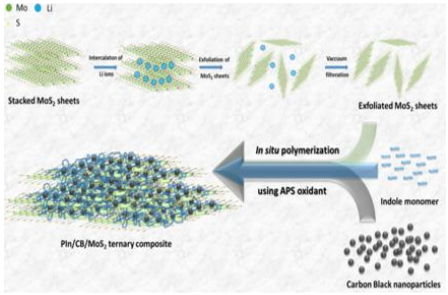
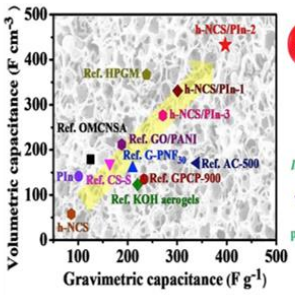
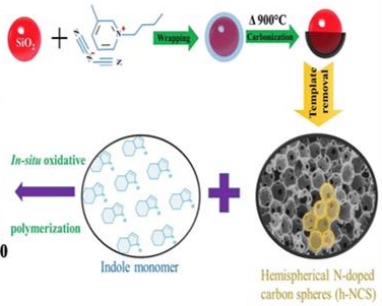
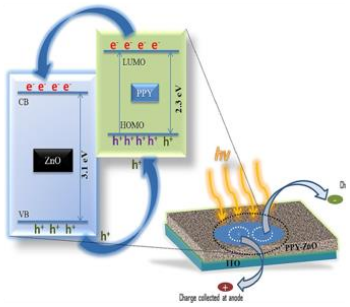
SERB School on Smart Energy Materials & Devices

April 29th – May 3rd 2019









Background:

Gauging the future prospect and recognizing the importance of energy sources in the light of depleting fossil fuels with severe adverse effects on environment, IIT-ISM offers regular courses on energy sources to UG, PG and researchers. In addition, IIT-ISM caters fundamental and applied educational training on energy resources and disaster technology emphasizing on *Smart Energy* source. IIT-ISM Dhanbad annually conducts many such relevant programs. On the other hand, a large number of *in-house* research and development projects on energy materials with potential applications in high performance solar cells, development of solar appliances such as solar heaters and collectors are also going on in the institute. The faculty members are actively and potentially engaged in imparting training program on sustainable energy materials and technology.

Aims and Objectives:

To develop cute and keen interest in the fundamentals of smart energy materials, technologies and devices aimed towards the importance for the alternate solution of the green, clean and cheap energy resource development.

Specialised Topics:

■Salient Features of Smart Energy Materials (SEMs)■Large Scale Energy Storage Devices (LSESDs)■Battery & Fuel Cells, ■Capacitors& Supercapacitors ■ Binder Free Supercapacitor Devices (BFSDs)■ Electrochemical/Ultra-Capacitors (ECUCs) ■ Metal Layered Double Hydroxides (MLDHs)■ Efficient Energy Storage Devices (ESDs)■ Binary/Ternary MLDH Electrode Materials ■Smart Energy Portfolio & Sustainability■ OLED/OPVC ■ Organic Laser Diodes ■Flexible Hybrid Films & Fibres

Participation and Funding:

Applications are invited from Research Scholars, Post Doc Fellows, Young Scientists, Faculty Members and Scientific/ Technical Officers from Universities, Colleges and R & D Institutions. Research oriented M.Sc. / M. Tech. / B. Tech. Students may also apply. The total number of training seats is limited. All the selected participants will be provided to-and-fro sleeper (*II*) class Train or Bus fare (subject to producing original ticket) with free boarding and lodging. Bright and young participants from industry and private organization may also apply with regular school attendees. Their lodging and travel arrangements are to be made by themselves at their own cost. *Breakfast, lunch and tea will be provided during course hour. However dinner has to be managed by the participants themselves.* Interested candidates may send their applications duly forwarded by Head of Institutions/ Research Supervisor to Co-ordinator, SERB School-SEMAD by registered/ speed post on or before **April 24, 2019**. The selected candidates will be intimated by **April 26, 2019**as per following details:

Registration-Confirmation Fees:

Participants from Industry/ Private Organization/ Self Financed:	Rs. 5000/-
Participants from R&D/ Academic Institutes/ Universities:	Rs. 2000/-
Researcher Participants (JRF/SRF/RA/Post Doc Fellow):	Rs. 1500/-
Student Participants (Diploma/ B.Sc./M.Sc./B.Tech./M.Tech.):	Rs. 1000/-

Participation Confirmation Fees can be sent through Demand Draft in Favour of Registrar IIT (ISM), Dhanbad payable at SBI (IIT-ISM) Dhanbad addressed to Dr. R.B. Choudhary, Coordinator SEMAD-2019, Department of Applied Physics, IIT (ISM), Dhanbad Phone No. 0326-223-5881, +91-941191381; Email: <rbcism@gmail.com> Registration fee can partly be waved off in special case.

Important Dates (Deadline):

Last date for Receiving Completed Application Form:	*April 24, 2019*
Last date for the Confirmation to Selected Participants:	*April 26, 2019*

SERB-School: Brain Storming Session

Smart Energy Materials & Devices

April 29-May 3, 2019

APPLICATION FORM

Name of Participant:……..

Date of Birth: ……..

Sex (Male/Female): ……..

Designation: .....

Department/Division: .....

Organizations/ Institute: .....

E-mail Address: ……

Correspondence Address: .....

.....

Mobile/ Contact Nos.: ……..

Demand Draft in Favour of: ……..Registrar, IIT (ISM) Dhanbad……..

Name of Issuing Bank……

Amount (Rs.)……DD No. ……..Date ……..

Accommodation Required: .....YES.....NO.....

Highest Qualification: .....

Head of the Institution: ……

Signature of the Applicant: .....

Date: ……

Place: ……