



PATRON IN CHIEF

Dr. S. Mohanta
Director, Indira Gandhi Institute of Technology Sarang
professor & Head, Dept. of Chemical Engineering

GENERAL CHAIR

Dr. S. C. Patnaik
Professor & Head, Dept. of Metallurgical & Materials Engineering
Dean (A&E), Indira Gandhi Institute of Technology Sarang

ADVISORY COMMITTEE

Dr. B. P. Panigrahi,
Professor & Dean (FARC), Indira Gandhi Institute of Technology Sarang

Dr. B. D. Sahoo
Professor & Head, Dept. of Mechanical Engineering,
Indira Gandhi Institute of Technology Sarang

Dr. S. N. Mishra
Professor & Head, Dept. of Computer Science and Engineering Application,
Indira Gandhi Institute of Technology Sarang

Dr. T. K. Nath
Professor & Head, Dept. of Civil Engineering,
Indira Gandhi Institute of Technology Sarang

Dr. P. Das
Associate Professor & Head, Dept. of Electrical Engineering,
Indira Gandhi Institute of Technology Sarang

Dr. U. Bhanja
Associate Professor & Head, Dept. of Electronics and Telecommunication,
Indira Gandhi Institute of Technology Sarang

Dr. B. B. Choudhury
Associate Professor & Head, Dept. of Production Engineering,
Indira Gandhi Institute of Technology Sarang

ORGANISING COMMITTEE

Mrs. S. Behera	Mr. S. K. Sahoo	Mr. J. Majhi
Mr.A.B.Pattnayak	Mr. S. Tiwari	Mrs. I. Tripathy
Mr. U. Roy	Mr. J. K.Sahoo	Mr. H. Sahoo
Mr. J. Pani	Ms. P. Nayak	Mr. S. S. Padhi
Mr. S. K. Sahoo	Ms. S. Mohant	

TECHNICAL ASSISTANCE

Ms. S.Mallick	Mr.N.Nayak	Mrs D.Naik
Mr.P.K.Sahoo	Mr.C.Biswal	

MORE DETAILS PLEASE CONTACT

Dr.P.K.Mallik
E-mail:prafulla.mallik@igitsarang.ac.in
Mobile:+91-9437104166



AICTE Sponsored
FACULTY DEVELOPMENT PROGRAMME
on

**FUNDAMENTAL OF PROCESSING, PROPERTIES
AND APPLICATION OF NANO MATERIALS**

16th– 28thDecember, 2019



Coordinator

Dr. Prafulla Kumar Mallik
Dept. of Metallurgical & Materials Engineering
Indira Gandhi Institute of Technology, Sarang
Dhenkanal, Odisha- 759146
Tel: +919437104166

Organised by
Dept of Metallurgical and Materials Engineering
Indira Gandhi Institute of Technology
Saranga

ABOUT THE PROGRAMME

In the 22 century, the nanoscience and nanotechnology has been recognised as a key importance in science, technology and economics. The size, surface and confinement effects form the foundation of nanoscience and nanotechnology. The fundamentals of nanoscience and technology are crucial to understand for teachers and students with issues such as devices and materials for various applications. The basic objective of the Faculty Development Programme (FDP) is to deal with basic principles of nanomaterials and frontier progress. It is an interdisciplinary approach giving special emphasis on analytical approach through tutorial sessions. The participants will be able to get a good understanding of fundamental knowledge and analytical skill towards design and develop new functional nanomaterials and devices.

COURSE CONTENTS

This course aims to include introduction to nanoscience and nanotechnologies, histories of Nanotechnology and Nanoscience in nature and fundamentals of nano effects. Overview of nanomaterials, fabrication Technics of nanomaterials, characterisation and properties of nanomaterials. Application of nanomaterials in medicine and health care, environment, energy, information and communication technology.

WHO WILL BENEFIT

Faculty from AICTE approved degree level institutes and universities are eligible to participate (limited to 40 participants). This course will benefit any engineer, faculties and research personnel who deal with processes, design, and development of new materials.

REGISTRATION FEE

No registration fee is charged for the faculties of AICTE approved institutes and universities. However, they have to pay an application fee of Rs.500/- each in the form of a bank draft (drawn in favour of FDP, IGIT Sarang) along with the registration form of the course. The amount will be refunded after joining and completing the programme. Fees for industries and research organisation personnel has to pay amount of Rs. 5,000/-per participant. Registration fee includes course materials, copy of the Proceedings, refreshment, broadening and lodging during the course.

TRAVEL AND ACCOMMODATION

As per AICTE norms, to-and-fro travel cost (on the production of original tickets) by the shortest route between the place of work and venue of the course will be reimbursed to the participants. All the participants will provide suitable accommodation in the institute campus.

ABOUT THE INSTITUTE

Indira Gandhi Institute of Technology (IGIT), Sarang was established in 1982. IGIT Sarang offers Ph.D, PG, UG and Diploma programs in Engineering and Science. All the programmes were accredited in the year 2016 by the National Board of Accreditation of AICTE. Each department conducts annually at least one Conference/Workshop for effective dissemination of state-of-art technologies and research findings for the benefit of teaching faculty and industries. The institute is extremely proud of its alumni, a considerable number of them being entrepreneurs or senior executives in industries both within India and abroad. The institution is located at Sarang, at the bank of river Brahmani, about 8 kms from Talcher and 120 kms from Bhubaneswar and is well communicated by bus and train. The climate is good and amusing at IGIT during March. The stay will be very much pleasant during this period. Website: www.igitsarang.ac.in

ABOUT THE DEPARTMENT

The Department of Metallurgical and Materials Engineering has all the infrastructural facilities required for imparting high quality education and is planned to meet the present day needs of the society. The department is well equipped with excellent laboratories provided with state-of-art equipment and experimental facilities. It has also highly qualified and experienced faculty members.

LAST DATE

Last Date for the Receipt of Application: 30th November, 2019 (Enrol today through email or preregistration followed by confirmation by post as the registration will be stopped once the requisite numbers of participants are registered.)

DEADLINES

For submitting application: 30th November, 2019
For notification of acceptance: 5th December, 2019
For further details: <http://www.igitsarang.ac.in>

EXPECTED RESOURCE PERSONS

Dr. B. Basu, Professor
Material Research Center, IISc Bangalore,
Dr. K. Balani, Professor
Materials Science and Engineering, IIT Kanpur
Dr. R. K. Behera, Associate Professor
Dept. of Electrical Engineering, IIT Patna
A series of lectures will be delivered by the experts from NIT-Rourkela & IGIT Sarang. It will cover the fundamentals as well as applications of complete range of techniques.

DATE & TIME OF REPORTING

16th Dec 2019, 09.00 AM at Conference Hall, IGIT Sarang



REGISTRATION FORM

AICTE Sponsored two weeks

FACULTY DEVELOPMENT PROGRAMME (FDP)



on

FUNDAMENTALS OF PROCESSING, PROPERTIES AND APPLICATION OF NANO MATERIALS

(FPPANM-2019)

December 16-28, 2019

Organised by

Dept of Metallurgical and Materials Engineering

Name: _____ Gender: M / F

Designation: _____

Organization: _____

Mailing Address: _____

Telephone : _____ (O) _____ (R)

Fax: _____

Mobile: _____

E-mail: _____

BANK DRAFT DETAILS

D.D.No.: _____

Drawn on: _____

Amount: _____

(Bank Draft in favour of _____)

FDP No.34-55/160/RIFD/FDP/POLICY-1/2017, IGIT Sarang)

Date: _____
Place: _____ Signature of the Applicant

N.B: The applicant is a permanent faculty/ employee of our organisation will be recommended for the course.

Signature with seal of the Head of the organisation