

**Five Days Online
Faculty Development Programme
on
Interdisciplinary Perspectives on
Multi-Hazard Risk Assessment and
Mitigation**

Sponsored by NMHS

March 05 - 09, 2026



Coordinators

Dr. Olympa Baro

Dr. Kavicharan Mummaneni

Organized by

**Department of Civil Engineering
&**

**Department of
Electronics & Communication Engineering**



National Institute of Technology Silchar

राष्ट्रीय प्रौद्योगिकी संस्थान सिलचर

Assam – 788010, India

Website: www.nits.ac.in

About the Faculty Development Programme

Interdisciplinary Perspectives on Multi-Hazard Risk Assessment and Mitigation aims to provide an platform for understanding and addressing challenges related to multi-hazard risk assessment and mitigation. It integrates civil engineering applications with sensing, monitoring and instrumentation technologies from electronics and communication engineering to address hazards affecting infrastructure and the built environment. The programme will cover fundamental concepts, emerging monitoring techniques and data-driven approaches. Designed for faculty members and research scholars, the FDP emphasizes knowledge sharing, practical insights and strengthening collaboration between academia and industry.

Objective of the FDP

- To develop interdisciplinary understanding of multi-hazard risk assessment and mitigation.
- To integrate civil engineering applications with sensing, monitoring, and instrumentation technologies.
- To introduce modern methods for hazard monitoring and early warning.
- To strengthen academia–industry interaction and collaborative research.

Themes

- Multi-hazard risk assessment
- Seismic Hazard analysis
- Geotechnical aspects of hazard-prone systems
- Sensing, monitoring, and instrumentation technologies
- Early warning systems
- Slope Stability
- Landslide hazard mapping

Highlights of the FDP

Technical sessions and discussions will be conducted by the eminent faculties from various premier academic organizations

Eligibility

This FDP is open to faculty members, research scholars of technical institutions, engineering colleges, polytechnics, universities and to industrial personnel.

Important Dates

Last date for online registration: **03.03.2026**

Confirmation to participants: **04.03.2026**

Registration

Registration Fee: Nil

Registration link:

<https://forms.gle/XGr.I8kNvwRrc.Ji2N6>

Total 200 seats and the selection will be done on first-cum-first-serve basis.

Certification

E-certificates will be provided to active participants.

Resource Persons (Tentative)

- Prof. Varun Dutt, School of Computing and Electrical Engineering, IIT Mandi
- Prof. Maneesha Vinodini Ramesh, Dean, School for Sustainable Futures, Amrita Vishwa Vidhyapeetham
- Dr. Subashisa Dutta, Professor, Dept. of Civil Engineering, IIT Guwahati
- Dr. Abhishek Kumar, Associate Professor, Dept. of Civil Eng., IIT Guwahati
- Dr. Diganta Goswami, Associate Professor, Dept. of Civil Eng., Assam Engineering College
- Dr. Monowar Hussain, Associate Professor, Dept. of Civil Eng., NIT Silchar
- Dr. Shubhankar Majumdar, Assistant Professor, Dept. of ECE, NIT Meghalaya
- Dr Dhanesh Sing Das, Assistant Professor, Dept. of Civil Eng., NIT Nagaland
- Dr. Olympa Baro, Assistant Professor, Dept. of Civil Eng., NIT Silchar
- Dr. Kavicharan Mummaneni, Assistant Professor, Dept. of ECE, NIT Silchar

About NIT Silchar

National Institute of Technology Silchar was established in 1967 as a Regional Engineering College in Assam, India. In 2002 it was upgraded to the status of National Institute of Technology and was declared as Institute of National Importance under NIT Act, 2007. NIT Silchar is a fully residential institution and it has six engineering degree offering branches and five non-engineering branches. NIT Silchar offers B.Tech., M.Tech. and PhD degrees.

About Department of Civil Engineering

The Department of Civil Engineering started its journey in 1977. Ever since the inception, it has been imparting quality education to undergraduate students. The department presently fosters five PG courses.

About Department of Electronics & Communication Engineering

The Department of Electronics & Communication Engineering offers a four-year B.Tech. program and two-year M. Tech. programs. The faculties of the department have a wide variety of expertise with a strong academic background.

Organizing Committee

Chief-Patron

Prof. Dilip Kumar Baidya
Director, NIT Silchar

Patrons

Prof. Mokaddes Ali Ahmed
HOD, CE Department, NIT Silchar

Dr. Koushik Guha
HOD, ECE Department, NIT Silchar

Advisors

Prof. Ashim Kanti Dey, CE Dept., NIT Silchar
Prof. F. A. Talukdar, Professor, ECE, NIT Silchar
Prof. S. Baishya, Professor, ECE, NIT Silchar

Members

Dr. N. Borthakur, Dr. P. Sultana, Dr. D. Bhowmik, Dr. Amit Kumar Das, Dr. Rajarshi Pramanik, Prof. K. L. Baishnab, Prof. B Bhowmick, Dr. W Arif, Dr. T R Lenka, Dr. S K Tripathi, Dr. G. Prasad, Dr. A Nandi, Dr. B Basu, Dr. T Khan, Dr. U. Chakrabarty, Dr. Rajesh Saha.

Coordinators and Contact Details

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Program Schedule (Tentative)



Date		Session 1 2:00 – 3:30pm	Session 2 3:35 – 5:00pm	
05-03-2026	Inauguration (1:30-02:00pm)	Prof. Varun Dutt, Professor, School of Computing and Electrical Engineering, IIT Mandi	Dr. Abhishek Kumar Associate Professor, Deptt. Of Civil Engg. IIT Guwahati	
06-03-2026		Dr. Dhanesh Sing Das, Assistant Professor, Deptt. Of Civil Engg. NIT Nagaland	Dr. Diganta Goswami, Associate Professor, Dept. of Civil Eng. Assam Engineering College	
07-03-2026		Dr. Shubhankar Majumdar, Assistant Professor, Dept. of ECE, NIT Meghalaya	Dr. Kavicharan Mummaneni, Assistant Professor, Dept. of ECE, NIT Silchar	
08-03-2026		Prof. Maneesha Vinodini Ramesh, Dean, School for Sustainable Futures, Amrita Vishwa Vidhyapeetham	Dr. Olympa Baro Assistant Professor, Dept. of Civil Engg. NIT Silchar	
09-03-2026		Dr. Monowar Hussain, Associate Professor, Dept. of Civil Eng. NIT Silchar	Dr. Subashisa Dutta, Professor, Dept. of Civil Engineering, IIT Guwahati	Valedictory (5:00-5:30pm)