

Disaster Risk Assessment, Mitigation & Management

Short-term Course – Online Mode



OVERVIEW

This short-term online course by CEP, IIT Kharagpur offers a focused introduction to disaster mitigation and management, covering key concepts in **disaster risk reduction** alongside **hazard-specific modules on earthquakes, floods, cyclones, and landslides**. Spread across two weekends (30 hours), the programme combines expert lectures with hands-on workshops on **TOPSIS, EARTHQUAKE LOAD** and **FUZZY TECHNIQUE** which are equipping participants with practical tools for disaster risk assessment.

CORE TEAM



Dr. Shankha Pratim Bhattacharya
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Sulagna De
PhD Research Scholar,
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E-certificate shall be provided after successful completion of Course.



PDF copies of lecture slides will be provided to the registered participants

COURSE OUTLINE



Day 1 | Friday, 23 October 2026 |

- Inception Session
- Lecture 1: Introduction to Disaster Management
- Lecture 2: Disaster Risk Reduction



Day 2 | Saturday, 24 October 2026 |

- Lecture 3: Disaster Risk Index / TOPSIS
- Lecture 4: Man-made Disasters
- Workshop 1: TOPSIS



Day 3 | Sunday, 25 October 2026 |

- Lecture 5: Earthquake: General Introduction
- Lecture 6: Earthquake Load
- Workshop 2: Earthquake Load



Day 4 | Friday, 30 October 2026 |

- Lecture 7: Earthquake: Rapid Visual Screening
- Lecture 8: Fuzzy Techniques



Day 5 | Saturday, 31 October 2026 |

- Lecture 9: Flood / Cyclone
- Lecture 10: Flood / Cyclone
- Workshop 3: Fuzzy Techniques



Day 6 | Sunday, 1 November 2026 |

- Lecture 11: Hill / Landslide
- Lecture 12: Multi-hazard
- Test and Valedictory Session



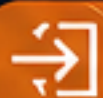
WHO WILL BENEFIT?

- ✓ Undergraduate (Third year and Above), Post-Graduate Students and Research Scholars from Architecture and Planning, Civil Engineering, Environmental Planning
- ✓ Faculty- Architecture, Civil engineering, Urban Planning, Environmental Planning. Institutions, Organizations, Practicing Architects, Urban Planners, Civil Engineers.

HOW TO REGISTER? <https://erp.iitkgp.ac.in/CEP/courses.htm>



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Date of the Programme:
Weekend 1: 23rd to 25th
October, 2026
Weekend 2: 30th to 1st
November, 2026



Total Duration:
30 Hrs



Program Fee (Including GST):
Students- 1000/-
Faculty/Industry- 3000/-



Last Date of Registration:
20th October, 2026



Principal Coordinators:

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