



## Workshop on Pedagogy Training for Teaching and Research Excellence

Under the aegis of SERB-INAE Collaborative  
Initiative in Engineering (Outreach Programs  
for NE, J&K and Ladakh)

Organized by,  
Department of Computer Science &  
Engineering, IIT Guwahati

15<sup>th</sup> - 16<sup>th</sup> March, 2024



### SERB

The Science and Engineering Research Board (SERB) is a statutory body established through an Act of Parliament. Supporting basic research in emerging areas of Science & Engineering are the primary and distinctive mandate of the Board. SERB aims to build up best management systems which would match the best global practices in the area of promotion and funding of basic research. SERB provides financial assistance to persons engaged in such research, academic institutions, research and development laboratories, industrial concerns and other agencies.

### INAE

The Indian National Academy of Engineering (INAE) is an autonomous professional body partly supported by grant-in-aid from the DST, GoI. INAE comprises India's most distinguished engineers, engineer-scientists, and technologists across all engineering disciplines. It promotes the practice of engineering and technology and the related sciences for their application for solving problems of national importance.

### IIT GUWAHATI

Indian Institute of Technology Guwahati (IITG), the sixth member of the IIT fraternity was established in 1994. IITG owns world-class infrastructure and state-of-the-art scientific engineering instruments for modern research. The lush green IITG campus is on a sprawling 285 hectares on the north bank of river Brahmaputra.

The department of CSE offers B.Tech., M.Tech, PhD. degree programs. It provides an outstanding research ecosystem and is well known for its excellence in teaching. The department has around 30 faculty members and over 100 research scholars actively involved in various cutting-edge research domains in computer science engineering.

### ABOUT THE WORKSHOP

The most important resource that any higher education institution is its faculty. Conventional forms of teaching and assessment techniques will not be sufficient to cope-up with ever-changing modern education. Faculty should be equipped with new challenges associated with modern teaching and learning. Faculty training and pedagogy sessions provide a platform for improving teaching and learning outcomes. Technology-based teaching and discussion forums are essential tools that can improve student-teacher interaction. This workshop brings faculty teaching in various technical institutes in North-East India under one umbrella and share the best practices in teaching and learning in various engineering disciplines. This workshop consists of lecture sessions, case studies, panel discussions and group activities.

### WORKSHOP CONTENT

- Effective classroom management techniques and innovative assessment techniques.
- Need for coexistence of teaching as well as research for achieving academic excellence.
- Social skills necessary for collaboration, professional growth, personnel management.
- Tips for research paper writing, paper reviewing, project proposal writing.
- Use of ICT systems and technologies for effective teaching.
- Tips for introducing problem-based learning and outcome-based learning.
- Psychological aspects of teaching.

## RESOURCE PERSONS

Team of resource persons include experienced faculty from IITs, NITs and leading universities of the country with demonstrated excellence in the field of teaching and research pedagogy.

## TRAVEL SUPPORT, BOARDING & LODGING

Participants who attend the workshop in full (both the days, all sessions) are eligible for reimbursement of roundtrip 3-AC train/AC bus tickets from their place of work to Guwahati or INR 5000 whichever is lower. Reimbursement of travel expenses will be done within 1 month from the date of completion of the workshop. Local taxi conveyance expenses are not eligible for reimbursements. Participants are also eligible for free twin-sharing accommodation at the IITG guest house from 14.03.2024 to 17.03.2024. Breakfast, lunch and dinner will be served to the participants during the workshop dates (15.03.2024 and 16.03.2024).

## HOW TO APPLY?

For more details and registration, refer URL, <https://www.iitg.ac.in/johnjose/inae.html>

Last date of application : **07.02.2024**.

Notification of 1st round shortlist: **09.02.2024**

Last date for confirmation (1st round): **17.02.2024**

Notification of 2nd round shortlist: **20.02.2024**

Last date for confirmation (2nd round): **28.02.2024**

Notification of final round shortlist

(subjected to seat availability): **05.03.2024**

## ELIGIBILITY, SELECTION & CONFIRMATION OF SEAT

The workshop is open to faculty members of AICTE/UGC approved universities / engineering / polytechnic colleges from North-East India preferably from CSE/IT/ECE/EEE and allied branches. However, faculty from other branches are also welcome. There will be a total of 30 seats for the workshop which will be filled based on first-come first-serve basis. The prime target will be participants from institutes in North-East India. Special preference will be given to women faculty members and members from backward classes and tribes. Faculty from other parts of India will be considered only if there are seats available after filling prime target members.

There is **NO REGISTRATION FEE**. However, all interested candidates have to apply in the online application form. The scanned copy of the endorsement form duly signed by the head of the institute has also to be submitted in the online application form. If a participant is shortlisted based on the selection criteria, they have to confirm their availability for the workshop. More details on process of confirmation will be given in the email to the shortlisted candidates.

## WORKSHOP VENUE AND TIME

Venue: **Conference Center, IIT Guwahati**

Dates : **15.03.2024 & 16.03.2024**

Timings: **9:00 AM to 12:30 PM (Forenoon)**

**2:00 PM to 5:30 PM (Afternoon)**



Scan here for more details.

## WORKSHOP COORDINATORS

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## ACCOMODATION / REGISTRATION SUPPORT

### **Mr. Syam Sankar**

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