

5-day Short Term Course

On

Current Research Trends in Civil Engineering at NIT- Rourkela (online mode)

(CRTCE-NITRKL:2023)

1st June 2023 – 5th June 2023



Organized by
Department of Civil Engineering,
National Institute of Technology-
Rourkela.

Coordinator-and-Faculty Instructor:

Dr. Mahendra Gattu,
Assistant Professor, Civil Engineering,
9894275445, gattum@nitrkl.ac.in

ॐ असतो मा सद्गमय।

तमसो मा ज्योतिर्गमय।

मृत्योर्मा मृतं गमय ॥

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Course Description:

The participants will learn new research ideas and innovative products developed by the civil engineering faculty at NIT-Rourkela.

Topics:

Module	Topics
1.	Fracture behavior in composites, metals, and epoxy resins.
2.	Development of Real-Time Monitoring System for Early Age Cementitious Materials
3.	A Long-Range Wide-Area Network System for Monitoring Early-Age Concrete Compressive Strength
4.	Particle swarm optimization–based characterization technique of non-proportional viscous damping parameter of a cantilever beam
5.	An adaptive neuro fuzzy inference system model for studying free in plane and out of plane vibration behavior of curved beams
6.	“Digital Project Management” by Manukonda Sai Krishna, Bentley Systems, Chennai.
7.	Fatigue behaviour of plain and reinforced concrete
8.	Fly ash utilization in concrete tiles and paver blocks
9.	Influence of strain rate on the mechanical properties of autoclaved aerated concrete
10.	Numerical failure assessment of multi-bolt FRP composite joints with varying sizes and preloads of bolts

Timings:

1st June 2023 – 5th June 2023: 4 pm – 530 pm

Program Fees:

Working Professionals: Rs. 1000/- (includes 18% GST)

Students and Research Scholars : Rs. 500/- (includes 18% GST)

Payment Details:

A/C Name: CONTINUING EDUCATION NIT ROURKELA

A/C No.: 10138951784

IFS Code: SBIN0002109

Bank Name: State Bank of India

Branch Name: NIT Campus, Rourkela

Registration: Google Form Link: <https://forms.gle/C8gEYcgANR5SL9iQ7>

Last Date of Registration: **28-05-2023**

Terms and Conditions:

1. Fees once paid cannot not be refunded.
2. The participants should have good internet through mobile/Desktop for participating in this online course.
3. Participation certificate will be provided for participants with 80% attendance and above.