



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgaivi)

## Department of Civil Engineering

From Prof. Vinod D'Souza  
Department of Civil Engineering  
AJIET Mangalore

To Dr. Shantharama Rai  
The Principal  
AJIET Mangalore

Date: 19/09/2019

Subject: Request for Permission for Industrial Visit for 3<sup>rd</sup> semester CV Students

Respected Sir, I am writing on behalf of the Civil Department to seek your gracious permission to organize an industrial visit for our 3<sup>rd</sup> semester CV Students.

Details of the proposed industrial visit are as follows:

Details of the visit are as follows:

- Date: 23/09/2019
- Venue: Nirmithi Kendra Surathkal

Your approval will significantly benefit our students.

Warm regards,

Prof. Vinod D'Souza

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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## Department of Civil Engineering

Ref. No: AJIET/CV/IV/2019-20/01

Date: 20/09/2019

### CIRCULAR

Dear Students, we are excited to announce the Industrial Visit for the 3<sup>rd</sup> semester Students. This program offers you the opportunity to gain practical experience, industry exposure, and professional skills.

For more details, contact Mr. Dileep Kumar U, Industrial Visit Coordinator

Details of the visit are as follows:

- **Date: 23/09/2019**
- **Venue: Nirmithi Kendra Surathkal**

  
23/09/2019  
Event Coordinator



  
HOD

H.O.D.-Civil Engineering  
A.J. Institute of Engineering & Technology  
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## Civil Engineering Department

### INDUSTRIAL VISIT DETAILS OF ACADEMIC YEAR 2019-2020

SL NO	Date	Industries	Semester	No of Students	No of Faculties
1	23-9-2019	Nirmithi Kendra, Surathkal	3 <sup>rd</sup>	34	2



*Sunil K*

HOD

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

*[Signature]*

Principal

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



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## **Civil Engineering Department**

**From**

**Head of Department  
AJ Institute of Engineering & Technology  
Kottara Chowki  
Mangaluru-574006**

**Date -20-9-2019**

**Place - Mangaluru**

**To**

**Executive Engineer  
Nirmithi Kendra  
Suratkal, DK**

**Sub – Seeking permission to visit Nirmithi Kendra ; Reg**

Respected Sir/Madam,

I would like to share that we have planned this industry visit for our 3<sup>rd</sup> semester B.E Civil Engineering students on 23<sup>rd</sup> September 2019 in order to give them knowledge about Precast Concrete and many innovative products & also to know pre-construction/construction/post construction solution under one roof without any hassle.

There would be a total of 34 students accompanied by 3 faculty members from our college. The visit is aimed at enhancing their knowledge. We intend to take a round of the entire plant & show the various operations to our students.

I hope you will give us the opportunity to visit . I anticipate a positive response from your end.

Attachment- List of 34 students.

  
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<b>NAME OF THE EVENT:</b>	<b>INDUSTRIAL VISIT TO NIRMITHI KENDRA, SURATHKAL</b>
<b>ORGANISING DEPARTMENT / COMMITTEE :</b>	<b>DEPARTMENT OF CIVIL ENGINEERING</b>
<b>NAME OF THE CO-ORDINATORS:</b>	<b>Mrs. Suman Kundapura, Asst. Prof., Dept. of Civil Mr. Dileep Kumar U., Asst. Prof., Dept. of Civil</b>
<b>DATE :</b>	<b>23-09-2019</b>
<b>NAME OF THE RESOURCE PERSON :</b>	<b>Mr. Rajendra Rao Kalbavi, Project Manager, Dakshina Kannada Nirmithi Kendra, Srinivasanagar, NITK, Mangalore.  Mr. Navith, Assistant Engineer, Dakshina Kannada Nirmithi Kendra, Srinivasanagar, NITK, Mangalore.</b>
<b>NO OF PARTICIPANTS :</b>	<b>34</b>

A technical visit to "DAKSHINA KANNADA NIRMITHI KENDRA" was organized for the Civil Engineering students of third semester who have just entered their respective branches. A half day visit to the Nirmithi Kendra was informative and productive. The Government of India has established the building centers like Nirmithi Kendra, in each of the district under the National Network of "Building Centers" in India. These Building Centers are the "Technology Transfer" Centers which will promote and propagate the proven technologies from the R&D institutes in India like CBRI, SERC, IIT, RRL etc., to the field on "Lab to Land" principles.



Principal

A.J. Institute of Engineering & Technology



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During the visit, the Bio-Digester for Toilet Unit was explained to the students by Mr. Navith, Engineer, Dakshina Kannada Nirmithi Kendra. The importance of Bio-Digester, its applications, installation methods in existing buildings and new buildings was explained to the students. The system was developed by DRDE for Indian army personals use at Siachin Glacier which was further patented by MMICPL for the use of public. Bio-Digester is a unique innovation in the world of sanitation. It consists of Bio-toilet attached with bio-digester tanks. The microbial inoculum used in the bio-digesters converts the human faecal matter into reusable water and bio-gas. He took the students around the organization, where various types of structures were constructed using cement, brick, chicken mesh, hollow blocks, etc.,

Rain water harvesting structures being the need of the hour was very well demonstrated by Mr. Rajendra Rao Kalbavi, Project Manager, Dakshina Kannada Nirmithi Kendra. Finally, a live demonstration of an arch structure using brick and mortar was shown at the site. The arch was completed within 10 mins and the supporting formwork was also removed. Further the structure was loaded within the initial setting time of cement i.e., 30 mins. The strength and its stability of the structure to carry the loads was demonstrated. The effect of horizontal thrust was discussed. Students were given an opportunity to mould and unmould the bricks at the site. They also invited students to take up project works and interships at Nirmithi Kendra, where they will be providing material and space for the work. Overall the industrial visit was food for thought for being the innovative Civil Engineers of the new generation.



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

  
PRINCIPAL

**CC To:**

1. President, LMET
2. Vice President, LMET
3. File

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



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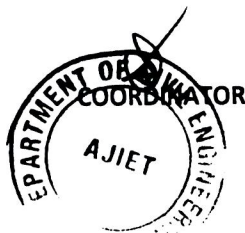
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## DEPARTMENT OF CIVIL ENGINEERING INDUSTRIAL VISIT TO DAKSHINA KANNADA NIRMITHI KENDRA ATTENDENCE REPORT

SEMESTER : 3rd

DATE :23-9-2019

SL.NO	USN	NAME OF STUDENT	PRESENT/ABSENT
1	4JK18CV001	A MANJIMA	P
2	4JK18CV004	ABIN MATHEW	P
3	4JK18CV005	AMAL GEEVARGHESE	P
4	4JK18CV006	ANANYA KUDYADI	P
5	4JK18CV007	ANIRUDH NAIR P V	P
6	4JK18CV008	CHAITANYA CHANDRASHEKAR HOSAMANE	P
7	4JK18CV010	DEEKSHA	P
8	4JK18CV011	DILEEP M	P
9	4JK18CV012	K VYSAKH	P
10	4JK18CV014	KIRAN T	P
11	4JK18CV015	MOHAMMED NIZAM	P
12	4JK18CV017	NICKSON GEORGE	P
13	4JK18CV018	NIKESH KUMAR SIWAN	P
14	4JK18CV019	NIKHIL	P
15	4JK18CV020	NIREN JAN S	P
16	4JK18CV021	PREETHESH G RAI	P
17	4JK18CV023	SHASHANK	P
18	4JK18CV025	SREERAJ V	P
19	4JK18CV026	SRIDEVI R	P
20	4JK18CV027	SUJITH SHEKAR POOJARI	P
21	4JK18CV028	SURAJ R SHETTY	P
22	4JK18CV031	VYSHNAV SUNIL	P
23	4JK17CV045	SUNIAINA GHARTI	P
24	4JK19CV400	A PREM KUMAR	P
25	4JK19CV401	COSTA JANAVI	P
26	4JK19CV402	NARESHA A	P
27	4JK19CV403	PRAJNA	A
28	4JK19CV404	SALWIN SABU	P
29	4JK19CV405	SHOBITH B	A
30	4JK19CV406	SIDDARTH J NAIR	P
31	4JK19CV407	SURAJ S SHETTY	A



HOD

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