



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

DEPARTMENT OF CIVIL ENGINEERING

Date :1/03/2022

To

The Principal,

SCOE, Kharghar

Subject: Request to grant permission for site visit at Museum of Jalwardhini Pratisthan & Jal Bodh Kendra, Karjat.

Respected madam,

Department of Civil Engineering (IWWA students) of Saraswati College of Engineering are willing to arrange a site visit at Museum of Jalwardhini Pratisthan & Jal Bodh Kendra, Karjat. at on 9th March 2022 for SECOND & THIRD YEAR CIVIL ENGINEERING students for their academic purpose. There will be around 26 Students along with one faculty and one Non-teaching staff.

We request you to kindly provide us necessary permission to visit the site. Please consider our request and kindly do the needful.

Thanking you.

Yours sincerely

IWWA Incharge

Permitted

H.O.D. (Civil)

Visit Report



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VISIT REPORT

MUSEUM OF JALWARDHANI PTATHISTHAN AND JAL BODH KENDRA
KARJAT

9TH MARCH 2022



YOUTH

I.W.W.A SITE VISIT REPORT

Name Of Site	Museum Of Jalwardhini Pratisthan & Jal Bodh Kendra, Karjat.
Date Of Site	09 th March 2022
Organized By	I.W.W.A Student Chapter Of Saraswati College Of Engineering & Datta Meghe College Of Engineering.
Objective Of Visit	To Understand About Ferrocement Construction Technology For Tanks.

This site visit is mapped with PO 2, 6, 7, 8, 9, 10, 12 and PSO 1

EXECUTIVE SUMMARY :

The Visit To “Museum Of Jalwardhini Pratisthan & Jal Bodh Kendra, Karjat”, Was Conducted By I.W.W.A Student Chapter Of Saraswati College Of Engineering & Datta Meghe College Of Engineering On 09th March 2022, Wednesday. The Visit Was Scheduled Between 08:00 Am To 04:00 Pm. Students From Both The I.W.W.A Chapters Were Taken To The Site Where 9 Ferrocement Tanks Of Different Capacities Were Constructed With 4 Different Methods. While Observing And Understanding The Construction Practices Of Tanks Mr. Ulhas Paranjpe Sir Were Explaining The Idea Behind The Constructions Of Ferrocement Tanks. Students Were Allowed To Observe The Capacity And And Functioning Of Each Ferrocement Tank Constructed After The Visit All Were Taken To Mauli Hall, Karjat For The Lecture By Mr. Ulhas Paranjpe Sir On Ferrocement Technology And Rainwater Harvesting And Mr. Kulkarni Sir On The Topic Of Cluster Development.

BRIEF INTRODUCTION :

During The Visit Mr. Ulhas Paranjpe Sir Explained About The Type Of Ferrocement Construction As “The Ferrocement Composite Consists Of Rich Cement – Sand Mortar Matrix Reinforced With Layers Of Wire Mesh Held In Position By Small Diameter Steel Bars”. Also, He Explained The Four Types Of Tanks As Mentioned Below;

➤ TYPE – 1 :

Weld, Chicken Mesh & Mortar Which Has Capacity Upto 1400 Litres And Upto 4 Ft Height Without Using Steel Bars.

➤ TYPE – 2 :

Weld, Chicken Mesh, 6 – 8 Mm Steel Bars And Mortar Which Has Capacity Upto 25000 Litres And Its Height Is Upto 4 Ft To 6 Ft.

➤ TYPE – 3 :

Using Inner Form, Weld, Chicken Mesh And 8 Mm Steel Bars With Mortar

➤ TYPE – 4 :

Using Inner & Outer Form, Mould, Weld Mesh, Cement Mortar (This Type Of Tanks Are Used In Orissa).

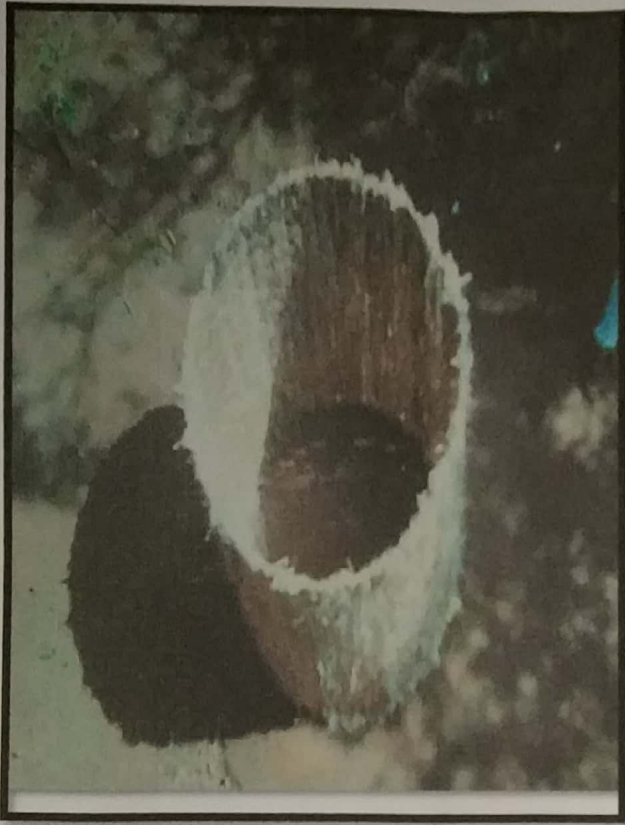


TANKS AT THE FERROCEMENT MUSEUM

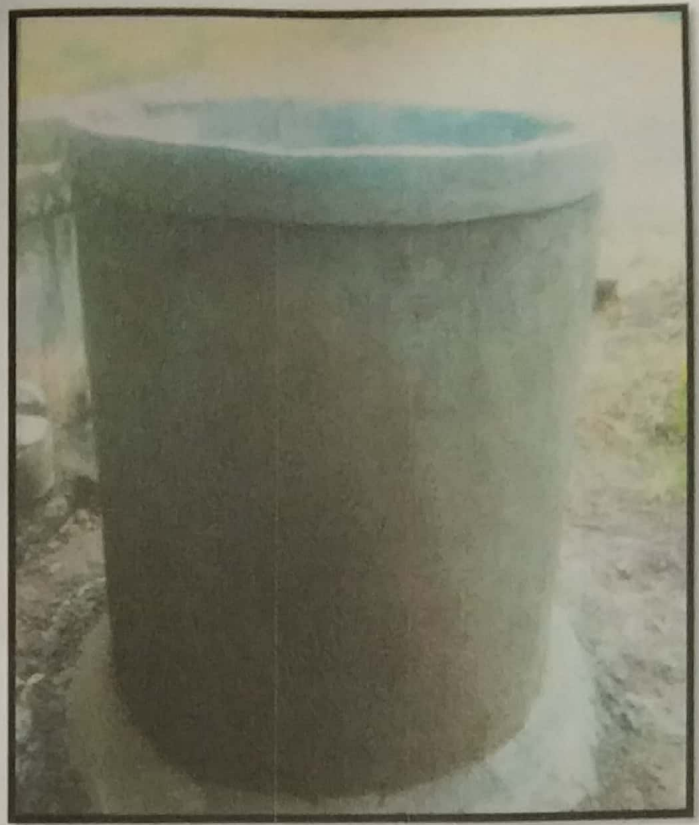
During Explaining Mr. Paranjpe Sir Also Enlighted Us About The Underground Ferrocement Tank And Tank Construction Using Coconut Choir.



UNDERGROUND FERROCEMENT TANK



COCONUT CHOIR SKELETON

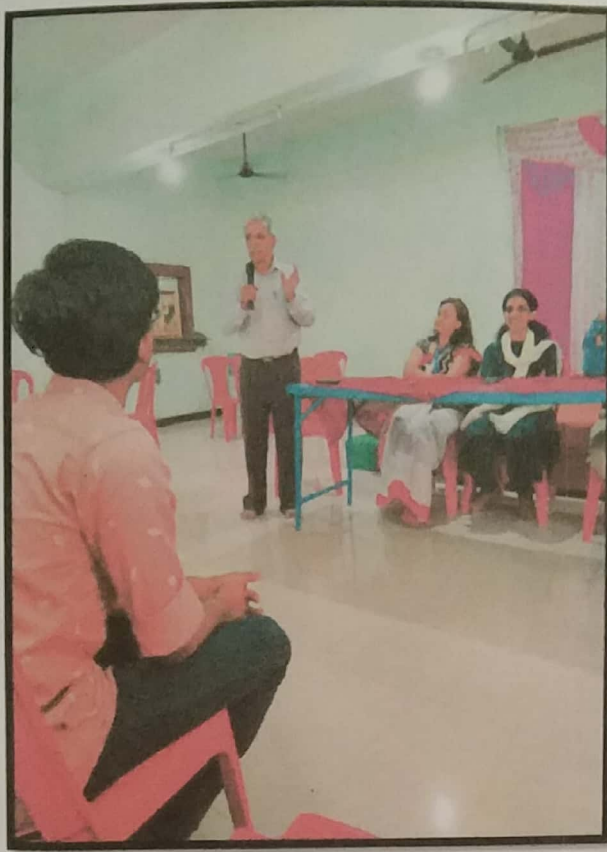


TANK WITH COCONUT CHOIR

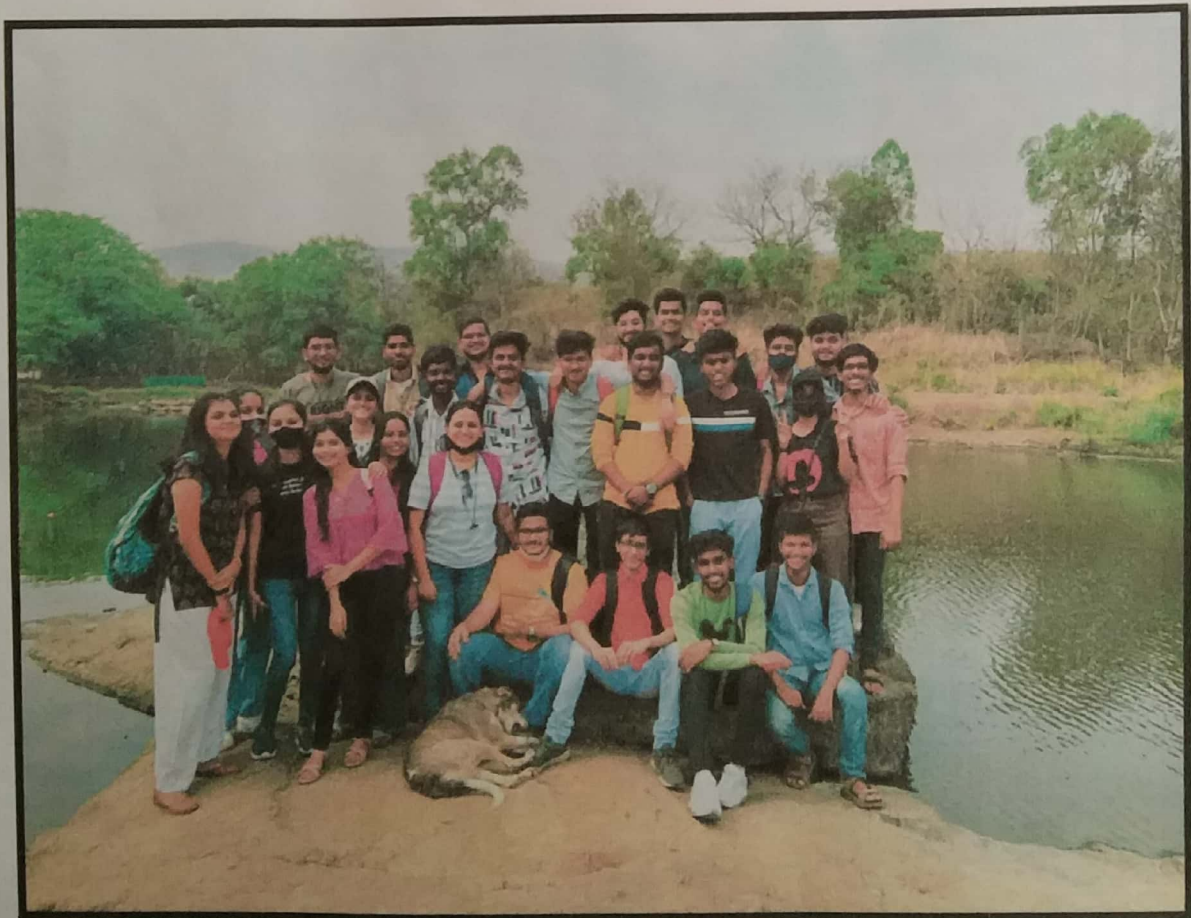
After The Visit All The Students Were Taken To Mauli Hall, Karjat Where Refreshments Were Arranged. The Student From Datta Meghe College Of Engineering Welcomed All The I.W.W.A Dignitaries And The Lecture Was Held By Mr. Paranjpe Sir And Kulkarni Sir Regarding Ferrocement Technology , Rainwater Harvesting And Cluster Development. The Visit And Lecture Were Concluded And The Vote Of Thanks Was Presented On Behalf Of Both I.W.W.A Student Chapters By The Student Of Saraswati College Of Engineering.



LECTURE BY MR. ULHAS PARANJPE SIR



LECTURE BY MR. KULKARNI SIR



STUDENTS OF SARASWATI COLLEGE OF ENGINEERING

Saravati



SARASWATI COLLEGE OF ENGINEERING CIVIL ENGINEERING DEPARTMENT YOUTH FORUM AND STUDENTS CHAPTER FOR
WATER OF INDIAN WATER WORK ASSOCIATION, MUMBAI STUDENT MEMBER ACADEMIC YEAR 2021-22
FERROCEMENT MUSEUM SITE VISIT KARJAT 9 MARCH 2022

SR NO	CLASS	NAME	ROLL NO	SIGNATURE
1	TE/E	pratik Kajwe	33	
2	TE/C	Siddhi Tandekar	69	
3	TE/C	Darshan Masurkar	46	
4	TE/A	Simran Kodare	34	
5	TE/B	Manthan Kamble	27	
6	TE/A	Sahil Patil	50	
7	TE/C	Kiran Nane	44	
8	TE/C	Vaishnavi Rongvane	66	
9	TE/C	Apurva Sawant	62	
10	TE/A	Jagruti Corit.	19	
11	TE/B	Cynthia Fernandes	17	
12	TE/C	Sachin S. Bankar	07	
13	TE/C	Jaffer Badeghar	03	
14	TE/C	Pragant Chavan	15	
15	TE/C	Yash Gorde	25	
16	TE/C	chirag davarji	17	
17	TE/C	sagar birceder	11	
18	TE/C	Om Tawde	70	
19	TE/C	Kundan Yirase	24	
20	TE/C	Shivanand Sonawane	68	
21	TE/C	Sunil S. Annaldas	02	
22	TE/A	Suroj M. Dhosade	16	
23	TE/C	Sudhakar S. Bhagat	08	S.S.B
24	TE/C	Omkar Khedekar	36	
25	TE/C	Lata Nigale	52	
26	TE/C	Annu Bhande	10	
27				
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