



Department of Civil Engineering  
**SHANMUGANATHAN ENGINEERING COLLEGE**  
Approved by AICTE, New Delhi and Affiliated to ANNA University, Chennai.  
An ISO 9001:2015 Certified Institution, Accredited by NAAC  
Arasampatti - 622 507, Pudukkottai Dist.




YEAR/SEM: IV/VII

SUB CODE: CE8712

SUB NAME: Industrial Training (4 weeks)

Sl. No.	Registration Number	Student Name	Organization	Title of Internship	Duration of Training
1	912417103007	P.MANITHASEKUMAR	CEE YEM CONSTRUCTIONS	Construction of Residential Building	August 12, 2021 to September 13, 2020
2	912417103008	P.MUNISELVAM	CEE YEM CONSTRUCTIONS	Construction of Residential Building	August 12, 2021 to September 13, 2020
3	912418103005	S.KIRAN	CEE YEM CONSTRUCTIONS	Construction of Residential Building	August 12, 2021 to September 13, 2020
4	912418103302	A.HARIHARAN	CEE YEM CONSTRUCTIONS	Construction of commercial Building	August 12, 2021 to September 13, 2020
5	912418103301	S.BALAJI	CEE YEM CONSTRUCTIONS	Construction of commercial Building	August 12, 2021 to September 13, 2020
6	912418103310	M.SRINATH	CEE YEM CONSTRUCTIONS	Construction of commercial Building	August 12, 2021 to September 13, 2020
7	912418103305	P.MANIKANDAN	CEE YEM CONSTRUCTIONS	Construction of commercial Building	August 12, 2021 to September 13, 2020
8					

  
STAFF - IN CHARGE

  
HOD/CIVIL

**Er. C. MURUGESAN**

ME (Str.), M.Sc(REV.), MBA., LLB.,  
PGDCC., D.Astro, FIV., MIE., MIA Struct.E., MI IT Arb., P.E., MISNT., MISSE.,

**Cell : 94434 66241, 70103 77041**



**CEE YEM CONSTRUCTIONS**

*Engineers, Architects & Valuers*

MSME Regd. No. : TN21E0005116

Off : No. 1, Subramaniyapuram 4th Street Corner,  
Near I.O.B.-RO, College Road, Karaikudi - 630 002.

Ph : 04565 - 291496 | E-mail : cmvaluers@gmail.com

Office Location

Lat : 10.0791092 | Long : 78.7820231

- Regd. Valuer - IBBI & IT Dept., Govt. of India
- Regd. Structural Grade I, Geo Tech & Chartered Engineer
- Regd. Engineer Grade I & Class IA - Govt. of Tamilnadu
- Competent Person Under DISH. Govt. of Tamilnadu
- Approved Valuer - Banks and HFLs

Bank Valuer ♦ Planner ♦ Structural & Soil Consultant ♦ Technical Arbitrator ♦ Non Destructive Testing

### CERTIFICATE

This is to certify that **Mr.P.Muniselvam**, (Reg.No.912418103008) Studying Final Year B.E., (Civil Engineering) in **Shanmugnathan Engineering College, Arasampatti, Pudukkottai District** has undergone the In-Plant Training at Construction site Located at Karunavalkudi Village, Veerasekarapuram Panchayat, Sakkottai Union, Aranthangi Main Road, Sivaganga District from 12.07.2021 – 13.08.2021.

During this Training Period the Performance of the Trainee was Found to be Good.

Wishing him the very best forever.

KARAIKUDI

16.08.2021

CHARTERED ENGINEER

**Er. C. MURUGESAN**, M.E(Str.), M.Sc(REV.), MBA., PGDCC.,  
D.Astro, FIV., M.I.E., MIA Struct.E., MI IT Arb., P.E., MISNT., MISSE.,  
Regd. Civil Engineer Grade I (RE)

Regn.No: RE / Gr.I / SVG Region / 013 / 2019

**CEE YEM CONSTRUCTIONS**

No. 6,7 First Floor, Hajjar Plaza, College Road,  
Karaikudi Cell: 94434 66241



**Er. C. MURUGESAN**

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## CERTIFICATE

This is to certify that **Mr.P.Manikandan**, (Reg.No.912418103305) Studying Final Year B.E., (Civil Engineering) in **Shanmugnathan Engineering College, Arasampatti, Pudukkottai District** has undergone the In-Plant Training at Construction site Located at Ezhil Nagar, Kottaiyur Nattar's Layout, Kottaiyur Town Panchayat, Sivaganga from 12.07.2021 – 13.08.2021.

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16.08.2021

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## CERTIFICATE

This is to certify that **Mr.P.Santhosh Kumar**, (Reg.No.912418103309) Studying Final Year B.E., (Civil Engineering) in **Shanmugnathan Engineering College, Arasampatti, Pudukkottai District** has undergone the In-Plant Training at Construction site Located at Karunavalkudi Village, Veerasekarapuram Panchayat, Sakkottai Union, Aranthangi Main Road, Sivaganga District from 12.07.2021 – 13.08.2021.

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Wishing him the very best forever.

KARAIKUDI

16.08.2021

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PGDCC., D.Astro, FIV., MIE., MIA Struct.E., MI IT Arb., P.E., MISNT., MISSE.,  
Structural & Chartered Engineer, Regd. Valuer (IT) & Competent Person  
Govt. of India, LIC (HFL), Bank Valuer, Regd. Engineer Class IA  
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### CERTIFICATE

This is to certify that **Mr.M.Srinath**, (Reg.No.912418103310) Studying Final Year B.E., (Civil Engineering) in **Shanmugnathan Engineering College, Arasampatti, Pudukkottai District** has undergone the In-Plant Training at Construction site Located at Ezhil Nagar, Kottaiyur Nattar's Layout, Kottaiyur Town Panchayat, Sivaganga from 12.07.2021 – 13.08.2021.

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KARAIKUDI

16.08.2021

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Structural & Chartered Engineer, Regd. Valuer (IT) and IPR  
Govt. of India, LIC (HFL), Bank Valuer, Regd. Engineer Class A  
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### CERTIFICATE

This is to certify that **Mr.C.Karthick**, (Reg.No.912418103004) Studying Final Year B.E., (Civil Engineering) in **Shanmugnathan Engineering College, Arasampatti, Pudukkottai District** has undergone the In-Plant Training at Construction site Located at Karunavalkudi Village, Veerasekarapuram Panchayat, Sakkottai Union, Aranthangi Main Road, Sivaganga District from 12.07.2021 – 13.08.2021.

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**KARAIKUDI**

**16.08.2021**

**CHARTERED ENGINEER**

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PGDCC, D.Astro, FIV, MIE, MIA Struct.E., MIIT Arb., P.E., MISSE.,  
Structural & Chartered Engineer, Regd. Valuer (IT) and IBBI  
Govt. of India, LIC (HFL), Bank Valuer, Regd. Engineer Class IA  
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### CERTIFICATE

This is to certify that **Mr.A.Hariharan**, (Reg.No.912418103302) Studying Final Year B.E., (Civil Engineering) in **Shanmugnathan Engineering College, Arasampatti, Pudukkottai District** has undergone the In-Plant Training at Construction site Located at Ezhil Nagar, Kottaiyur Nattar's Layout, Kottaiyur Town Panchayat, Sivaganga from 12.07.2021 – 13.08.2021.

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KARAIKUDI

16.08.2021

CHARTERED ENGINEER

*(Signature)*  
\* C. MURUGESAN, M.E(Str.), M.Sc(Rev.), M.B.A., LLB.,  
PGDCC, D.Astro, FIV, MIE, MIA Str.E., MI IT Arb., P.E., MISSE,  
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### CERTIFICATE

This is to certify that **Mr.BALAJI**, (Reg.No.912418103301) Studying Final Year B.E., (Civil Engineering) in **Shanmugnathan Engineering College, Arasampatti, Pudukkottai District** has undergone the In-Plant Training at Construction site Located at Ezhil Nagar, Kottaiyur Nattar's Layout, Kottaiyur Town Panchayat, Sivaganga from 12.07.2021 – 13.08.2021.

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KARAIKUDI

16.08.2021

CHARTERED ENGINEER

*[Signature]*  
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### CERTIFICATE

This is to certify that **Mr.S.Kiran**, (Reg.No.912418103005) Studying Final Year B.E., (Civil Engineering) in **Shanmugnathan Engineering College, Arasampatti, Pudukkottai District** has undergone the In-Plant Training at Construction site Located at Karunavalkudi Village, Veerasekarapuram Panchayat, Sakkottai Union, Aranthangi Main Road, Sivaganga District from 12.07.2021 – 13.08.2021.

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DEPARTMENT OF CIVIL ENGINEERING  
SHANMUGANATHAN ENGINEERING COLLEGE

ARASAMPATTI - 622 507

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18.04.2022

Submitted to the principal:

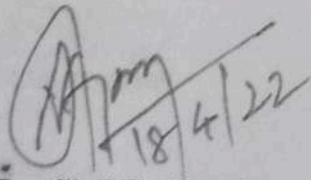
Respected sir,

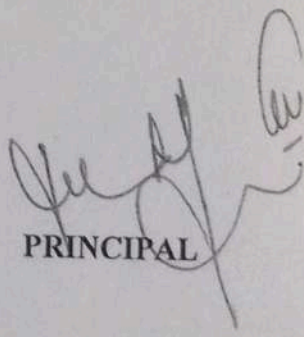
**Sub:** Request for permission to an Industrial Visit-Reg.

A batch of 21 students of 4<sup>th</sup> year Civil Engineering accompanied by 2 faculty members listed below would like to go to Kerala for an industrial visit to Aditya Birla cement factory on 29.04.2022 . In this regard permission may please be granted to leave the college on 28.4.2022 night and to return back to college on 01.05.2022 morning A detailed scheduled is attached herewith for your kind consideration.

1.

2.

  
18/4/22  
HoD - Civil Engineering.

  
PRINCIPAL





Vijayabaskaran S &lt;vijayrec76@gmail.com&gt;

**Request for permission - Industrial visit- reg**

3 messages

**Vijayabaskaran S** <vijayrec76@gmail.com>

To: jinu.samuel@adityabirla.com

Cc: m.joseph@adityabirla.com

Wed, Apr 6, 2022 at 4:39 PM

Dear sir greetings. I am vijayabaskaran HoD / Civil from shanmugathan Engineering college, arasampatti, Tamil Nadu. A group of 40 students accompanied by 3 faculty members would like to visit your plant on 29.4.2022. in this regard permission may please be granted for the same. Yours truly S. Vijayabaskaran M.E. Associate professor and HoD of Civil Engg.

**Hari Kumar** <s.harikumar@adityabirla.com>

To: "vijayrec76@gmail.com" &lt;vijayrec76@gmail.com&gt;

Cc: Jinu samuel &lt;Jinu.samuel@adityabirla.com&gt;, Manikandan Thirunavukarasu &lt;t.manikandan@adityabirla.com&gt;

Mon, Apr 11, 2022 at 12:41 PM

Dear Sir,

Please Proceed to Visit our Plant as per your scheduled date 29.04.2022.

Thanks &amp; Regards

S.Harikumar

Cochin-Plant-1

Mobile:- 9092088318

**From:** Jinu samuel <Jinu.samuel@adityabirla.com>**Sent:** Monday, April 11, 2022 11:41 AM**To:** Hari Kumar <s.harikumar@adityabirla.com>**Cc:** Manikandan Thirunavukarasu <t.manikandan@adityabirla.com>**Subject:** RE: Request for permission - Industrial visit- reg

Hari,

Please confirm by mail

**From:** Jinu samuel**Sent:** 06 April 2022 16:43**To:** Hari Kumar <s.harikumar@adityabirla.com>**Cc:** Manikandan Thirunavukarasu <t.manikandan@adityabirla.com>**Subject:** FW: Request for permission - Industrial visit- reg

Please coordinate



FINAL YEAR - INDUSTRIAL VISIT

ITINERARY

28.04.2022 (Thursday)

Departure from College (Thirumayam) - 8.00 pm

29.04.2022 (Friday)

Arrival at Ernakulum - 6.00 am

Accommodation & Site seeing - 9.00 am to 2.00 pm

Visiting Ultratech cement manufacturing plant - 2.30 pm to 5.30 pm

Return to room after site visit - 6.00 pm

30.04.2022 (Saturday)

Departure from Ernakulum - 7.00 am

Arrival to Idukki - 10.00 am

Visit to Idukki dam - 10.00 am to 12.00 noon.

Departure from Idukki - 12.30 pm

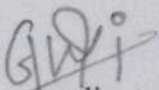
Arrival to Vagamon - 3.00 pm

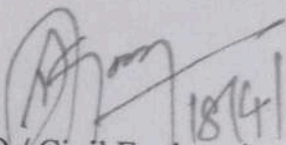
Site seeing - 3.00 pm to 6.30 pm

Departure from Vagamon - 8.00 pm

01.05.2022 (Sunday)

Arrival to College (Thirumayam) - 7.00 am

  
Class coordinator

  
HoD / Civil Engineering





**DEPARTMENT OF CIVIL ENGINEERING**  
**SHANMUGANATHAN ENGINEERING COLLEGE**

**ARASAMPATTI - 622 507**

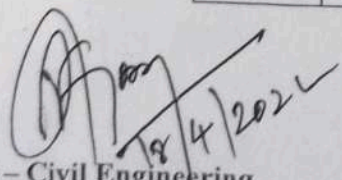
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**INDUSTRIAL VISIT NAME LIST**

**IV Year Civil Engineering**

S.No	NAME
1	ANBINSELVAN V
2	HARIHARAN M
3	IYYAPPAN A
4	KARTHICK C
5	KIRAN S
6	MADHAVAN R
7	MONIKA V
8	MUNISELVAM P
9	NAVEENRAJ S
10	NIRMAL SHANMUGAM R
11	PIRAAVEEN S
12	PIRAMMAN N
13	VANITHA M
14	BALAJI S
15	HARIHARAN A
16	KARTHIKA S
17	MANIKANDAN P
18	MOUNIKA G
19	SANTHOSHKUMAR P
20	SRINATH M
21	V.BHARATHRAJ

  
HoD - Civil Engineering



## SITE VISIT REPORT

Location : kulavaipatti  
Name of work : Pile load test  
Date of visit :05.04.2022  
No. of Students :19  
No. of Faculty :03

### Information about work:

The Pile Load Test is **the most reliable method of determining the load carrying of a pile**. This test can be performed either on a working pile that forms the foundation of the structure or on a test pile. Pile loading test is one of the most common methods for testing the actual in-situ load capacity of any pile.

The basic purpose of the pile test is **to determine or verify the safe working load for the pile-soil system**. In most cases, tests are not carried to failure, and some arbitrary criterion is applied to determine if the test results are satisfactory.



Visited the place where tested load on pile foundation at Kulavaipatti



### **Learning Experience by Students:**

- The students gained knowledge about the process pile foundation
- The team explain about the pile foundation and who the load transfer.
- Load test of the pile foundation also explained by the team.
- The procedure of the load test and test set ups were explained detail.

### **Feedback by Students:**

- Student feedback was positive.
- They felt that an site visit was informative and useful.
- They learned a lot with joy.
- They gained massive knowledge about pile foundation.



**Setup for pile load test**



## Industrial Visit Students Name List:


S. No.	Register Number	Student Name
1.	912419103001	AL SHIFANA T
2.	912419103002	ASHIKA ROSHAN BANU Z
3.	912419103003	CHANDURU A
4.	912419103004	DEVA D
5.	912419103005	JAYARAMAN P
6.	912419103006	KARTHIKEYAN M
7.	912419103007	NAGAPPAN S
8.	912419103008	THAYANITHI A
9.	912419103009	VARUNKUMAR S
10.	912419103301	BALAJI M
11.	912419103302	BHARANIDHARAN M
12.	912419103303	GOKULNATH S
13.	912419103304	JOHNSON AROCKIYARAJ F
14.	912419103305	MANIKANDAN V
15.	912419103306	MOHAMED ALIYAR S
16.	912419103307	NAGARAJ R
17.	912419103308	NITHISH AS
18.	912419103309	SANKAR S
19.	912419103310	SANMUGANATHAM P

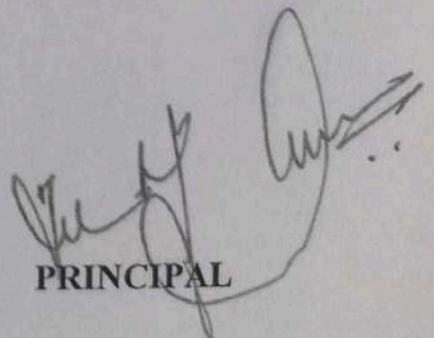
### STAFF INCHARGE:

1.Dr.D.Selvakumar

2.Mr.V.Balakrshinan

3.Ms.G.Srisowmiya

  
HoD-CIVIL ENGG

  
PRINCIPAL



## INDUSTRIAL VISIT REPORT

**Name of Industry/Company** : Ultratech Concrete Manufacturing Plant  
**Address** : Ultratech Industries, Binanipuram Road, Edayar,  
Kerala 683502.  
**Date of visit** : 29.04.2022  
**No. of Students** : 18  
**No. of Faculty** : 02

### **Profile of the Company:**

UltraTech is the largest manufacturer of cement and ready mix concrete (RMC) and one of the largest manufacturers of white cement in India. It is the third largest cement producer in the world, excluding China. UltraTech is the largest manufacturer of concrete in India.

UltraTech is the only cement company globally (outside of China) to have 100+ MTPA of cement manufacturing capacity in a single country. UltraTech has a consolidated capacity of 119.95 Million Tonnes Per Annum (MTPA) of grey cement. UltraTech has 22 integrated manufacturing units, 27 Grinding units, one Clinkerisation unit and 8 Bulk packaging terminals.



**Visited Ultratech Concrete Manufacturing Plant at Kerala**

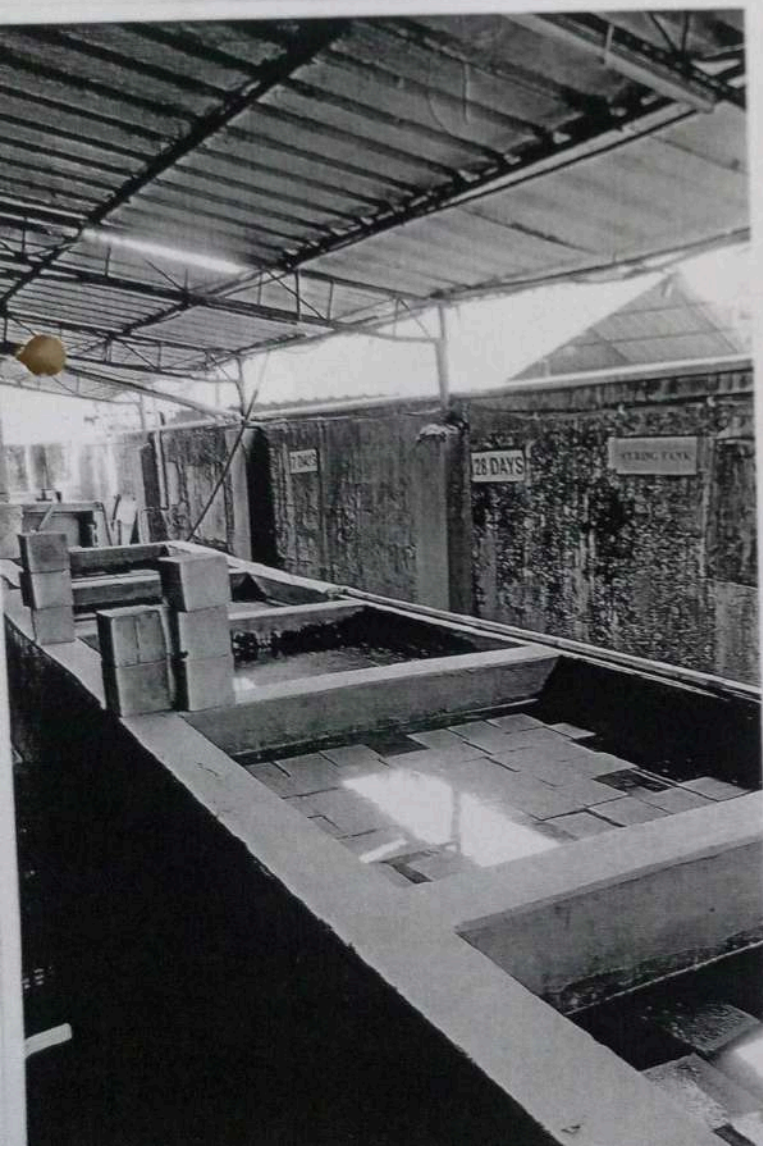


### Learning Experience by Students:

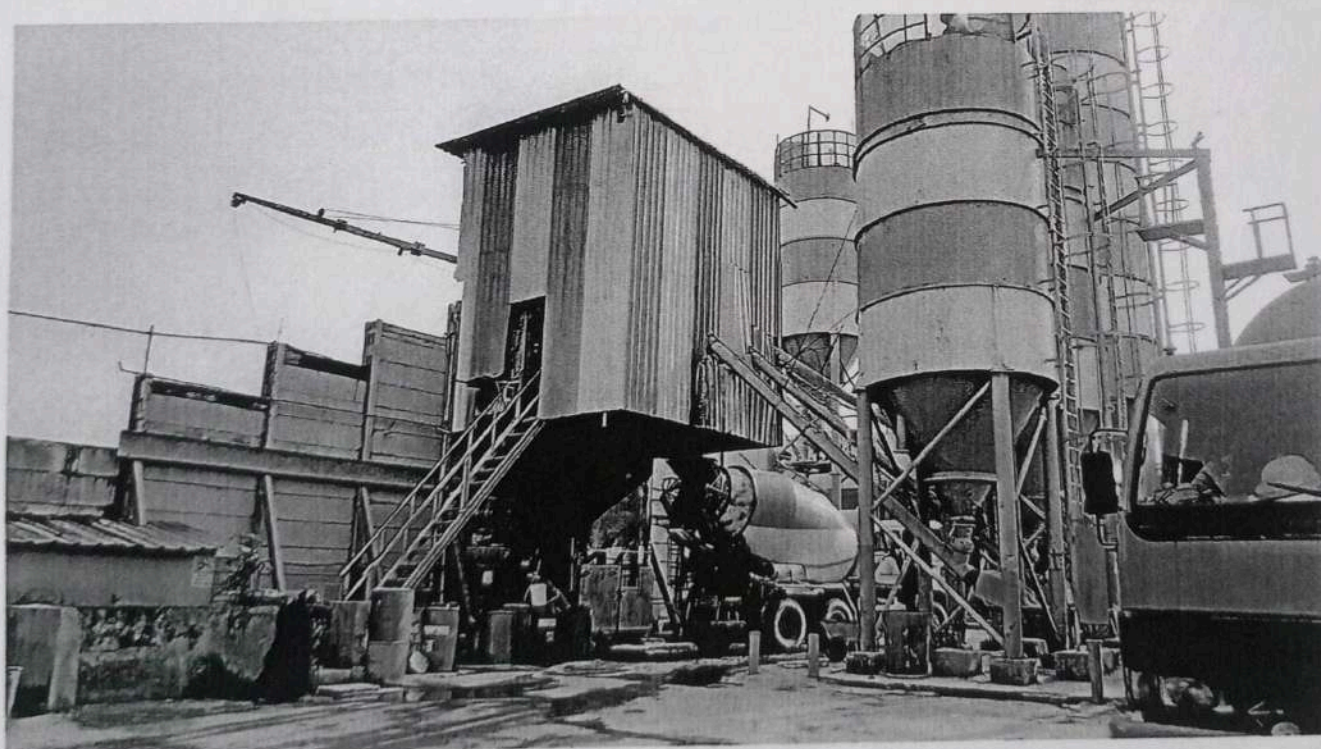
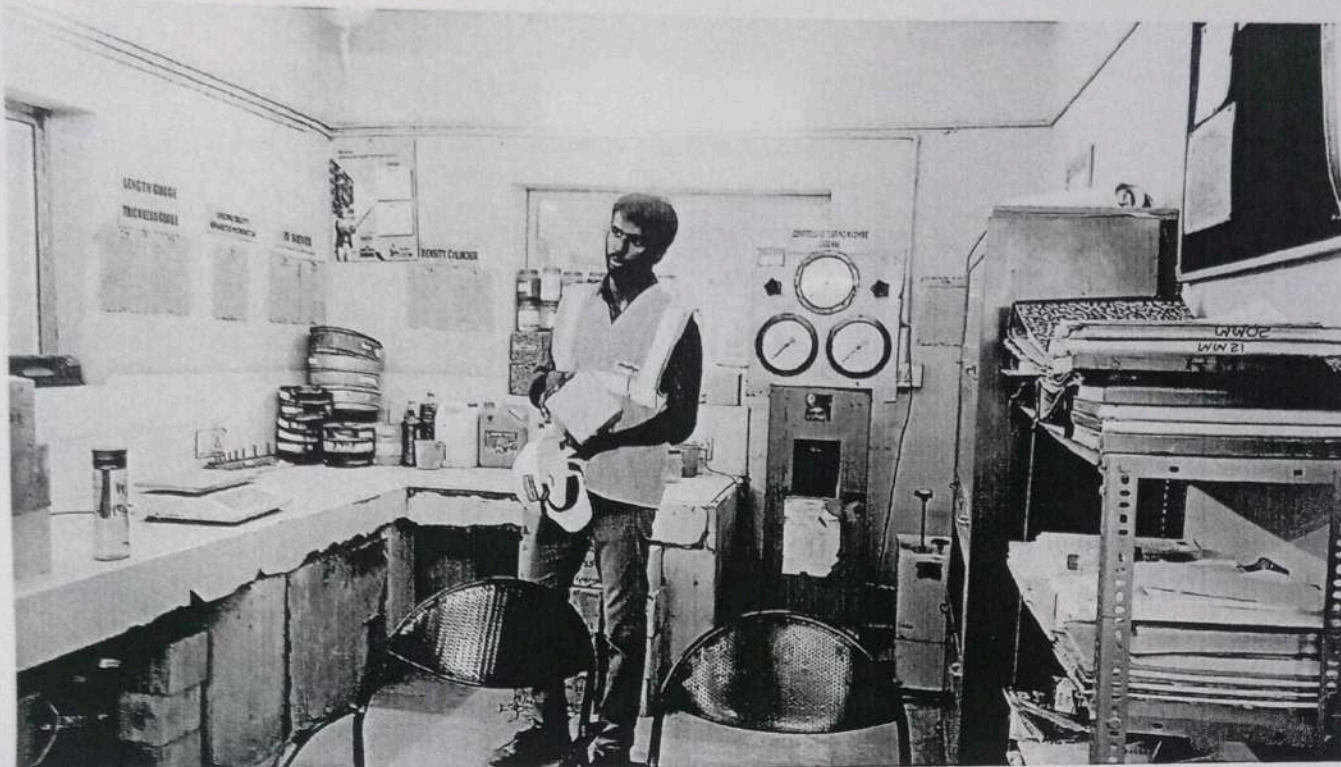
- The students gained knowledge about the process of manufacturing concrete with additives and their usage.
- The manufacturing team explained the usage of various additives and types of concrete. Plasticizer, super plasticizer, Retarders and pigment used in concrete was explained by the team.
- Light weight concrete, foam concrete, colour concrete, concrete with admixtures and their manufacturing process was also explained. In addition they explained about the quality control dose during manufacturing process.
- In quality control section, they explained about concrete strength and different types of ad mixers used in concrete with respect to client requirements

### Feedback by Students:

- Student feedback was positive.
- They felt that an industrial visit was informative and useful.
- They learned a lot with joy.
- They gained massive knowledge about concrete technology.







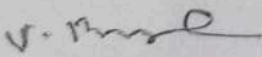
Manufacturing plant at Edaiyar



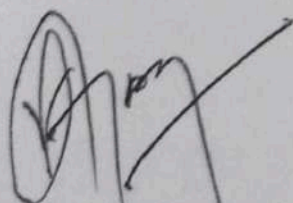
**Industrial Visit Students Name List:**

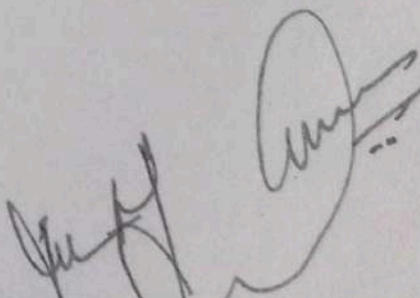
S. No.	Register Number	Student Name	Year
1.	912418103001	ANBIN SELVAN. V	IV
2.	912418103002	HARIHARAN. M	IV
3.	912418103003	IYYAPPAN. A	IV
4.	912418103006	MADHAVAN. R	IV
5.	912418103007	MONIKA. V	IV
6.	912418103008	MUNI SELVAM. P	IV
7.	912418103010	NAVEEN RAJ. S	IV
8.	912418103011	NIRMAL SHANMUGAM. R	IV
9.	912418103012	PIRAAVEEN. S	IV
10.	912418103013	PIRAMMAN. N	IV
11.	912418103014	VANITHA. M	IV
12.	912418103301	BALAJI. S	IV
13.	912418103302	HARIHARAN. A	IV
14.	912418103304	KARTHIKA. S	IV
15.	912418103305	MANIKANDAN. P	IV
16.	912418103306	MOUNIKA. G	IV
17.	912418103309	SANTHOSH KUMAR. P	IV
18.	912418103310	SRINATH. M	IV

**STAFF INCHARGE:**

1. 

2. 

  
HoD-CIVIL ENGG

  
PRINCIPAL  
10/05/2022