

D. Y. Patil College of Engineering and Technology, Kasaba Bawada, Kolhapur
School of Architecture

Activity Report

Case study - 1

Name of activity	Case Study – Site visit at • Neel India Engineering Company, Misal Group, Peth Vadgaon, Dist. Kolhapur. • Ingale Tiles, Shirol, Dist. Kolhapur.
Course	Building Construction and Materials - V
Year	T. Y. B. Arch.
Academic Year	2024-2025
Date	23/07/2024
Category	Curricular
Name of resource person/s	• Mr. Nihal Nitin Misal, Mr. Nikhil Nilesh Misal • Mr. Ajit Ingale
Designation of resource person/s	• CEO of Misal Group • Proprietor, Ingale Tiles
Faculty coordinator/s	Div. A - Prof. I. S. Jadhav, Prof. S. K. Satpute, Prof. S. A. Ghorpade, Div. B - Prof. S. A. Nimbalkar, Prof. P. M. Tonpe
No. of beneficiaries	Div. A – 41, Div. B – 36, Total 77
Class & Division	T. Y. B. Arch. Div. A & B
CO mapped	C306.1, C306.2, C306.4
PO mapped	PO1, PO4, PO7, PO9, PO3
PO gap identified as per previous year	PO3, PO10
PSO mapped	PSO 2

Brief description of the activity

A visit to manufacturing plant of Neel India Engineering Company, Misal Group was arranged to study Pre-Engineered Buildings (PEB). Detailed demonstration of fabrication of various PEB components using latest technology was shown to the students. Discussions were made regarding fixing details, various precautions to be taken, supervision of the PEB structures during execution, construction cost, benefits of PEB structures. Demonstration of sand blasting of steel plate girders using silica sand was also shown.

In the later part of the visit, industrial and commercial structures using PEB were shown. Industrial structure was a completed building of Neel India Engineering Company, Misal Group and commercial structure was a 5 storied tile showroom under construction at Shirol, Dist. Kolhapur.

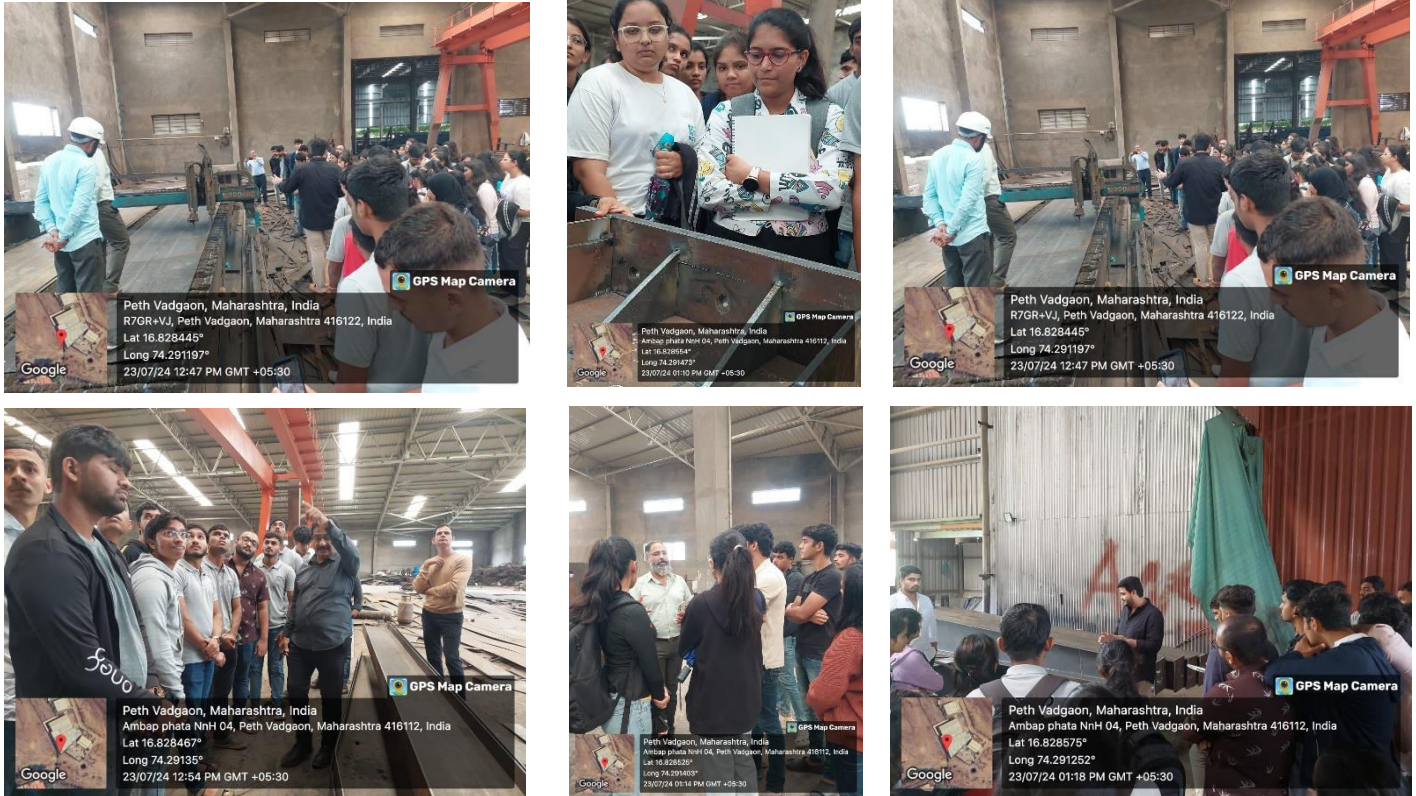
Outcome of the activity

Students learnt a contemporary method of construction, application of PEB in various types of buildings, supervision requirements, use of modern technology, cost effectiveness of PEB etc.

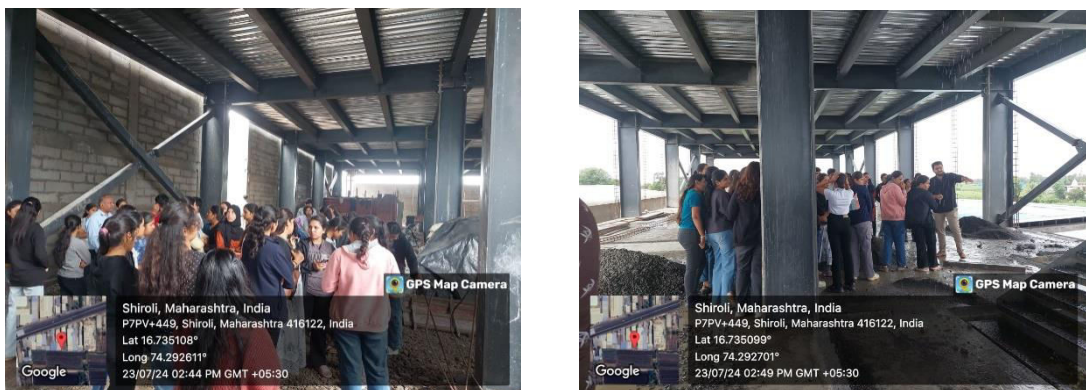
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Photographs



Fabrication unit of Neel India Engineering Company, Misal Group, Peth Vadgaon, Dist. Kolhapur.



5 storied Ingale Tile showroom under construction at Shirol, Dist. Kolhapur.

Signatures

1) _____ 2) _____ 3) _____