



## ABOUT THE INSTITUTE

National Institute of Technology (NIT), Rourkela, was founded as Regional Engineering College, Rourkela, in 1961. It is a prestigious Institute with a reputation for excellence at both undergraduate and postgraduate levels, fostering the spirit of national integration among the students, close interaction with industry and a strong emphasis on basic and applied research. It has been consistently ranked within the TOP 20 engineering institutes for five consecutive years as per MHRD's NIRF Ranking, Govt. of India  
Website: [www.nitrkl.ac.in](http://www.nitrkl.ac.in)



## About the Department

The Department of Civil Engineering Started its journey in 1961. Ever since the inception, it has been imparting quality education to undergraduate Students. The department presently Fosters six PG courses. The faculty consists of eminent specialists from diverse fields, and there is a commendable research ambience in the department.

### Patron

**Prof. K. Umamaheshwar Rao,**  
Director, NIT Rourkela

### Chairperson

**Prof. Suresh Prasad Singh**  
Head, Civil Engineering Department,  
NIT Rourkela

### Convenor

**Dr. Soukat Kumar Das**

### Student Members

**U. Hanumanthu, Chiranjeev Tandon, Debabrata Mohanty and Jyoti Ranjan Mohanty**  
Website: <https://sites.google.com/view/page2026nitrkl/home>



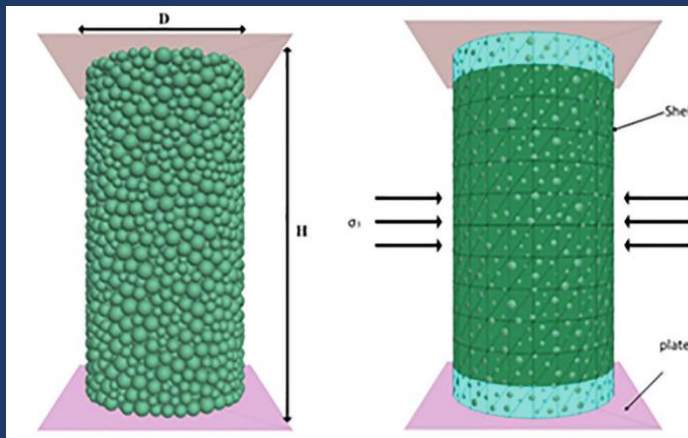
**A 5-Days Short Term Course (STC) on**

# Practical Applications of Geomechanics (PAGE-2026)

**(14<sup>th</sup> April- 18<sup>th</sup> April 2026)**

***(Training on Theoretical-Numerical-Analytical & AI-ML Applications in Geomechanics)***  
**(Hybrid Mode)**

**Department of Civil Engineering  
National Institute of Technology  
Rourkela**



## ABOUT PAGE-2026

The 5-Day Short-Term Course on Practical Applications of Geomechanics (PAGE-2026) is designed to provide comprehensive training in the application of geomechanics to real-world engineering problems through an *integrated framework of experimental, numerical, and AI-ML-based methodologies*. The programme combines hands-on training with theoretical keynote lectures to elucidate complex concepts and bridge the gap between theory and practice. Participants will receive exposure to advanced numerical techniques such as the Finite Element Method (FEM) and Discrete Element Method (DEM), along with training on state-of-the-art geotechnical laboratory and field-scale experimental techniques. The course will also introduce modern computational tools, including Artificial Intelligence and Machine Learning, for data-driven modelling, prediction, and decision-making in geomechanics. Problems will be systematically covered to equip participants with both conceptual understanding and practical implementation skills.

## OBJECTIVES

The 5-Day STC on Practical Applications of Geomechanics (PAGE-2026) aims to expose participants to state-of-the-art methods and real-world applications in geomechanics through expert-led lectures and hands-on training. Interactive sessions and Q&A segments will enable direct engagement with leading academics and industry professionals.

## BROAD THEMES OF THE STC

- **Experimental Geomechanics & Advanced Geotechnical Testing and Instrumentation**
- **Numerical Modelling in Geomechanics (FEM, DEM & Coupled Methods)**
- **AI-ML and Data-Driven Approaches for Geotechnical Applications**
- **Constitutive Modelling & Multiphysics Behaviour of Geomaterials**
- **Geomechanics for Infrastructure, Slope Stability, Rock Mechanics & Disaster Mitigation**

## IMPORTANT DATES

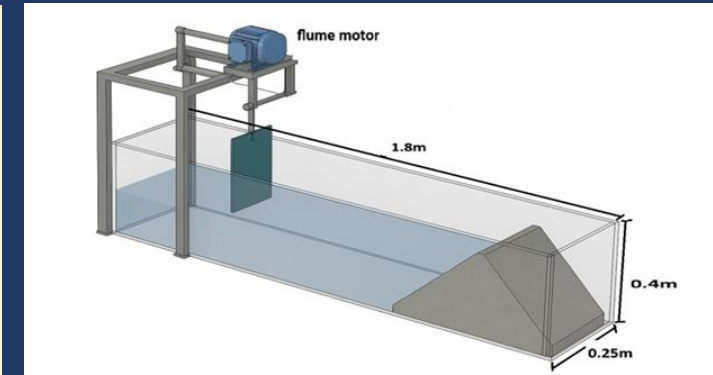
<b>Last date for registration</b>	<b>10<sup>th</sup> April 2026</b>
<b>Confirmation mail</b>	<b>11<sup>th</sup> April 2026</b>

### Convenor

**Dr. Soukat Kumar Das**  
Assistant Professor

[dassoukat@nitrkl.ac.in](mailto:dassoukat@nitrkl.ac.in), 78811-04501

Department of Civil Engineering  
NIT Rourkela



## REGISTRATION

The participant can register in the google form

<https://forms.gle/veXGhuZVBCisE2Wm8>

## Registration Fee

<b>Research Scholars/ PG / UG Student/ Technical Staff</b>	<b>1500/-</b>
<b>Faculty from Academia</b>	<b>3000/-</b>
<b>Industry Participants</b>	<b>4500/-</b>
<b>Offline Participants</b>	<b>8000/-</b>

*Certificates will be issued to participants after the completion of the course.*

*Awards will be given to the best participants based on performance*

## ACCOMMODATION

Guest House (North Block) as per institute norm and availability on payment basis.

*Registration fee can be paid online via NEFT/RTGS/IMPS:*

**Name: CONTINUING EDUCATION NIT ROURKELA**

**A/C No.: 101 389 517 84**

**Bank: State Bank of India**

**Branch: NIT Campus Rourkela**

**IFSC Code: SBIN0002109**

**Registration: <https://forms.gle/veXGhuZVBCisE2Wm8>**