

Course Content



Ceramics & Tile modelling

Amalgamation of Art, Artistry and Architecture.



Pottery & Architecture

Understanding pottery and hand-building techniques as a medium for exploring architectural form and spatial ideas.



Modelling with Paper based material

Rapid experimentation with geometry, folds, surfaces, volumes and conceptual architectural forms.



Architectural Modelling with Paper Board based material

Development of scaled physical models with emphasis on massing, proportion, composition, detailing and presentation.

Key focus areas

LEARN • MAKE • EXPERIMENT • CREATE



Organizing Committee

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Five-Days Hands-on Workshop

on

Modelling & Crafting in Architecture:

**Special emphasis on Ceramic,
Pottery, Paper and Paper board**

during

**07th September – 11th September
2026**

Organized by

Department of Planning & Architecture
in collaboration with
Department of Ceramic Engineering,
National Institute of Technology,
Rourkela, Odisha-769008



About NIT Rourkela

The erstwhile Regional Engineering College (REC) Rourkela converted into National Institute of Technology, Rourkela in 2002, becoming a beacon of technical education in India. It was declared as "An Institution of National Importance" through the parliament act on 15th August 2007. NIT Rourkela offers education in 21 branches of Engineering, spanning undergraduate, postgraduate, and PhD programs with a focus on undergraduate and postgraduate excellence, industry collaboration, and robust research endeavors. Renowned for its excellence, NIT Rourkela ranked 601-800 globally in the Times Higher Education World University Rankings 2024 and secured the 67th position in Southern Asia. Nationally, it stood 16th among engineering colleges as per NIRF 2023. Committed to industry needs, it fosters a multicultural environment, nurturing talent and promoting technology transfer. With a mission to become an internationally acclaimed center of learning, NIT Rourkela aims to serve society as a knowledge hub and preferred destination for students and researchers alike.

About Planning & Architecture Department

The **Department of Planning & Architecture, NIT Rourkela** fosters an interdisciplinary approach to the study and practice of the built environment, integrating **design, planning, technology, material and craft**. The Department emphasizes studio-based and experiential learning, encouraging students to understand architecture through experimentation and making. In this spirit, the present workshop provides a platform to explore **ceramics, pottery, paper and paper-board as creative and architectural media**, bridging material knowledge with form, spatial expression and physical model making. The initiative also promotes interaction between **architecture and ceramic engineering**, strengthening hands-on learning and interdisciplinary collaboration.

About the Workshop

The **Five-Days Hands-on Workshop on Modelling & Crafting in Architecture** is conceived as an interdisciplinary learning initiative that brings together **architectural design, ceramic engineering and craft-based material exploration**. With special emphasis on **ceramics, pottery, paper and paper-board**, the workshop introduces students to the relationship between material, form, craftsmanship and architectural expression.

The workshop will provide participants with opportunities to **experiment, make, modify and refine physical forms** through hands-on exercises. Ceramic and tile modelling will introduce students to clay-based form making, surface treatment, texture and relief, while pottery will help them understand three-dimensional form and the transition from craft objects to architectural elements. Paper and paper-board modelling will complement these skills by enabling rapid exploration of **geometry, spatial forms, massing, scale and architectural composition**.

For **B.Arch. students at NIT Rourkela**, particularly students in the 2nd and 3rd years, the workshop will supplement their regular design-studio education by developing **material sensitivity, craftsmanship, spatial understanding and physical model-making skills**. It will encourage students to use models not merely as presentation tools, but as instruments for **design thinking, experimentation and problem-solving**.

At the institutional level, the workshop creates a valuable platform for **interdisciplinary collaboration between the Departments of Planning & Architecture and Ceramic Engineering**, encouraging knowledge exchange and experiential learning. It also contributes towards developing a stronger culture of **creative making, material experimentation and collaborative design education at NIT Rourkela**.

Eligibility

The workshop is open for faculty members, UG students of B.Arch. particularly for 2nd and 3rd year students, technical staff members of educational institutions, research laboratories & Industry.

Important details



Course Fee (Including GST)

Faculties/ Research Scholars/ Students/ Technical Staff Members from academic institute: **Rs. 200/- (excluding NITR Students)**

Personnel from Industry and R&D units: **Rs. 500/-**



Online Payment Details

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Certificate

Certificate will be issued upon participation in all the sessions.

**Register by
6th September**



5-DAYS HANDS-ON WORKSHOP

MODELLING & CRAFTING IN ARCHITECTURE

CERAMIC - POTTERY - PAPER - PAPER BOARD

LEARN | MAKE | EXPERIMENT | CREATE