULTY DEVELOPMENT CENTRE

[A MHRD, GOI FUNDED CENTRE SANCTIONED UNDER
PANDIT MADAN MOHAN MALVIYA NATIONAL MISSION ON
TEACHERS AND TEACHING(PMMMNTT)]



JUNE 01 - JUNE 21, 2017



Organized by

**FACULTY DEVELOPMENT CENTRE
INDIAN INSTITUTE OF TECHNOLOGY
(INDIAN SCHOOL OF MINES)
DHANBAD 826004, JHARKHAND, INDIA
E-mail: fdc@ismdhanbad.ac.in
<http://www.iitism.ac.in/>**

About IIT (ISM) Dhanbad



The Indian Institute of Technology (Indian School of Mines), Dhanbad, a fully residential institute is situated in Jharkhand state, India. It was established in 1926 on the model of the Royal School of Mines, London. IIT(ISM) Dhanbad, an institute of national importance, has been rendering in valuable service to the cause of global education and social development in its nine long decades of existence. Keeping in tune with the changing time, IIT(ISM) has grown into a full fledged technical institution with 18 departments offering a wide range of courses in Engineering, Science, Management, Humanities and Social Sciences at UG, PG and Ph.D. level. For detailed instruction, please visit at <http://iitism.ac.in/>

Venue Location:

The course will be conducted at FDC/EDC, IIT(ISM), Dhanbad. Dhanbad has good railway connectivity from several parts of the country. The nearby airports are Kolkata and Ranchi which are about 250 km & 180 km, respectively, from Dhanbad.

About Faculty Development Centre (FDC)

The Faculty Development Center (FDC) at The Indian Institute of Technology (Indian School of Mines), Dhanbad, has been sanctioned by the Ministry of Human Resource Development Government of India, under the Scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT). Faculty development has a critical role to play in promoting academic excellence and innovation. FDC will incubate and nurture, on a continuous basis the professional development of teachers and will create opportunities for professional growth. Research Cell located within FDC will help to undertake research on different aspects for professional development of teachers. Faculty development is an essential element of institutional effectiveness. The extent to which the institution supports faculty development will be strongly reflected in levels of the engagement in learning activities, conduct of research and ultimately fulfilling the objectives and goals of the college/university/institute. Faculty development programmes include the four possible types of development: personal (interpersonal skills, career development, and life planning issues); instructional (course design and development, instructional technology); organizational (ways to improve the institutional environment to better support teaching); and professional (ways to support faculty members so that they fulfill their multiple roles of teaching, research, and service).

Vision & Mission

- To inculcate among teachers, the motivations to promote institutional effectiveness through the development of personal, instructional, organizational, and professional growth of faculty.

- To promote organizational strategies for faculty development so as to incentivise teachers to grow professionally and enable the institutions to grow.
- Faculty development is expected to result in improved teaching performance and better learning outcomes for students and teachers.
- To promote new ways of thinking about the student-teacher relationship, and increased commitment to educational scholarship.
- Developing all round skills are a prominent aspect for faculty development.

Objectives

- Training programme for the entry level teachers or faculties on probation will be planned so that the person who enters the college/university/institute is sensitized of his/her roles and responsibilities in their respective organizations.
- Raising the quality of teaching in colleges/universities/Institutes.
- The Faculty Development Centre will also offer a wide variety of services, as outlined below.
 - Teaching & Learning
 - Research & Creative Activity
 - Career Planning
 - Collegial Conversations
 - Communication Technology
 - Resources & Support

Course Contents: The main objective of this course is to shed light on the fundamental & advanced topics in Chemistry with a special focus on catalysis, supercapacitor, energy storage materials, corrosion, photochemistry, sensors, green chemistry and drug delivery. Use of modern instruments to solve the chemical problems are included.