

CONVOCATION REPORT

2024-25



DEPARTMENT OF
**EARTHQUAKE
ENGINEERING,**
IIT ROORKEE



भूकंप अभियांत्रिकी विभाग
भारतीय प्रौद्योगिकी संस्थान रुड़की, रुड़की

Department of Earthquake Engineering
Indian Institute of Technology Roorkee
Uttarakhand-247667

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- **Name of the Department:** EARTHQUAKE ENGINEERING

Total no. of faculty/ Adjunct/ Visiting –teaching faculty	17 (Dr. Shiv Prakash has joined as Assistant Professor in April 2025)
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- **PARTICIPATION OF FACULTY IN CONFERENCES /SEMINAR
/SYMPOSIA /WORKSHOP / GUEST LECTURES (NATIONAL &
INTERNATIONAL).**

Dr. B.K.Maheshwari	<ol style="list-style-type: none">1. Attended the meeting as a member of National Executive Committee of Indian Geotechnical Society held at Vadodara, July 4, 20252. Attended the meeting of “National Committee on Seismic Design Parameters (NCSDP)”, in CWC, New Delhi on July 24, 2025
Dr. Pankaj Agarwal	<ol style="list-style-type: none">1. Project Review Meeting of the Programme Advisory Committee (PAC) of Technology Development Programme (TDP) on May, 29-30 2025 at Hyderabad
Dr. Varun Singla	<ol style="list-style-type: none">1. Attended and delivered technical talk at the 7th International Working Group on Rotational Seismology (7IWGoRS) Meeting, held in Opole University, Poland, during June 23, 2025 – June 26, 2025.2. Delivered expert lecture in Short Term Training Programme on “Structural Safety Audit of Built Environment, and Earthquake & Landslide Risk Mitigation” held at NITTTR Chandigarh, during April 21, 2025 –April 25, 2025.
Dr. Daya Shanker	<ol style="list-style-type: none">1. 2025 Scientific Assembly of International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI)” Geneva, Switzerland from June 29 to July 04, 2025.2. 9th International Workshop on Earthquake Preparation Process, Observation, Validation, Modeling, Forecasting, May 27 – 28, 2025 Chiba University, Chiba, Japan (Online).3. XXI Blischenko Congress "International Law – A Means of Ensuring Peace and Trust", April 12, 2025, Moscow, Russia (Online).

Dr. Saurabh R. Shiradhonkar	<ol style="list-style-type: none"> 1. Visit to University to Stuttgart and University of Applied Sciences Northwestern Switzerland from June 16, 2025 to July 3, 2025 for research collaboration. 2. Delivered a guest lecture on ‘Seismically resilient Precast beam-column joints’ at University to Stuttgart June 30, 2025
Dr. M.L. Sharma	<ol style="list-style-type: none"> 1. International visit to attend 41st IAHR WORLD CONGRESS in Singapore from 22 June 2025 to 27 June 2025.

• **Faculty awards & recognition: -**

Dr. P.C. Ashwin Kumar	Prof. P.C. Ashwin Kumar won CII National Award on Corrosion Management Practices under the category of "Best Case Study on Addressing Corrosion through Better Material Selection / Alternate Material 2025".
Dr. M.L. Sharma	Won National Geoscience Award, 2024, presented by Ministry of Mines, Government of India

• **Webinars/ Symposiums/ Workshops/Conferences/Colloquium: -**

NAME OF THE WEBINAR/ SYMPOSIUM / CONFERENCE /COLLOQUIUM	SPEAKERS	DATES
Seminar on “ Learnings from 2015 Nepal Earthquake ”	Shri Krishna S. Vatsa, Member NDMA	April 25 th , 2025
Offered video Recorded NPTEL Certification Course	Dr. B.K.Maheshwari	Autumn semester 2025

• **Publication: -** Please find additional list of publications From April 2025:

	Book Published	Book Chapters	Paper in conferences	Paper in Journal	IP (Patent/Copyright, Design/International Patent/ PCT) filed	IP (Patent/Copyright, Design/International Patent/ PCT) granted/Registered
Total	Nil	Nil	03	04	Nil	Nil

Please attach list of Publication (Annexures-I) and list of Conference Proceedings (Annexures-II)

ANNEXURE-I
LIST OF PUBLICATIONS

DR. B.K. MAHESHWARI

1. Padmanabhan, G., Ueda, K., **Maheshwari, B.K.** and Uzuoka, R., (2025c). Influence of Sloping Ground and Pile Group on Sand Reliquefaction Behavior using Centrifuge Modelling. **Canadian Geotechnical Journal**, Vol. 00, pp. 1-21, <https://doi.org/10.1139/cgj-2024-0386>
2. Das S., Saraswat S., **Maheshwari B.K.** and Jakka R.S. (2025), “Geotechnical Investigations for Land Subsidence in Joshimath, Uttarakhand”, **Indian Geotechnical Journal**, <https://doi.org/10.1007/s40098-024-01153-8>.

DR. PANKAJ AGRAWAL

1. Mohan Bajaj, **Pankaj Agarwal**. “Configuration Selection of Metallic Combined Damper Based on Retrofitting Criteria of RC Frame Buildings”; Publication date: 2025/6/29; Journal: Journal of Earthquake Engineering; Pages: 1-23; Publisher: Taylor & Francis.
2. Mohan Bajaj, **Pankaj Agarwal**; “Configuration and Scale Effect on Cyclic Performance of Integrated Plate Dampers; Publication date: 2025/1/1; Journal: Journal of Constructional Steel Research; Volume: 224; Pages: 109111; Publisher: Elsevier.

ANNEXURE-II
CONFERENCE PROCEEDINGS

DR. DAYA SHANKER

1. **Daya Shanker** (2025). Deccan Trap Volcanism: A Local Driver of Medium-Scale Seismic Activity in Peninsular India, 2025 Scientific Assembly of International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI)” Geneva, Switzerland from June 29 to July 04, 2025, Poster:140 (2.1.50).

DR. M.L. SHARMA

1. Tyagi, A., **M. L. Sharma**, Chetan Gaur, Ravindra K Gupta (2025). Landslide Susceptibility Mapping and Risk Assessment: Zoning and Building Exposure Analysis for Champawat District, India, EGU General Assembly 2025, EGU25-15243, <https://doi.org/10.5194/egusphere-egu25-15243>
2. Gupta, Noopur, **M. L. Sharma**, Mohammad Ashraf Iqbal, Adarsh Tripathi (2025). Dynamic Strength of rock under High strain rates, EGU General Assembly 2025, EGU25-1033, <https://doi.org/10.5194/egusphere-egu25-1033>