



A J INSTITUTE OF ENGINEERING AND TECHNOLOGY

NH-66, Kottara Chowki, Mangaluru - 575006, Karnataka, INDIA

A Unit of Laxmi Memorial Education Trust®

(Approved by AICTE, New Delhi. Affiliated to Visveswaraya Technological University, Belagavi)

Accredited by NBA (BE: CV,CSE,ECE,ISE& ME)

Department of Civil Engineering

Ref. No. AJIET/ CV/ IV/ 2023-24 /01

DATE: 11-01-2024

2024

CIRCULAR

Dear Students, we are excited to announce the Industrial Visit for 5th Sem Civil Students.

This program offers you the opportunity to gain practical experience, industrial exposure, and professional skills.

For more details, contact Mrs. Deeksha Anand, Industrial Visit Coordinator.

Details of the visit are as follows:

Date: 13/01/2024

Venue: Break Waters Construction at Kulai


11/01/2024

Event Coordinator





HOD

H.O.D.-Civil Engineering
A.J. Institute of Engineering & Technology
Mangaluru - 575 006, D.K., Karnataka


Principal

A.J. Institute of Engineering & Technology
Mangaluru - 575 006



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Date: 13-1-2024

Attendance for "INDUSTRIAL VISIT TO BREAKWATER CONSTRUCTION SITE AT KULAI, SURATHKAL"

| Sl No | Name | Designation | Department | Signature |
|-------|--------------------|-------------|----------------------|-----------|
| 1 | Dr Suman Kundapura | HOD | Civil Engineering | |
| 2 | Dr Amarnath Shetty | Professor | Civil Engineering | |

Coordinator

24/1/2024
HOD

H.O.D.-Civil Engineering

A.J. Institute of Engineering & Technology
Mangaluru - 575 006, D.K. Karnataka

24/01/2024
Dean Academics

Principal

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Date: 13-1-2024

**Attendance for "INDUSTRIAL VISIT TO BREAKWATER CONSTRUCTION SITE
AT KULAI, SURATHKAL"**

| Sl No | USN | Name | Department | Signature |
|-------|------------|----------------------------|-------------------|------------|
| 1 | 4JK21CV002 | AHNA A | Civil Engineering | Ahna |
| 2 | 4JK21CV004 | APARNA VINOD | Civil Engineering | Aparna |
| 3 | 4JK21CV005 | BHAVANI | Civil Engineering | Bhavani |
| 4 | 4JK21CV006 | CHAITRA V | Civil Engineering | Chaitra |
| 5 | 4JK21CV008 | DEEPA GOWDAPPA KARIGARA | Civil Engineering | Deepa |
| 6 | 4JK21CV011 | HARSHITHA SUBRAY NAIK | Civil Engineering | Harshitha |
| 7 | 4JK21CV012 | HARSHITHA | Civil Engineering | Harshitha |
| 8 | 4JK21CV013 | HASSAN MOSHEEN | Civil Engineering | Hassan |
| 9 | 4JK21CV016 | K S SUJITH | Civil Engineering | Sujith |
| 10 | 4JK21CV017 | KARTHIK H | Civil Engineering | Karthik |
| 11 | 4JK21CV018 | KARTHIK RAJESH | Civil Engineering | Karthik |
| 12 | 4JK21CV021 | MOHAMMED NUBUL | Civil Engineering | Mohammed |
| 13 | 4JK21CV022 | MALLIKA G | Civil Engineering | Mallika |
| 14 | 4JK21CV024 | MOHAMMED FEBIN | Civil Engineering | Febin |
| 15 | 4JK21CV026 | NOCA MUMBA SALOMAN | Civil Engineering | Noca |
| 16 | 4JK21CV035 | SUDEEPA S R | Civil Engineering | Sudeepa |
| 17 | 4JK22CV400 | IMPANA T K | Civil Engineering | Impana |
| 18 | 4JK22CV402 | NANDAKUMAR P S | Civil Engineering | Nandakumar |


Coordinator


24/1/2024

HOD


24/1/2024

Dean Academics


Principal

Principal

A.J. Institute of Engineering & Technology
Mangaluru - 575 006

H.O. Civil Engineering

A.J. Institute of Engineering & Technology
Mangaluru - 575 006, Kerala, Karnataka

Date: 13-1-2024

Report on "INDUSTRIAL VISIT TO BREAKWATER CONSTRUCTION SITE AT KULAI, SURATHKAL"

| | | | | | | |
|--|--|-----------------------------|----------------------------------|---------|---|--|
| Name of the Program: | INDUSTRIAL VISIT TO NMPA FISHING, HARBOUR KULAI | Program Dates & Timings: | 13-1-2024 9:00 p.m- 12.00p.m. | | | |
| Name & Details of the Resource Person: | NMPA Site Engineers | | | | | |
| Organized by (Clubs/ Dept.) | Department of Civil Engineering | In Association with (clubs) | - | | | |
| Number of Participants | 18 | Students | 18 | Faculty | 2 | |
| Program Outcome (PO) Mapping | PO3, PO4, PO5, PO8, PO12 | | | | | |
| Coordinators | Dr Suman Kundapura, HOD, Dept. of Civil Engg., Dr Amarnath Shetty, Professor, Dept. of Civil Engg., | | | | | |

About the Program:

A breakwater is a permanent structure constructed at a coastal area to protect against tides, currents, waves, and storm surges. Breakwaters have been built since antiquity to protect breakwaters reduce the intensity of wave action in inshore waters and thereby provide safe harbourage. Breakwaters built at Kulai for fishing harbour is 700m long and the total cost of the project is 147Crores. Our students got an excellent exposure at the site to see the casting of tetrapods and quick curing of the tetrapods. The depth of the soil excavated was 3m and the breakwater height is almost 4m above sea level. The laying of the formation was explained by the site engineer Mr. Noushad Ali and Pradeep from Tata consultancy services. The laying of the tetrapod was demonstrated using the hydraulic cranes. Also, they offered students to visit the NMPA actual port for the next visit on request.

Objectives: The industrial visit to breakwater construction at Kulai, Surathkal enable students and faculty

- To learn about the dynamics of sea movement and complex engineering problems involved in designing the breakwaters
- A practical exposure to the prototypes at site

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Outcomes:

- The students will gain valuable insights into coastal protection strategies and develop the skills necessary for contributing to innovative and sustainable solutions in coastal engineering projects.
- The students will be able to relate the theoretical knowledge with the actual prototypes enhancing practical skills in breakwater design and implementation.

Articulation Matrix:

| Course Outcomes | Program Outcomes | | | | | | | | | | | |
|-----------------|------------------|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | | | 2 | 2 | 2 | 2 | 2 | | | | | 2 |
| 2 | | | 2 | 2 | 2 | 2 | 2 | | | | | 2 |
| Average | | | 2 | 2 | 2 | 2 | 2 | | | | | 2 |

Photo:



Sudha K
Coordinator

HOD

H.O.D.-Civil Engineering



[Signature]

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Principal

[Signature]
Principal

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