

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

Eligibility: Newly joined research scholars of science and engineering departments of Colleges / Universities/ Institute.

Registration Fee: Nil

Boarding & Lodging: Free food. The shared accommodation 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 downloaded from the IIT(ISM) website (<http://www.iitism.ac.in>) and send the hard copy of the duly filled application form to the organizing committee members by speed post **on or before 05th Dec, 2017**.

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 nearly 250 km and 180 km, respectively, from Dhanbad.

Organizing Committee & FDC Coordinators

Prof. A. K. Nirala, Co-ordinator, FDC
Dr. M. Yadav, Co-ordinator, FDC
Dr. P. K. Sharma, Co-coordinator, FDC
Dr. U. Tripathy, Co-coordinator, FDC
Dr. H. P. Nayek, Co-coordinator, FDC
Dr. P. K. Kewat, Co-coordinator, FDC
Dr. S. A. Sahu, Co-coordinator, FDC

Contact Details

Prof. A. K. Nirala
Coordinator
Faculty Development Centre
Indian Institute of Technology (ISM)
Dhanbad 826004, Jharkhand, India
Email: fdc@iitism.ac.in

NATIONAL TRAINING PROGRAMME

ON

RESEARCH METHODOLOGY

under

FACULTY DEVELOPMENT CENTRE

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



DEC 18 - DEC 23, 2017



Organized by

**FACULTY DEVELOPMENT CENTRE
INDIAN INSTITUTE OF TECHNOLOGY
(INDIAN SCHOOL OF MINES)
DHANBAD 826004, JHARKHAND, INDIA**

E-mail: fdc@iitism.ac.in
<http://www.iitism.ac.in/>

About Indian Institute of Technology (ISM) Dhanbad



Indian Institute of Technology (Indian School of Mines) Dhanbad is a fully residential technical institute having all modern facilities located in the mineral-rich belt of India in the major cooking coal city of Dhanbad, Jharkhand, India. It was established as ISM in 1926 on the lines of the Royal School of Mines, London.

IIT (ISM) Dhanbad, 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 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 Faculty Development Centre (FDC)

The Faculty Development Center at Indian Institute of Technology (Indian School of Mines) Dhanbad, has been sanctioned by the Ministry of Human Resources Development Government of India, under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Training (PMMNMTT). 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 colleges/universities/institutes. Faculty development program includes 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 and 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 incentivize 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 program 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 center will also offer a wide variety of services, as outlined below.
 - Teaching & Learning
 - Research & Creative Activity
 - Career Planning
 - Collegial Conversations
 - Communication Technologies
 - Resources & Support

Programme Contents

The programme will focus on:

- Publication ethics/ Plagiarism.
- Intellectual Property Right (IPR).
- Multi and inter-disciplinary research work.
- Global and National fellowship opportunities during and after Ph.D work.
- How to write research proposal?
- Various types of Indexing Systems & Impact Factor (IF) of Journals.
- Art of writing scientific research paper (review article, mini-review, full-length article, short communication, perspective).
- Art of making slide presentation.
- Value and ethics of human life.



FACULTY DEVELOPMENT CENTRE

(A MHRD, GOI FUNDED CENTRE SANCTIONED UNDER PMMMNMTT)

INDIAN INSTITUTE OF TECHNOLOGY

(INDIAN SCHOOL OF MINES)

DHANBAD 826004, JHARKHAND, INDIA

APPLICATION FOR ADMISSION TO THE

NATIONAL TRAINING PROGRAMME ON RESEARCH METHODOLOGY

PHOTO

FOR THE COLLEGE/UNIVERSITY/INSTITUTE RESEARCH SCHOLARS (YEAR 2017-2018)

(Part A: To be filled by the candidate)

1. Name (block letters):
2. Designation:
3. Office Address:
4. Phone No.: Mobile No.: Email:
5. Date of Birth: ... DD/MM/YYYY ... Male / Female / Trans Gender (Please tick appropriate box)
6. Category: SC /ST /OBC /GENERAL (Please tick appropriate box)
7. Research Experience: (Years)..... (Months) in(Subject)
(Please submit xerox copy of **joining letter**)
8. **For outstation participants only:** Whether accommodation is required: YES/NO. If **NO** please give your local address:
.....
.....
9. Any other relevant details:
10. **Declaration:** I certify that I fulfil the eligibility criteria and details given above are true to the best of my knowledge and I accept to follow the terms and conditions (enclosed overleaf) of the Faculty Development Centre, Indian Institute of Technology (ISM), Dhanbad.

Date:

Place:

Full Signature of the Applicant

(Part B: To be filled by Employer)

This application of Mr./Mrs./Ms a Research Scholar in this College/Universities/Institute, w.e.f. is being recommended and forwarded to the Co-Ordinator(s), Faculty Development Centre, IIT(ISM) Dhanbad for attending National Training Programme for Research Scholars. If selected, he/she will be fully relieved for the entire period of the programme.

Place:

Date:

Phone No.:

**Signature of HOD
(with seal)**



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INDIAN INSTITUTE OF TECHNOLOGY

(INDIAN SCHOOL OF MINES)

DHANBAD 826004, JHARKHAND, INDIA

TERMS AND CONDITION FOR NATIONAL TRAINING PROGRAMME ON RESEARCH METHODOLOGY AT FDC-IIT(ISM) DHANBAD

- 1. Eligibility:** Research Scholars of Science & Engineering Departments of College/University/Institute within two years of joining period.
- 2. Nature of Support:**
 - a. Registration Fee:** NIL.
 - b. Boarding & Lodging: FREE.** This will cover food and shared accommodation for outstation participants only on first come first serve basis.
 - c. TA/DA: The participants will be paid TA/DA as per MHRD, GOI norms.** All outstation participants shall be paid one time to and fro IIIrd AC railway fare from their place of work to Dhanbad and back through shortest route only on successful completion of the programme. The participants are required to submit the original railway tickets for the to and fro journey.
- 3.** All the participants are required to bring **two passport-size photographs.**
- 4.** The programme will be full time through six days a week and classes will be conducted even on holidays except Sundays. The detailed programme shall be provided during registration.
- 5.** All participants must register themselves positively on the Inaugural Day at the FDC, IIT (ISM) Dhanbad failing which the selection to participate shall stand cancelled.
- 6.** The participants will also be requested to submit their opinion and suggestions (feedback) on the various components of the programme as well as seminars on the fellow participants.
- 7.** The participants are required to attend all the sessions of the programme sincerely. **No leave shall be granted during the programme.**
- 8.** Only those participants who will complete the programme in all respects shall be eligible to receive the certificate of participation. In case of any default on the part of the applicant, the Co-Ordinator(s), FDC, IIT(ISM) Dhanbad, has all the rights to cancel the admission or withhold payment of TA/DA and the certificate. In such a case no queries will be entertained.
- 9.** Hard copy of complete application in all aspects along with all the documents should reach to any of the Programme Co-Ordinators of Faculty Development Centre, IIT (ISM), Dhanbad at following address:
 - a. Prof. A. K. Nirala**, Coordinator, Faculty Development Centre, Department of Applied Physics, Indian Institute of Technology (Indian School of Mines), Dhanbad-826004, Jharkhand, IN, Ph: 0326-223-5483 (O); 094311251232(Mo), Email: aknirala@gmail.com
 - b. Dr. Mahendra Yadav**, Coordinator, Faculty Development Centre, Department of Applied Chemistry, Indian Institute of Technology (Indian School of Mines), Dhanbad-826004, Jharkhand, IN, Ph: 0326-223-5428 (O); 09431711185 (Mo), Email: yadav_drmahendra@yahoo.co.in