



# DAKSHINA KANNADA NIRMITHI KENDRA

(Sponsored by GOI/HUDCO & Govt. of Karnataka)

## CERTIFICATE

This is to certify that the project work entitled "Experimental Investigations on Paver Blocks by partial replacement of Cement by Lead Slag and Natural sand by M-sand" is carried out by the following bona fide students of Mangalore Institute of Technology and Engineering Moodabidiri in partial fulfillment for the award of the degree of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belagavi, during the year 2019-2020.

YASHODA C LAMANI	4MT16CV092
SUNIL RATHOD	4MT17CV421
VINAY L J	4MT17CV425
YOGESH NAGMULE	4MT17CV428

The Project report is an authentic work carried out by the students at our facilities from 16/01/2020 to 27/01/2020.

  
Executive Director  
D.K.Nirmithi Kendra  
Executive Director  
D.K. Nirmithi Kendra  
NITK, Surathkal - 575 025

Place : Surathkal

Date : 13/08/2020.

NITK, N.H. 17, Srinivasnagar, Surathkal - 575 025  
Telefax : 0824-2476727  
E-mail : dknirmithi@yahoo.com

Chairman  
Deputy Commissioner  
D.K. District, Mangalore

Executive Chairman  
Chief Executive Officer  
D.K. Zilla Panchayath, Mangalore



# DAKSHINA KANNADA NIRMITHI KENDRA

(Sponsored by GOI/HUDCO & Govt. of Karnataka)

## CERTIFICATE

This is to certify that the project work entitled “**EXPERIMENTAL INVESTIGATIONS ON STABILIZATION OF COMPRESSED EARTH BLOCKS USING QUARRY DUST AND LEAD SLAG**” is carried out by the following bonafide students of **Mangalore Institute of Technology and Engineering Moodabidiri** inpartial fulfillment for the award of the degree of **Bachelor of Engineering in Civil Engineering** of *Visvesvaraya Technological University, Belagavi*, during the year 2019-2020.

VINOOTH CHRISTON PINTO	4MT16CV089
ABHISHEK	4MT16CV002
VISHAL RANJAN RAI G	4MT17CV426
SUSHANTH DEVADIGA	4MT17CV423

The Project report is an authentic work carried out by the students at our facilities from 16 /01/2020 to 27/01/ 2020.

Executive Director  
D.K.Nirmithi Kendra  
Executive Director  
D.K. Nirmithi Kendra  
NITK, Surathkal - 575 025

Place: Surathkal  
Date: 14.08.2020

# INTERNSHIP CERTIFICATE

 **DAKSHINA KANNADA NIRMITHI KENDRA**  
(Sponsored by GOI/HUDCO & Govt. of Karnataka)  
N.I.T.K, Srinivasnagar, Surathkal-575025.  
Ph: 0824-2476727, Web : www.dknk.org



**Certificate**

This is to certify that

Ms. DEVI PRASANNA , MITE - Moodabidri

INTERNSHIP TRAINING PROGRAMME FOR 2019 FROM 5<sup>TH</sup> JULY TO 3<sup>RD</sup> AUGUST

visited D.K.Nirmithi Kendra Campus on \_\_\_\_\_  
and has gained knowledge on Cost Effective alternate  
eco friendly modern building technologies

  
Er. Rajendra Kalbavi  
Project Director  
D.K.Nirmithi Kendra

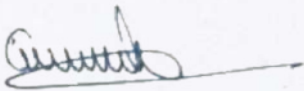
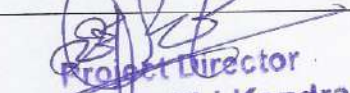


**PART - E**

**Letter for Collaboration from Reputed Researcher/ Institution/  
Organization/ Industry/ Research Lab/ Analytical Lab**

1	Name of the Institution/ Organization/ Industry/ Research Lab/Analytical Lab	D.K. NIRMITHI KENDRA, N.I.T.K. SURATHKAL
2	Name of the Collaborating Department	Civil Engineering Dept. of Mangalore Institute of Technology and Engineering institution
3	Name & Designation of the Collaborator	RAJENDRA KALBAVI, PROJECT DIRECTOR, D.K.NIRMITHI KENDRA
4	Research Topic:-	<b>BEHAVIOUR OF MASONRY ARCHES AND FIBRE REINFORCED CONCRETE ARCHES IN SUBSTRUCTURES</b>
5	<b>Contact Details:-</b>	
	a) Address	D.K. NIRMITHI KENDRA, N.I.T.K. CAMPUS, SRINIVASNAGAR, SURATHKAL - 575025
	b) Telephone	0824-2476727, 2477534
	c) Mobile	9448287534
	d) Fax	-
	e) E-mail	dknirmithi@yahoo.com

I am willing to collaborate with Civil Engineering Dept. of Mangalore Institute of Technology and Engineering institution for Collaboration Programme of VGST and I am agreeing to provide the required assistance in the research related activity to Programme Co-ordinator.

 <b>Signature of the Programme Co-ordinator</b>	 <b>Project Director D.K. Nirmithi Kendra N.I.T.K. Surathkal - 575 025</b> <b>Signature of Collaborator (with Seal)</b>
<b>Date</b>	<b>Date</b>
<b>Place:</b>	<b>Place:</b>





## **Mangalore Institute of Technology and Engineering**

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Badaga Mijar, Moodbidri-574225

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### **Report on the industrial visit of THUMBE Dam**

**Title:** *“Industrial visit of Thumbe Vented Dam and Thumbe Water Treatment plant”*

**Date:** 25.08.2018

**Duration:** One Day

**Target Audience:** Final year Students

**Brief about the event:**

- To fill the academic gap between curriculum and industry.
- To improve the learning experience of the students.
- To understand about the water treatment processes and the design units of water treatment units

**Keynotes from the address:**

**Features of Thumbe Vented Dam:**

1. Vented constructed across Nethravathi river.
2. Invested money is 75.50 crores
3. City water supply to Mangaluru.
4. Length - 343.50 m
5. Height – 12.0 m
6. Crust gates numbers- 30 and 10 m× 5.5 m in dimensions
7. Water storage capacity: 14734 million litres

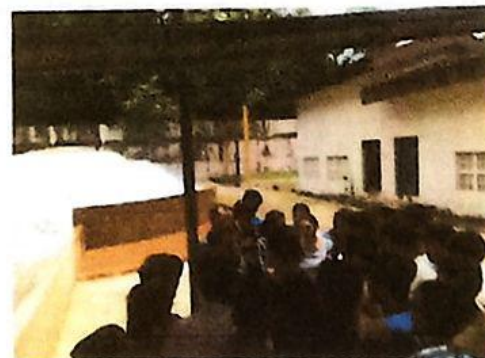
**Outcomes of the Visit:**

- Students gained the knowledge of the vented dam and its features.
- The pumping station and jack well and its operation was observed by students.
- Students understand the backwashing of filtration.
- They observed the alum, coagulant mixing, chlorine and disinfection
- They observed the cascade aerator.



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**Photographs:**



*(Signature)*

**Dr. GANESH MOGAVEER**  
**PROFESSOR & HEAD**  
**DEPT. OF CIVIL ENGG.**  
**MITE,**  
**BADAGA MIJAR, MOODABIDRI - 574225**



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### **Department of Civil Engineering**

#### **Report on the Industrial Visit program**

**Title: "Industrial Visit to Nirmithi Kendra"**

**Resource Person/Organization:** Er.Rajendra Kalbavi, Co-Ordinator of D.K.Nirmithi Kendra, Surthkal:

**Date:** 27.10.2018

**Duration:** One Day

**Target Audience:** 2<sup>nd</sup> Year Student

#### **DESCRIPTION OF THE VISIT**

- The visit was carried out at D.K.Nirmithi Kendra ,Surthkal on Saturday. (27 October 2018)
- It was located at NITK, Srinivasnagar, Surathkal, Mangaluru, Karnataka 575025
- 110 students participated with 4 faculties.

#### **OBJECTIVE OF THE VISIT**

Objectives of the Industrial visit was to provide the knowledge on cost Effective alternate eco-friendly modern building technologies, industrial Environment, workers and employee etc.

#### **INFORMATION ON NIRMITHI KENDRA**

The Construction activity is enormously increasing day by day in India which leads to either acute shortage of building materials or to accept the substandard materials which are available in the market which increases not only the cost of construction but also waste of available energies like Fire wood, Petroleum by products which is a burden on National resources.





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There are so many R & D institutes in India like CBRI, SERC, IIT, RRL etc., have developed so that we can reduce the cost of construction and also we can conserve the energy to a large extent and also recycling of waste materials. Government of India has established Building Centers in each district under the National Network of "Building Centers" in India. These are all "Technology Transfer" Centers. These Building Centers will promote and propagate the proven technologies from the above R&D Institutes to the field on "Lab to Land" principles. Dakshina Kannada district administration has established one such centre called "DAKSHINA KANNADA NIRMITHI KENDRA " on 1989, which is located at Surathkal and it is functioning by the having body under the Chairmanship of Deputy Commissioner, D.K. district.

### **TRAINING - VISITORS – HISTORY**

The training activity is broadly classified into three categories:

1. Unskilled to Semi skilled
2. Semi-skilled to Skilled
3. Skill up gradation

Awareness Programme: Awareness Programme on Cost Effective Building Materials and Technologies for the various targets groups like inservice Technical and Administrative personnel of the State Government and other Government departments, non-officials of Zilla Panchayaths, Taluk Panchayaths & Grama Panchayaths, Teaching staff of the Technical Schools like Polytechnics, ITI's etc., students from the technical schools like school of Architecture, Engineering, Polytechnics & ITI's and General Public.

### **PRODUCTION**

Nirmithi Kendra will take up construction of various types of buildings from Government sector as well as from Private Sector in order to show the efficacy of the Cost Effective Technologies in different buildings like, Tourist Cottage, Office buildings, Hostels, residences etc.



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### **CONSULTANCY**

Nirmithi Kendra will provide consultancy services to private builders and individual home builders on Cost Effective Eco-friendly, Alternative Building Technologies as these technologies are not vernacular technologies as everyone is aware off.

### **EXPERIENCE**



The journey started at nearly 10:00AM from MITE College with 110 students and 4 faculties in 2 college buses. It took nearly 1 hour to reach there. We were welcomed by DKNK co-ordinator who gave us information about DKNK it working and its achivement, then we learnt about different kinds of bonds, roofs, walls etc.





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There we learnt about light weight ferro cement boats and its practical application where we were allowed to test its strength. Then we came to know about rain water treatment and its storage.



They showed us different kind mesh and also informed about different kind of arch and how it is constructed which was practically showed to us. We came to know how mud blocks are made. At the end they informed about their recent project and also welcomed us to do our internships there and also said they would help us with any problem with our projects in the future and allowed us to use their technology and research for our future projects.

### **CONCLUSION**

I would like to conclude by saying that this visit was very effective and wish to have more such visit in the future. Here we had a whole new experience about cost effective alternate eco-friendly modern building technologies, industrial environment, workers and employee etc.



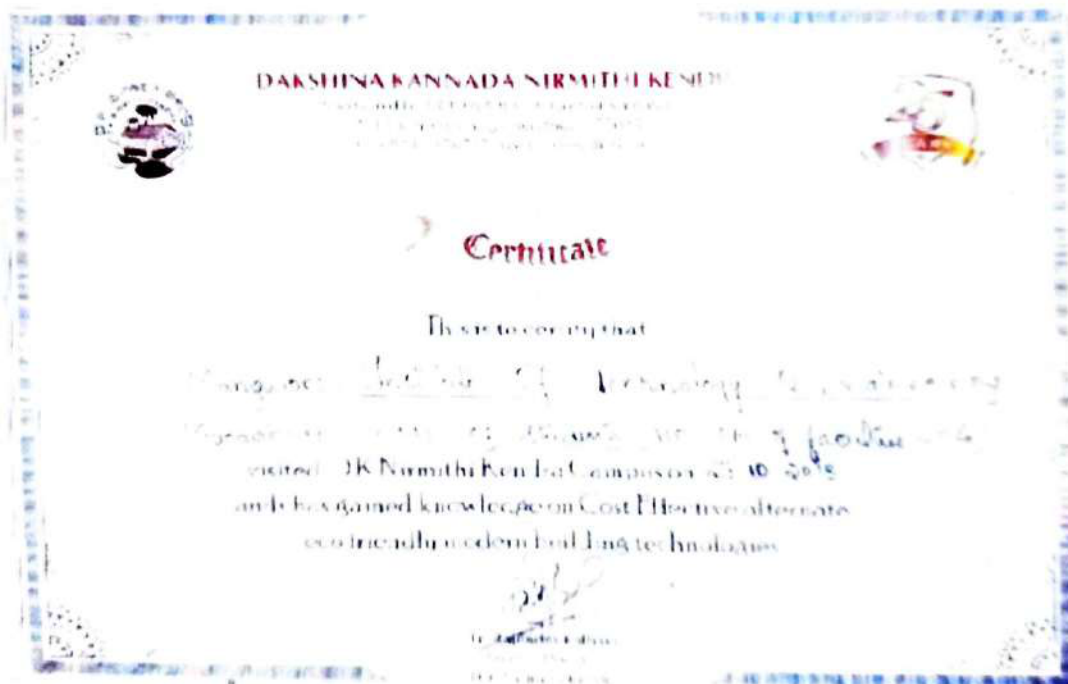


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Badaga Mijar, Moodbidri-574225



**Dr. GANESH MOGAVEER**  
**PROFESSOR & HEAD**  
**DEPT. OF CIVIL ENGG.**  
**MITE,**  
**BADAGA MIJAR, MOODABIDRI - 574225**

# Mangalore Institute of Technology and Engineering

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Badaga Mijar, Moodbidri-574225

## Department of Civil Engineering

### Report on Finishing School

Title: Finishing school for final year students

Resource Person (s)/ Organization (s):

- Er. B V Nagesh, Nagesh Consultant, Bangalore
- Er. K B Keerthan Kumar
- Er. Raviprasad Upadhyaya
- Er. Kalbavi Rajendra Rao
- Er. Raviprasad Upadhyaya
- Er. S B Manjunatha
- Er. Anil Hegde
- Dr. A V Pradeep Kumar
- Dr. Premananda Shenoy
- Er. O Tejamurthy
- Er. Anil Baliga
- Er. Ramesh Babhu
- Er. Vasudev Moorthy
- Er. Umesh Shetty

Date: 08<sup>th</sup> to 15<sup>th</sup> January, 2018

Duration: 09:30 AM to 04:30 PM


No. of Participant: 115

Brief about the event:

Finishing School Programme on Building Construction Practices has been held from 08<sup>th</sup> to 15<sup>th</sup> of January, 2018 for the Final Year students' to make them industry ready professionals.

By having the above mentioned resource persons in the cash sessions which has covered the most of the recent and modern Civil Engineering Concepts and Techniques.

To make the students to aware of the things which are having so much of difference between the theory that they study within the four walls and the big industry outside.

  
**Dr. GANESH MOGAVEER**  
**PROFESSOR & HEAD**  
**DEPT. OF CIVIL ENGG.**

MITE,  
**BADAGA MIJAR, MOODABIDRI - 574225**



## Mangalore Institute of Technology and Engineering

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**Keynotes from the address:** Its been a good encouragement and good explore to the students regarding the current industry outside the syllabus. Modern techniques in construction and demonstration will help them understanding the difference between the theory and current practice.



### *Flitting School Programme* un *Building Construction Practices* (8<sup>th</sup> – 15<sup>th</sup> January 2018)

#### Invited Speakers



E. R. V. Narasimha



Dr. Prasenjit Saha



Subhas Chandra Banerjee



Dr. R. V. Narasimha



Dr. R. V. Narasimha



Dr. R. V. Narasimha



Dr. R. V. Narasimha



Dr. R. V. Narasimha



Dr. R. V. Narasimha



Dr. R. V. Narasimha



Dr. R. V. Narasimha



Dr. R. V. Narasimha



Dr. R. V. Narasimha



Dr. R. V. Narasimha



Dr. R. V. Narasimha







**Supporting Organizations**

**ashirvad**  
by aliaxis





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Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi,  
BadagaMijar, Moodbidri - 574 225  
Mangalore, Dakshina Kannada Dist., Karnataka, INDIA  
www.mite.ac.in

**Center for Continuing Education Cell**  
**Department of Civil Engineering**

# CERTIFICATE

## OF PARTICIPATION

This is to certify that Mr/Ms Vishanth Dsouza  
has participated in the **Finishing School Programme on Building  
Construction Practices & Safety in construction** from April 29<sup>th</sup> to May 4<sup>th</sup> 2019  
organized by the Department of Civil Engineering,

 <b>Prof. Umesh S. S.</b> Chief Co ordinator	 <b>Dr. Ganesh Mogaveer</b> HOD & Organizing Chair	 <b>Dr. G. L. Easwara Prasad</b> Principal
 <b>Dr. D.Venkat Reddy</b> President, Cafet-innova Technical Society	 <b>Er. Kalbavi Rajendra Rao</b> Project Director, D.K. Nirmithi Kendra	 <b>Mr. Deepak Mehrotra</b> Managing Director, Ashirvad Pipes Pvt. Ltd

It's been a good encouragement and a good explore to the students regarding the current industry outside the syllabus. Modern techniques in construction and demonstration will help them understanding the difference between the theory and current practice.

During the visit of Nirmithi Kendra, Mangalore on 24.10.2017; the Er. Rajendra Kalbavi, Project Director, briefed the Description on brick bond and Ferro-cement materials and usage of modern techniques in construction and demonstration on construction of arches and usage of filler slab.



***Industrial Visit to Dakshina Kannada Nirmithi Kendra (In photo: Er. Rajendra Kalbavi, Project Director, Nirmithi Kendra)***



## DAKSHINA KANNADA NIRMITHI KENDRA

(Sponsored by GOI/HUDCO & Govt. of Karnataka)

N.I.T.K, Srinivasnagar, Surathkal-575025.

Ph: 0824-2476727, Web : [www.dknk.org](http://www.dknk.org)

STUDENTS INTERNSHIP TRAINING PROGRAMME 2018



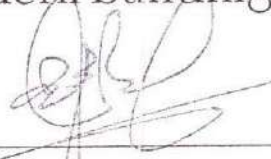
### Certificate

This is to certify that

Ms. Anisha Zainab H.B.

M.T.T.E. Moodabidri

visited D.K.Nirmithi Kendra Campus on 09-07-2018 to 04-08-2018  
and has gained knowledge on Cost Effective alternate  
eco friendly modern building technologies

  
Er. Rajendra Kalbavi  
Project Director  
D.K.Nirmithi Kendra





## DAKSHINA KANNADA NIRMITHI KENDRA

(Sponsored by GOI/HUDCO & Govt. of Karnataka)

N.I.T.K, Srinivasnagar, Surathkal-575025.

Ph:0824-2476727, Web : www.dknk.org

STUDENTS INTERNSHIP PROGRAMME 2018 .

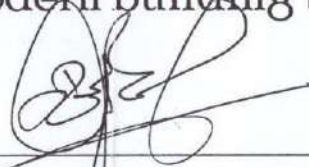


This is to certify that

Mr. Ajay Kotian

M.T.T.E, Moodabidri

visited D.K.Nirmithi Kendra Campus on 09-07-2018 to 04-08-2018  
and has gained knowledge on Cost Effective alternate  
eco friendly modern building technologies

  
Er. Rajendra Kalbavi  
Project Director  
D.K.Nirmithi Kendra



# Mangalore Institute of Technology and Engineering

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Badaga Mijar, Moodbidri-574225

## Report on Industrial Visit

**Title:** Industrial Visit to "DAKSHINA KANNADA NIRMITHI KENDRA"

**Resource Person(s)/Organization(s):** DAKSHINA KANNADA NIRMITHI KENDRA  
(Lr. Rajendra Kalbavi, Project Director)

**Date:** 24/10/2017

**Duration:** 11.00am - 3:30pm


**No. of Participant:** 120

**Brief about the event:** Description on brick bond and ferro-cement materials and usage of modern techniques in construction and demonstration on construction of arches and usage of filler slab.

**Keynotes from the address:** Its been a good encouragement and an good explore to the students regarding the current industry outside the syllabus. Modern techniques in construction and demonstration will help them understanding the difference between the theory and current practice.



*Industrial Visit to Dakshina Kannada Nirmithi Kendra (In photo: Lr. Rajendra Kalbavi, Project Director, Nirmithi Kendra)*

  
Dr. GANESHA MOGAVEER  
PROFESSOR & HEAD  
DEPT. OF CIVIL ENGG.  
MITE,

BADAGA MIJAR, MOODABIDRI - 574225





**MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING**  
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## Finishing School Programme on Building Construction Practices

(8<sup>th</sup> – 15<sup>th</sup> January 2018)

### Invited Speakers

 <b>Er. B.V. Nagesh</b> Nagesh Consultant Bangalore	 <b>Dr. Premanand Shenoy</b> Roy & Shenoy Mangalore	 <b>Er. Kalbavi Rajendra Rao</b> Project Director, D.K. Nirmithi Kendra, Mangalore
 <b>Dr. R. Manikandan</b> Regional Head (Technical) ACC Limited	 <b>Er. Anil Hegde</b> Vimal Anil, Structural Consultant Mangalore	 <b>Er. Keerthan Kumar K.B</b> Deputy General Manager, MCF Mangalore
 <b>Dr. A.V Pradeep Kumar</b> Former Prof. & Head, Dept. of Civil Engg. JNNCE, Shivamogga	 <b>Er. S.B Manjunath</b> Assistant Engineer, PWD Mangalore Circle, Mangalore	 <b>Er. Raviprasad Upadhyaya</b> Consulting Engineer, Moodbidri
 <b>Er. O. Tejamurthy</b> Assistant Manager, Ashirvad Pipes Bangalore	 <b>Er. Anil Baliga</b> Consulting Engineer, Manjeshwar Traders Mangalore	 <b>Dr. Vasudev Murthy</b> Tools Academy Bangalore
 <b>Er. Umesh Shetty</b> Manager(Technical Services), ACC Limited, Mangalore	 <b>Er. Siddhesh R. Kamat</b> Manager, Quality Control and Production, Qerete Ready Mix (India) Pvt Ltd.	 <b>Er. N.V. Ramesh Babu</b> Director, Call for Safety Mangalore

Supporting Organizations




Organised by

**CENTER FOR CONTINUING EDUCATION  
DEPARTMENT OF CIVIL ENGINEERING**



Monday 8<sup>th</sup> Jan 2018





## Mangalore Institute of Technology and Engineering

(An ISO 9001:2015 Certified Institution)

(A Unit of Rajalaxmi Education Trust)

BadagaMijar, Moodbidri-574225

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### Invited Resource Persons:

- Er. B V Nagesh, Nagesh Consultant, Bangalore
- Er. K B Keerthan Kumar
- Er. Raviprasad Upadhyaya
- Er. KalbaviRajendraRao
- Er. Raviprasad Upadhyaya
- Er. S B Manjunatha
- Er. Anil Hegde
- Dr. A V Pradeepkumar
- Dr. Premananda Shenoy
- Er. O Tejamurthy
- Er. Anil Baliga
- Er. Ramesh Babhu
- Er. Vasudev Moorthy
- Er. Umesh Shetty

Dr. GANESH MOGAVEER  
PROFESSOR & HEAD  
DEPT. OF CIVIL ENGG.

BADAGA MIJAR, MOODABIDRI-574225



**Mangalore Institute of Technology & Engineering**

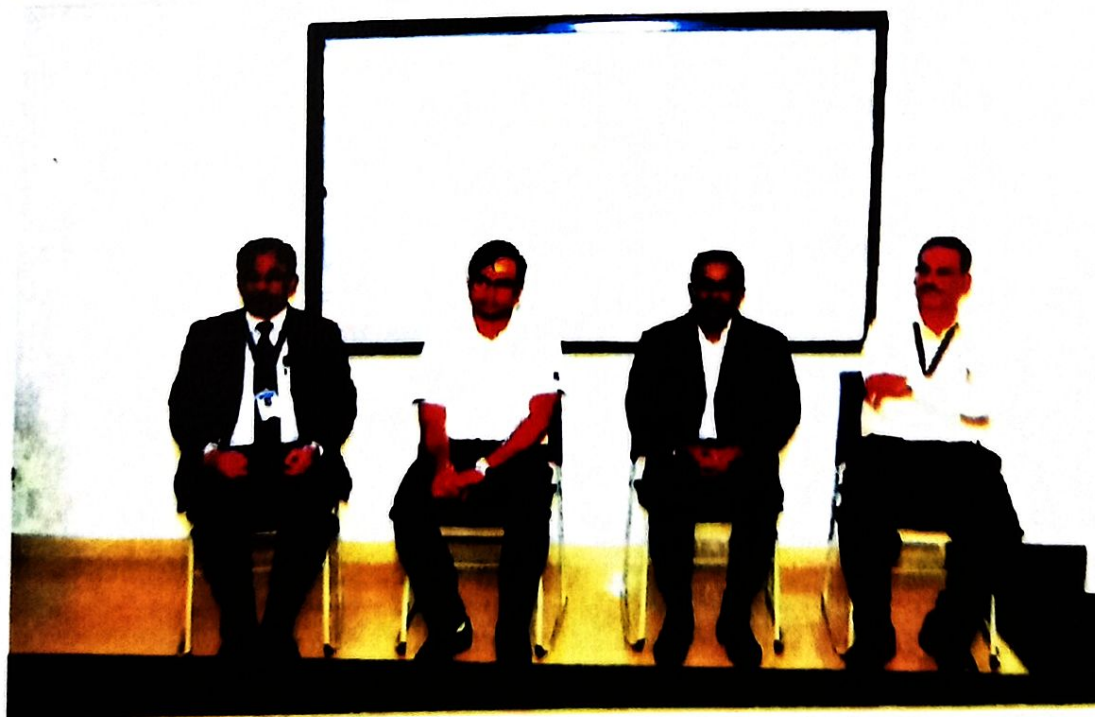
**Department of Mechanical Engineering**

**A Two day faculty development program on "Advances in Industrial Metrology and GD&T"**

A two day faculty development program on "Advances in Industrial Metrology and GD&T" was organized by department of Mechanical Engineering in association with Carl Zeiss, Bangalore on 27<sup>th</sup> and 28<sup>th</sup> July 2018. The objective of the FDP was to give exposure to the faculty members of Mechanical, Mechatronics and Aeronautical Engineering departments on recent developments in Industrial Metrology and advances in Geometric Dimensioning and Tolerancing. The resource persons for this FDP were Mr. Manjunatha Prasad, Manager, Application Industrial Metrology Division and Mr. Avilkumar, Manager, Application - Carl Zeiss India (Bangalore) Pvt Ltd. The session included introduction to Zeiss, types of measurement, GD&T overview, Introduction to Industry 4.0, Advances in Metrology and presentation on few Case studies.

Total of 39 faculty members from Mechanical, Mechatronics and Aeronautical Engineering department participated in the program and gained knowledge on advances in metrology, how industry is moving ahead from conventional metrology to coordinate metrology, introduction to Industry 4.0, changes in the technology etc. They also gave an insight into their quality data management software 'nweb'.

Dr. G L Easwara Prasad, Principal inaugurated the programme and in his inaugural address, stressed on the importance of developing new skills and suggested the participants to share the knowledge they gain from FDP to students. Mr. Saviraj A S welcomed the gathering and Mr. Bhanuprakash H S proposed the vote of thanks.

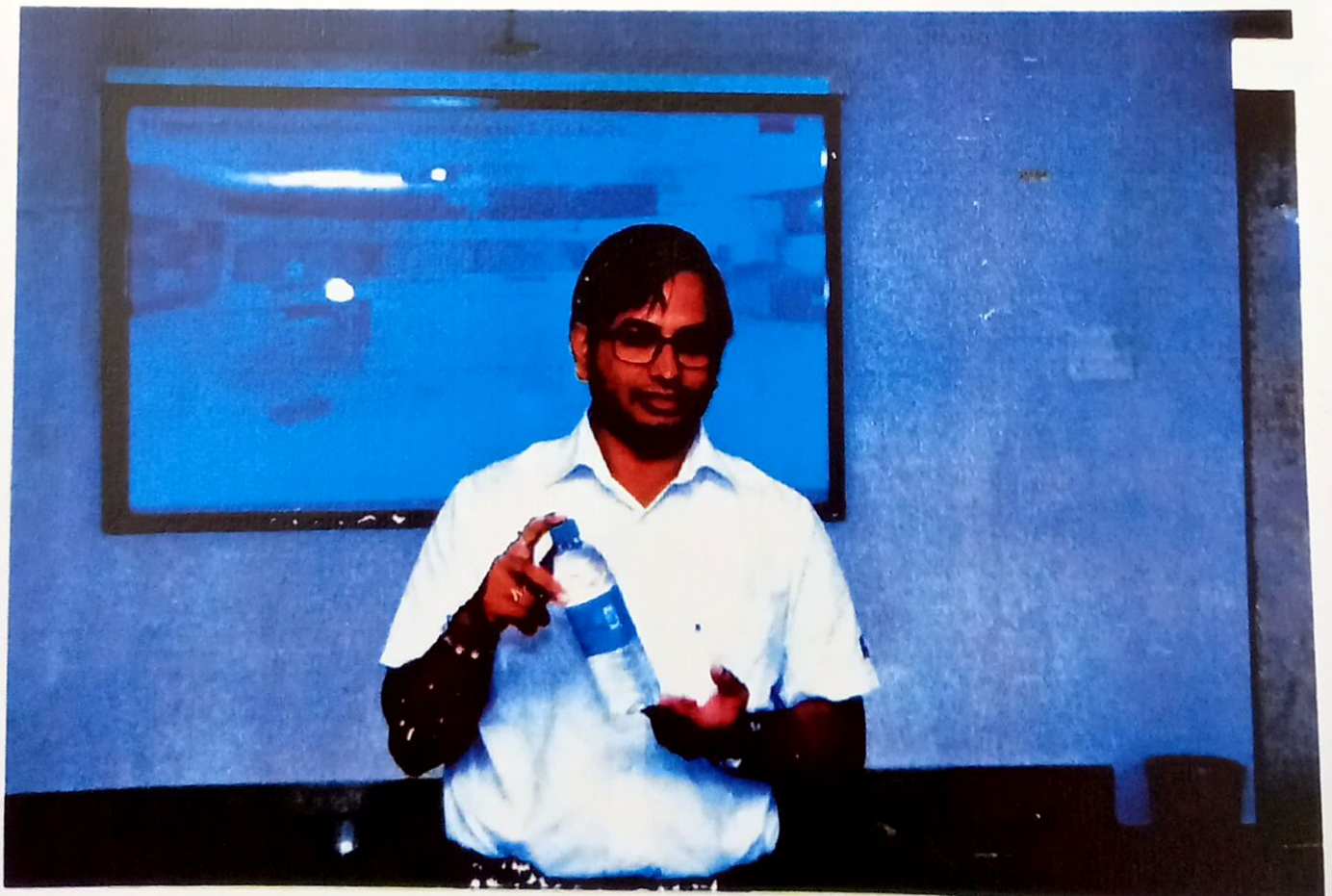


**Inauguration of Faculty Development Programme**



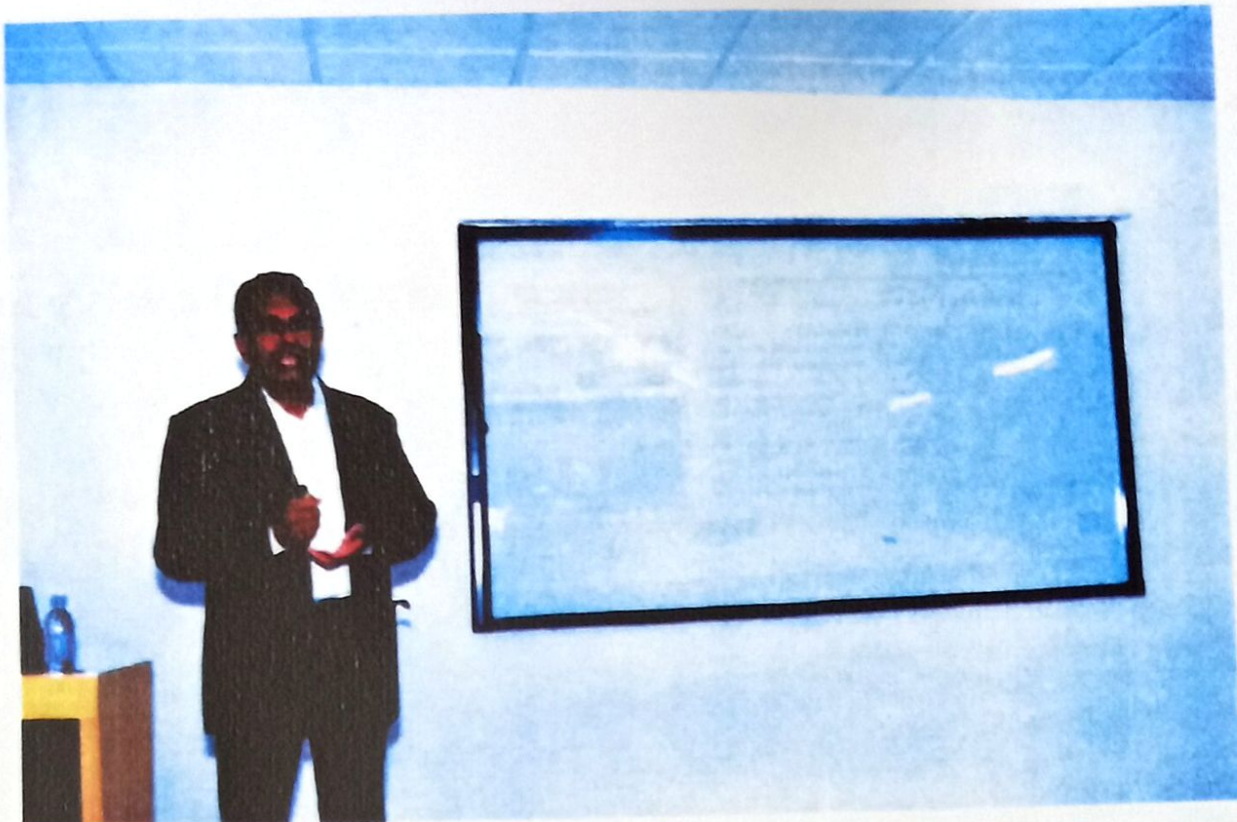


Session on Introduction to types of Measurement by Mr. Avilkumar



Mr. Avilkumar explaining about measurements with example





Session by Mr. Manjunatha Prasad on Inspection requirements in Engineering Industries



Group photo of the participants with the Mr. Manjunath Prasad

*Rasanth*  
 Head of the Dept. of Mechanical Engg.  
 Mangalore Institute of Technology & Engineering  
 Badaga Mijar, MOODBIDRI - 574 225



Head Mech. <hodmec@mite.ac.in>

## Proposal to Organize a Two Day Workshop on "Advances in Industrial Metrology and GD&T"

message

Head Mech. <hodmec@mite.ac.in>

Tue, Jul 17, 2018 at 1:52 PM

To: deanresearch <deanresearch@mite.ac.in>, Principal MITE <principal@mite.ac.in>

Date: 17.7.2018

To

The Chairman,  
IQAC,  
MITE

The department of Mechanical Engineering has planned to organize a Two Day FDP on "**Advances in Industrial Metrology and GD&T**". The objective of the FDP is to give exposure to our faculty members on recent developments in Industrial Metrology and to know advances of Geometry, Dimensioning and Tolerance. The tentative dates of the proposed FDP are 27th and 28th July 2018. This FDP will be organized in association with the "Carl Zeiss", Bangalore under Industry- Institute-Interaction activity. The audience are the faculty of our institute from Mechanical, Mechatronics and Aeronautical Programmes. This proposal is submitted for your kind approval.

Best regards

Dr. Rajashekhar C.R  
Vice Principal and Head of Mechanical Engineering Department,  
Mangalore Institute of Technology & Engineering,  
Badaga Mijar, Moodbidri-574225



# Carl Zeiss India (Bangalore) Pvt. Ltd.

Bommasandra Industrial Area  
Bangalore 560099



**ZEISS**

This is to Certify that


**Mohan Kumar**

---

has participated in the Faculty Development Program on

**“Advances in Industrial Metrology & GD&T”**

Organized by Carl Zeiss, Bangalore at Mangalore Institute of Technology & Engineering, Moodbidri on 27<sup>th</sup> and 28<sup>th</sup> July 2018.



Mr. Prabhakar Kikkeri

National Manager, Automation & Retrofits  
Industrial Metrology Division, Carl Zeiss (Bangalore) Pvt. Ltd.



# CERTIFICATE

This certificate is awarded to

**Trilok Prakash**

for successfully completed internship entitled

**Exposure to dimensional & surface  
Metrology**

in the field of 3D coordinate measurement

organized by

Carl Zeiss India Pvt. Ltd.  
Industrial Quality Solutions Group

From 9<sup>th</sup> July - 8<sup>th</sup> August, 2018



Trainer  
Industrial Quality Solutions  
ZEISS India



National Manager - Services  
Industrial Quality Solutions  
ZEISS India



# CERTIFICATE

This certificate is awarded to

**Shreyas Uchil**

for successfully completed internship entitled

**Exposure to dimensional & surface  
Metrology**

in the field of 3D coordinate measurement

organized by

Carl Zeiss India Pvt. Ltd.  
Industrial Quality Solutions Group

From 9<sup>th</sup> July - 8<sup>th</sup> August, 2018



Trainer  
Industrial Quality Solutions  
ZEISS India



National Manager - Services  
Industrial Quality Solutions  
ZEISS India







## Mangalore Institute of Technology and Engineering

(An ISO 9001:2015 Certified Institution)

(A Unit of Rajalaxmi Education Trust)

Badaga Mijar, Moodbidri-574225

### Report on the industrial visit of Master Plannery

**Title:** "Industrial visit of Master Plannery"

**Date:** 01.09.2018

**Duration:** One Day

**Target Audience:** Third Year Students

**Brief about the event:** The industrial visit

- Fulfill the academic gap between Curriculum and Industry
- Understand the new innovative Construction Methodologies.

**Keynotes from the address:**

**Features of Industrial Visit**

- Manufacture of seaters for the Konkan Railways.
- Manufactures of door, frames, interlocks, wall robes, tables, precaststaircase, domesconstruction, precastslabs, Conewood etc.

**Photographs:**



**Dr. GANESH MOGAVEER**

**PROFESSOR & HEAD**

**DEPT. OF CIVIL ENGG.**

**MITE,**

**BADAGA MIJAR, MOODABIDRI - 574225**



# MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

(An ISO 9001: 2008 Certified Institution)  
(A Unit of Rajasree Education Trust)

Affiliated to V.T.U., Belgaum, Approved by AICTE, New Delhi.

TO,

Er Anand Kumar

Managing Director

Master Plannery,

Puttur, Dakishna Kannada

Date: 21/08/2018

Place: Moodabidri

Dear Sir,

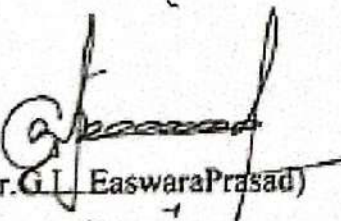
Sub: Request for permission to visit Master Plannery at Puttur.

In compliance with the academic curriculum, 5<sup>th</sup> semester students of Civil Engineering Department would like to visit Master Plannery at Puttur Premises on 01/09/2018, to understand the Construction methodologies in the site and Light weight materials for construction in the Master Plannery. We hope that the visit is Enhance practical knowledge in the site and supplement their classroom learning. The total number of participating students is 118.

We will be Thankful, if you permit our students to visit Master Plannery.


With warm regards

Yours truly,

  
(Dr. G.L. EaswaraPrasad)

Principal

Mangalore Institute of Technology & Engineering  
Badaga Mijar, MOODABIDRI - 574 225

  
(Dr. Ganesh Mogaveer)  
Dr. GANESH MOGAVEER  
Head of the Department  
DEPT. OF CIVIL ENGG.

MITE,  
BADAGA MIJAR, MOODABIDRI - 574225

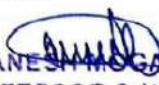


**MITE: DEPARTMENT ACTIVITIES IN THE ACADEMIC YEAR 2016-17**

Industrial visit to Master Plannery, Puttur by 3<sup>rd</sup>sem civil Engineering students on 12-11-2016



*Master Plannery, Puttur, Industrial visit was arranged for second year students*

  
**DR. GANESH MOGAVEER**  
PROFESSOR & HEAD  
DEPT. OF CIVIL ENGG.  
MITE,  
BADAGA MIJAR, MOODABIDRI - 574225



## TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Priyadarshini M.R.**, pursuing her 7<sup>th</sup> Semester of **B.E. (Civil Engineering)** from Mangalore Institute of Technology & Engineering, Moodabidri, has successfully completed **1 week internship program (from 04/07/2016 to 09/07/2016)** at our firm.

During the course of this internship program she has shown keen interest in observing practical facets of various on site construction practices & office planning work as well as production techniques of our unique range of construction products.

We hope that the knowledge acquired here will benefit her in her future career and wish her all the success in life.

For Master Plannery  
Nirmithi Kendra

*A.L.*  
Chairman/Secretary

Date: 09/07/2016



# MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

(An ISO 9001: 2008 Certified Institution)

(A unit of Rajalaxmi Education Trust\*)

Affiliated to V.T.U., Belgaum, Approved by AICTE, New Delhi.

To,

Date: 03/08/2014

**The Proprietor,**

**SAI CADD,**

No. 131, 2nd Floor, 1st Main, 2nd Stage,

Kengeri Satellite Town,

Bangalore - 560060

Respected Sir,

**Sub: "Request for MOU between Department of Civil Engineering of our Institution and SAI CADD, Bangalore"**

I wish to bring to your kind consideration that our Institution Mangalore Institute of Technology and Engineering (MITE) Moodbidri is offering the following programs.

**Undergraduate:**

Aeronautical Engineering, Civil Engineering, Computer Science and Engineering, Electronics and Communications Engineering, Information Science and Engineering, Mechanical Engineering and Mechatronics Engineering

**Post Graduate:**

Computer Network Engineering, Computer Science and Engineering, Digital Electronics and Communications, Nanotechnology, Machine Design, Mechatronics Engineering, VLSI Design and Embedded Systems, Master of Business Administration

**Research Centers:**

Computer Science and Engineering, Mechanical Engineering, Physics and Chemistry.



MOU with Karnataka German Technical Training Institute (KGTI) - Bangalore. (A Govt. of Karnataka Undertaking)

Cell : 99019 95109 / 93413 46619 / Email : manju@saicadd.com / Web : www.saicadd.com

Ref: SAICADD/HRD/2020/029

Date: 08/10/2020

To,  
**SURABHI K**

### APPOINTMENT ORDER

**Dear Mr / Ms. Surabhi K**, Civil Engineer from Mangalore Institute of Technology and Engineering, Moodabidri, Badaga Mijar, Moodabidri – 574225.


We welcome you to **SAI CADD** and looking forward to a mutual beneficial association. We have great pleasure to in appointing you as a **TRAINEE ENGINEER** in our organization. The terms of appointment are enclosed.

You are requested to report to the duty within 10 days from the date of receipt of appointment. You may need to work in some of the company where we have contact within India and Abroad.

Terms of Appointment :

1. Name: Mr / Ms. Surabhi K
2. Designation: Trainee Engineer
3. Consolidated Pay: Rs. 10,000/-
4. Bonus: Eligibility as per the payment of bonus act

Your sincerely,

  
**M. Manjunath Reddy**  
Proprietor







## **Mangalore Institute of Technology and Engineering**

*(An ISO 9001:2015 Certified Institution)*

*(A Unit of Rajalaxmi Education Trust)*

Badaga Mijar, Moodbidri-574225

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### **Department of Civil Engineering**

#### **Report on the Auto CAD training program**

**Title: "Auto CAD training"**

**Resource Person/Organization:** *Er. Manjunath Reddy, SAI CAD centre, Bangalore*

**Date:** 10.07.2018 to 15.07.2018

**Duration:** One Week

**Target Audience:** 2<sup>nd</sup> Year Students

**Brief about the event:** *Auto CAD Certificate Course is being conducting every year for 2<sup>nd</sup> year Civil Engineering students from SAI CAD Centre, Bangalore during the semester vacation. This training program is organized by the Department of Civil Engineering every year.*

**Keynotes from the address:** *During the AUTO CAD training program, experts from SAI CAD Center, Bangalore delivered a lecture in the morning session for the student's. In the afternoon session a hands-on AUTO CAD software training was conducted in the Auto CAD Laboratory of the Department of Civil Engineering, MITE Campus.*

**Photographs:**





## **Mangalore Institute of Technology and Engineering**

*(An ISO 9001:2015 Certified Institution)*

*(A Unit of Rajalaxmi Education Trust)*

Badaga Mijar, Moodbidri-574225



*Lr. Manjunath Reddy, Sai CAD Center, Bangalore, Delivering a lecture at the Week long program and participants of Auto CAD training Program.*

**Dr. GANESH MOGAVEER**

**PROFESSOR & HEAD**

**DEPT. OF CIVIL ENGG.**

**MITE,**

**BADAGA MIJAR, MOODABIDRI - 574225**

## **Auto CAD training Program**

**Date: 10<sup>th</sup> to 15<sup>th</sup> July 2018**

Er. Manjunath Reddy, SAI CAD centre, Bangalore is conducting Auto CAD Certificate Course in every year for 2nd year Civil Engineering students from SAI CAD Centre, Bangalore in the semester vacation. This training program is organizing by Department of Civil Engineering every year.

In the AUTO CAD training program, experts from SAI CAD Center, Bangalore will deliver lecture in the morning session with batch wise student's for the effective learning. In the afternoon session hands-on AUTO CAD software training will be conducting in Auto CAD Laboratory in the Department of Civil Engineering, MITE Campus.



*Er.*



***Manjunath Reddy, Sai CAD Center, Bangalore, Delivering a lecture at the Week long program and student participants of Auto CAD training Program.***

**Dr. GANESH MOGAVEER  
PROFESSOR & HEAD  
DEPT. OF CIVIL ENGG.  
MITE,  
BADAGA MIJAR, MOODASIBERI - 574225**



### 3D Miniature Modeling

Date: 10<sup>th</sup> & 11<sup>th</sup> August 2018

Two days workshop on “3D MINIATURE MODELLING” was organized by the Department of civil Engineering for 5<sup>th</sup> semester students. Workshop developed creativity in the student mind. Students Prepared different models like Eiffel Tower, Suspension Bridge, Fly over, Railway Bridge etc. using Materials like Ice cream Sticks, Cardboard Sheets, Chalk Piece, Glue etc. Total 10 Models were prepared by the students under the guidance of SAI CADD team.



*Er. Manjunath Reddy, Proprietor, SAI CADD inaugurating the two days workshop by lighting the lamp*





*Various 3D Miniature Model prepared by the V semester students*

A handwritten signature in blue ink, which appears to read "Ganesh Mogaveer".

**Dr. GANESH MOGAVEER  
PROFESSOR & HEAD  
DEPT. OF CIVIL ENGG.  
MITE,  
BADAGA MIJAR, MOODABIDRI - 574225**



# **Mangalore Institute of Technology and Engineering**

*(An ISO 9001:2015 Certified Institution)*

*(A Unit of Rajalaxmi Education Trust)*

**BadagaMijar, Moodbidri-574225**

## **Department of Civil Engineering**

### **DEPARTMENTAL ACTIVITIES - 2017-2018**

#### ***ACES - Activities***

From 26.07.2017 to 01.08.2017, Er. Manjunath Reddy, SAI CAD centre, Bangalore is conducting Auto CAD Certificate Course in every year for 2<sup>nd</sup> year Civil Engineering students from SAI CAD Centre, Bangalore in the semester vacation. This training program is organizing by Department of Civil Engineering every year.

In the AUTO CAD training program, experts from SAI CAD Center, Bangalore will deliver lecture in the morning session with batch wise student's for the effective learning. In the afternoon session hands-on AUTO CAD software training will be conducting in Auto CAD Laboratory in the Department of Civil Engineering, MITE Campus.



***Er. Manjunath Reddy, Sai CAD Center, Bangalore, Delivering a lecture in the Week long program of Auto CAD training.***

**Dr. GANESH MOGAVEER  
PROFESSOR & HEAD  
DEPT. OF CIVIL ENGG.  
MITE,**

**BADAGA MIJAR, MOODABIDRI - 574225**



**MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING**  
(An ISO 9001:2008 Certified Institution)

**DEPARTMENT OF CIVIL ENGINEERING**

**DEPARTMENTAL ACTIVITIES - 2016-2017**

***ACES - Activities***

**MITE: DEPARTMENT ACTIVITIES IN THE ACADEMIC YEAR 2016-17**

1. AutoCADD training program by SaiCADD centre, Bangalore was conducted by Mr. Manjunath Reddy and his team for 3<sup>rd</sup> year Civil Engineering students from 18/07/2016 to 25/07/2016 which was co-ordinated by Mr. Yashwanth M K, Asst. Prof. MITE



***Mr. Manjunath Reddy, Sai CADD centre, Bangalore, was conducted AutoCADD training program***

  
**Dr. GANESH MOGAVEER**  
**PROFESSOR & HEAD**  
**DEPT. OF CIVIL ENGG.**  
**MITE.**

**BADAGA WILAR, MOOBAJIDE, 574225**



*Be Agile..Be in Demand*

**Dlithe Consultancy Services Pvt. Ltd.**

CIN: U72900KA2019PTC121035

30th January 2020

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Anushree**, bearing USN No: **4MT17IS008** from **Mangalore Institute of Technology & Engineering, Moodabidri**, has successfully completed internship starting from **08<sup>th</sup> January 2020** to **30<sup>th</sup> January 2020**, under the mentorship of DLithe's technical consultants. Anushree has worked on Machine learning platform, various datasets, self-driving car algorithm using Python programming. The domain & agile development process exposure was given along with usage of GitHub tool.

During the internship, Anushree demonstrated good coding skills with good design thoughts.

We wish all the best for future endeavours!

*Rohin*



For Dlithe Consultancy Services Pvt Ltd  
Director

Certificate ID: DLPML4MT17IS008JAN20

### **TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Mr. Harisha Shettigar of Mangalore Institute of Technology and Engineering, Moodabidri bearing USN 4MT16CS122 has successfully undergone internship at Dlithe from July 08, 2019 to August 05, 2019.

Dlithe focuses on competency development through simulation of corporate culture for students to experience the real time application development.

The topics covered in internship are as follows:

1. Python programming with Data Analytics & Machine learning.
2. Phases of software development life cycle.
3. Understand and implement “Agile Scrum methodology”
4. Understand various domains like Banking and Finance, Insurance, Retail, Manufacturing
5. Requirement analysis
6. Coding and Testing
7. Creation and updating of code repository in Github
8. Business etiquette- Time management, Effective communication

During this period, we found Mr. Harisha Shettigar to be very sincere and hardworking.

We wish all the best for future endeavors!

Regards,

For Dlithe



Authorised Signatory



### **TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Ms. Amulya G.R student of Mangalore Institute of Technology and Engineering, Moodabidri bearing USN 4MT15IS007 has successfully undergone internship at Dlithe from July 08, 2019 to August 05, 2019.

Dlithe focuses on competency development through simulation of corporate culture for students to experience the real time application development.

The topics covered in internship are as follows:


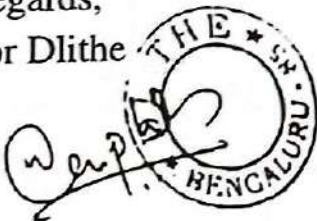
1. Python programming with Data Analytics and Machine Learning
2. Phases of software development life cycle.
3. Understand and implement “Agile Scrum methodology”
4. Understand various domains like Banking and Finance, Insurance, Retail, Manufacturing
5. Requirement analysis
6. Coding and Testing
7. Creation and updating of code repository in Github
8. Business etiquette- Time management, Effective communication

During this period, we found Ms. Amulya G.R to be very sincere and hardworking.

We wish all the best for future endeavors!

Regards,

For Dlithe



Authorised Signatory

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Ms. Akshatha** student of Mangalore Institute of Technology & Engineering, Moodabidri bearing USN 4MT15CS006 has successfully undergone Internship at Dlithe from 09<sup>th</sup> July 2018 to 04<sup>th</sup> August 2018.

Dlithe focusses on competency development through simulation of corporate culture for students to experience the real time application development.

The topics covered in internship are as follows:

1. Python with Machine Learning
2. Phases of software development life cycle
3. Understand and implement "Agile Scrum methodology"
4. Understand various domains like Banking & Finance, Insurance, Retail, Manufacturing
5. Requirement analysis
6. Coding & Testing
7. Creation & updating of code repository in Github
8. Business etiquette – Time management, Effective communication

During this period, we found Ms. Akshatha to be very sincere and hardworking.

We wish all the best for future endeavors!

Regards,  
For Dlithe


Authorised Signatory

Letter: Bc m Chandra

Registered Office :  
No 57, 1st Main, 6th Block, 3rd Stage,  
KSK, Bangalore - 85

Development Office :  
No. 2, 1st Floor, 3rd Phase, KSK, Bangalore - 85  
Opp. to Cafe Coffee Day  
GST No: 29AAFF00371ET2G

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Adarsh Hudedagaddi student of Mangalore Institute of Technology & Engineering, Moodabidri bearing USN 4MT15EC003 has successfully undergone Internship at Dlithe from 09<sup>th</sup> July 2018 to 04<sup>th</sup> August 2018.

Dlithe focusses on competency development through simulation of corporate culture for students to experience the real time application development.

The topics covered in internship are as follows:

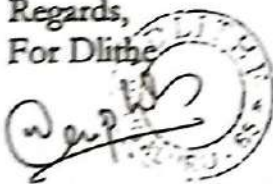
1. Python with Machine Learning
2. Phases of software development life cycle
3. Understand and implement "Agile Scrum methodology"
4. Understand various domains like Banking & Finance, Insurance, Retail, Manufacturing
5. Requirement analysis
6. Coding & Testing
7. Creation & updating of code repository in Github
8. Business etiquette – Time management, Effective communication

During this period, we found Mr. Adarsh Hudedagaddi to be very sincere and hardworking.

We wish all the best for future endeavors!

Regards,

For Dlithe



Authorised Signatory

M: 9731455221 | [www.dlithe.com](http://www.dlithe.com) | [info@dlithe.com](mailto:info@dlithe.com)



TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Varun V Acharya** student of Mangalore Institute of Technology & Engineering, Moodabidri bearing **USN 4MT15IS054** has successfully undergone Internship at Dlithe from 09<sup>th</sup> July 2018 to 04<sup>th</sup> August 2018.

Dlithe focusses on competency development through simulation of corporate culture for students to experience the real time application development.

The topics covered in internship are as follows:

1. Python with Machine Learning
2. Phases of software development life cycle
3. Understand and implement "Agile Scrum methodology"
4. Understand various domains like Banking & Finance, Insurance, Retail, Manufacturing
5. Requirement analysis
6. Coding & Testing
7. Creation & updating of code repository in Github
8. Business etiquette – Time management, Effective communication

During this period, we found Mr. Varun V Acharya to be very sincere and hardworking.

We wish all the best for future endeavors!

Regards,  
For Dlithe


Authorised Signatory

**INTERNSHIP CERTIFICATE**

This is to certify that Mr. Vishnu P K, a student of Mangalore Institute of Technology & Engineering, Moodabidri bearing the USN 4MT16CS116 has successfully undergone the internship on "Analytics with Python" conducted by Heraizen Technologies. This internship was conducted in two phases: Phase 1 - 14<sup>th</sup> July 2019 to 12<sup>th</sup> August 2019 & Phase 2- 27<sup>th</sup> January 2020 to 14<sup>th</sup> February 2020.

This internship program focused on:

1. Setting up the Development Environment and working with source code repositories (Anaconda, Visual Studio Code, Github)
2. Fluent understanding of Python
3. Working with NoSQL DB, and PyMongo
4. Working with Scientific Computing, Data Manipulation and Analysis using Numpy, Pandas, Scikit
5. Working with RESTful Web Services using Flask
6. Developing webpages using Angular with Bootstrap
7. Developing the Project using Cloud Services - Heroku and Firebase
8. Understanding the process of Requirements Gathering, Design and Implementing the Project while collaborating with the team
9. Documentation and Presentation of Project

During this internship, we found Vishnu P K to be very sincere and hardworking.

We wish him the very best for future endeavours.



Venkatesh N

General Manager, Heraizen Technologies Pvt. Ltd.

### INTERNSHIP CERTIFICATE

This is to certify that Ms. Akshatha, a student of Mangalore Institute of Technology and Engineering, Moodabidri bearing the USN 4MT15EC006 has successfully undergone the internship on "UI Development" conducted by Heraizen Technologies from 9<sup>th</sup> July, 2018 to 1<sup>st</sup> August, 2018.

This internship program focused on:

1. Setting up the Development Environment and working with source code repositories (*Visual Studio Code, Bitbucket*)
2. Developing webpages using *HTML, CSS, JavaScript, AJAX, jQuery, Bootstrap*
3. Understanding the phases of Requirements Gathering, Design, and Implementation in a project
4. Developing real-world mobile first application using *Bootstrap*
5. Inculcating the clean code and best programming practices
6. Collaboration between project team members
7. Documentation and presentation of the project work

During this internship, we found Akshatha to be very sincere and hardworking.

We wish her the very best for future endeavors.



Venkatesh N  
General Manager, Heraizen Technologies Pvt. Ltd.



**INTERNSHIP CERTIFICATE**

This is to certify that **Ms. Pragathi Vijaya N V**, a student of Mangalore Institute of Technology and Engineering, Moodabidri bearing the **USN 4MT16CS059** has successfully undergone the internship on "UI Development" conducted by Heraizen Technologies from 9<sup>th</sup> July, 2018 to 1<sup>st</sup> August, 2018.

This internship program focused on:

1. Setting up the Development Environment and working with source code repositories (*Visual Studio Code, Bitbucket*)
2. Developing webpages using *HTML, CSS, JavaScript, AJAX, jQuery, Bootstrap*
3. Understanding the phases of Requirements Gathering, Design, and Implementation in a project
4. Developing real-world mobile first application using *Bootstrap*
5. Inculcating the clean code and best programming practices
6. Collaboration between project team members
7. Documentation and presentation of the project work

During this internship, we found **Pragathi** to be very sincere and hardworking.

We wish her the very best for future endeavors.



Venkatesh N  
General Manager, Heraizen Technologies Pvt. Ltd.

2018-19

4MT16IS026



### INTERNSHIP CERTIFICATE

This is to certify that **Ms. Poorvika N N**, a student of Mangalore Institute of Technology and Engineering, Moodabidri bearing the **USN 4MT16IS026** has successfully undergone the internship on "UI Development" conducted by Heraizen Technologies from 9<sup>th</sup> July, 2018 to 1<sup>st</sup> August, 2018.

This internship program focused on:

1. Setting up the Development Environment and working with source code repositories (*Visual Studio Code, Bitbucket*)
2. Developing webpages using *HTML, CSS, JavaScript, AJAX, jQuery, Bootstrap*
3. Understanding the phases of Requirements Gathering, Design, and Implementation in a project
4. Developing real-world mobile first application using *Bootstrap*
5. Inculcating the clean code and best programming practices
6. Collaboration between project team members
7. Documentation and presentation of the project work

During this internship, we found **Poorvika** to be very sincere and hardworking.

We wish her the very best for future endeavors.

**Venkatesh N**  
General Manager, Heraizen Technologies Pvt. Ltd.

10<sup>th</sup> June 2020

To Whomsoever It May Concern

This is to certify that Joy Ashly Dsouza has undergone internship with our organization from 7<sup>th</sup> January 2020 to 18<sup>th</sup> March 2020 in our Technology team.

During his tenure we found him to be hardworking and productive.

We at Servify wish him all the success in his future endeavors.

For  
Service Lee Technologies Pvt. Ltd.



Sreevathsa P  
Founder



# mobiezy

## ***INTERNSHIP CERTIFICATE***


This certificate is presented to

**SHASHAN RAM K BHAT**

Has successfully completed Internship on mobile app development using Flutter technology at Bangalore from 8<sup>th</sup> January, 2020 to 7<sup>th</sup> February, 2020. We found him sincere, hardworking, dedicated and result oriented. He worked well as part of the team during his tenure.

We take this opportunity to thank him and wish him all the success in his future endeavors

Date: 07-Feb-2020

  
Raghavendra Ganiga

# mobiezy

## **INTERNSHIP CERTIFICATE**

This certificate is presented to


**AKSHAY A S**

Has successfully completed Internship on mobile app development using Flutter technology at Bangalore from 8<sup>th</sup> January, 2020 to 7<sup>th</sup> February, 2020.

We found him sincere, hardworking, dedicated and result oriented. He worked well as part of the team during his tenure.

We take this opportunity to thank him and wish him all the success in his future endeavors

Date: 07-Feb-2020

  
Raghavendra Ganiga

# Numentrix Consulting

Date: 8<sup>th</sup> December 2020

From,

Mr. Praveen M P

**NUMENTRIX CONSULTING LLP (NCL),**


#332, VI Main, 1stage , KHB Colony, Bangalore 560079

Dear Sir

**NUMENTRIX CONSULTING LLP** is a Bengaluru based company involved in the development of AI based products for manufacturing. With a combined experience of over 35 years in the supply chain industry and niche focus in cutting edge AI, the company has developed a wide array of expertise in delivering state-of-the-art solutions in the field of supply chain analytics.

This is to inform you that we are willing to offer internship to any two suitable only real interested students in the area of AI for inventory. Please share my contact details to them to take internship in our area of work. We suggest students to take online internship.

I

For NUMENTRIX CONSULTING LLP  
  
PARTNER

Mr. Praveen M P



Date: 9<sup>th</sup> December 2020

From,  
Dr M Lokesha,  
Prof. & Head, Department of Mechatronics Engineering  
**MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING (MITE),**  
Moodabidri.

To,  
Mr. Praveen M P  
**NUMENTRIX CONSULTING LLP (NCL),**  
#332, VI Main, I stage , KHB Colony, Bangalore 560079

Dear Sir,,

Subject: Internship to students

We take this opportunity to express our sincere gratitude for associating with us for giving internship to our students. Your expertise and knowledge will add a great value to our students, especially the budding engineers of the country who require the guidance and path-breaking ideas to lead their way.

Please find attached the list of students who are interested in taking internship training from your esteemed organization.

- 1) Mr. SURAJ N
- 2) Mr. SABITH AHAMED MANEGAR

Thanking you once again,

With Warm Regards



Dr M Lokesha

Head of the Dept. of Mechatronics Engg  
Mangalore Institute of Technology & Engineering  
Badaga Mijar MOODBIDRI 574225

# Numentrix Consulting

## INTERNSHIP CERTIFICATE

This is to certify that Mr. SURAJ N of Mechatronics Engineering final year student from Mangalore Institute of Technology & Engineering has successfully completed the internship from 15<sup>th</sup> December 2020 to 28<sup>th</sup> December 2020 at **NUMENTRIX CONSULTING LLP (NCL), Bangalore.**

During the internship Mr. SURAJ N has familiarized with the programming concepts & skills in the area of optimization of supply chain analytics

We wish Mr. SURAJ N all the best in this future endeavors.

For NUMENTRIX CONSULTING LLP  
  
PARTNER

## **Numentrix Consulting**

### **INTERNSHIP CERTIFICATE**

This is to certify that Mr. SABITH AHAMED MANEGAR of Mechatronics Engineering final year student from Mangalore Institute of Technology & Engineering has successfully completed the internship from 15<sup>th</sup> December 2020 to 28<sup>th</sup> December 2020 at **NUMENTRIX CONSULTING LLP (NCL), Bangalore.**

During the internship Mr. SABITH AHAMED MANEGAR has familiarized with the programming concepts & skills in the area of optimization of supply chain analytics

We wish Mr. SABITH AHAMED MANEGAR all the best in this future endeavors.

For NUMENTRIX CONSULTING LLP  
  
PARTNER



## WEBINAR ON 10<sup>TH</sup> OCTOBER 2020

<b>Title</b>	<b>BALANCING &amp; FAULT DIAGNOSIS IN INDUSTRIAL MACHINES USING FFT ANALYZER</b>
<b>Date &amp; Day</b>	10 <sup>th</sup> October 2020, Saturday
<b>Duration</b>	Morning Session :10AM to 12:20PM
<b>Venue / Mode of conduction</b>	Online through google meet platform with id as <a href="https://meet.google.com/uhm-yptd-uig">https://meet.google.com/uhm-yptd-uig</a>

### **Resource person**

**Name**



**Designation**

Mr. Madhusudhan Nagaraj  
ISO CAT-2 Vibration Analyst

**Organisation & contact details**

Diagnostic Engineers  
18, 14th Main Road, Nandadeepa LIC Colony, MCLayout, Vijayanagar, Bengaluru-560040  
Cell: 98454 28909

**Topics covered**

- Basic Introduction to vibrations and vibration signature analysis
- Concept of FFT
- Vibration analysis,
- trouble shooting of rotating machines,
- natural frequency tests,
- structural vibrations,
- Rotor dynamics,
- What is balancing and why is it required
- Balancing of rotor
- Single and Two plane balancing
- on-site balancing
- Balancing industrial case studies
- Demo on on-site balancing using small rotor kit

### **Extract from the webinar**

The webinar was arranged for Final year Mechatronics and pre-final year Mechatronics and Mechanical Engineering students. The webinar was hosted by Mr. Glenon Tony.

The webinar started on time at 10 AM with a brief on the following

- Importance of webinar for young engineering students
- Highlight on Balancing and fault diagnosis in industrial rotating machines

Dr. M Lokesh, Professor & Head, Department of Mechatronics has welcomed & introduced the resource person to the august gathered participants.

The webinar started with discussion on basics of vibration, including simulation of spring-mass-damper system. Importance of vibration reduction and its use in industrial machines were covered

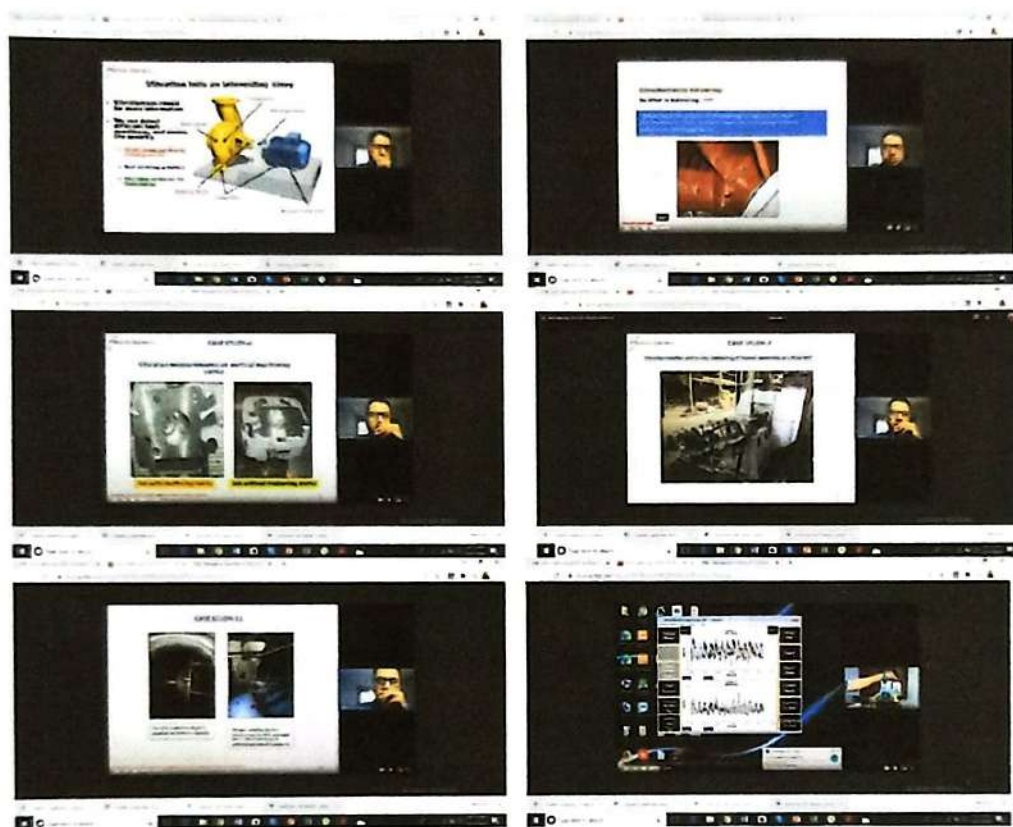
with damping effects. The basics of vibration was covered in detail along with free vibration, damped vamped and forced vibration. The resource person discussed single plane balancing, two plane balancing concepts and other related balancing techniques.

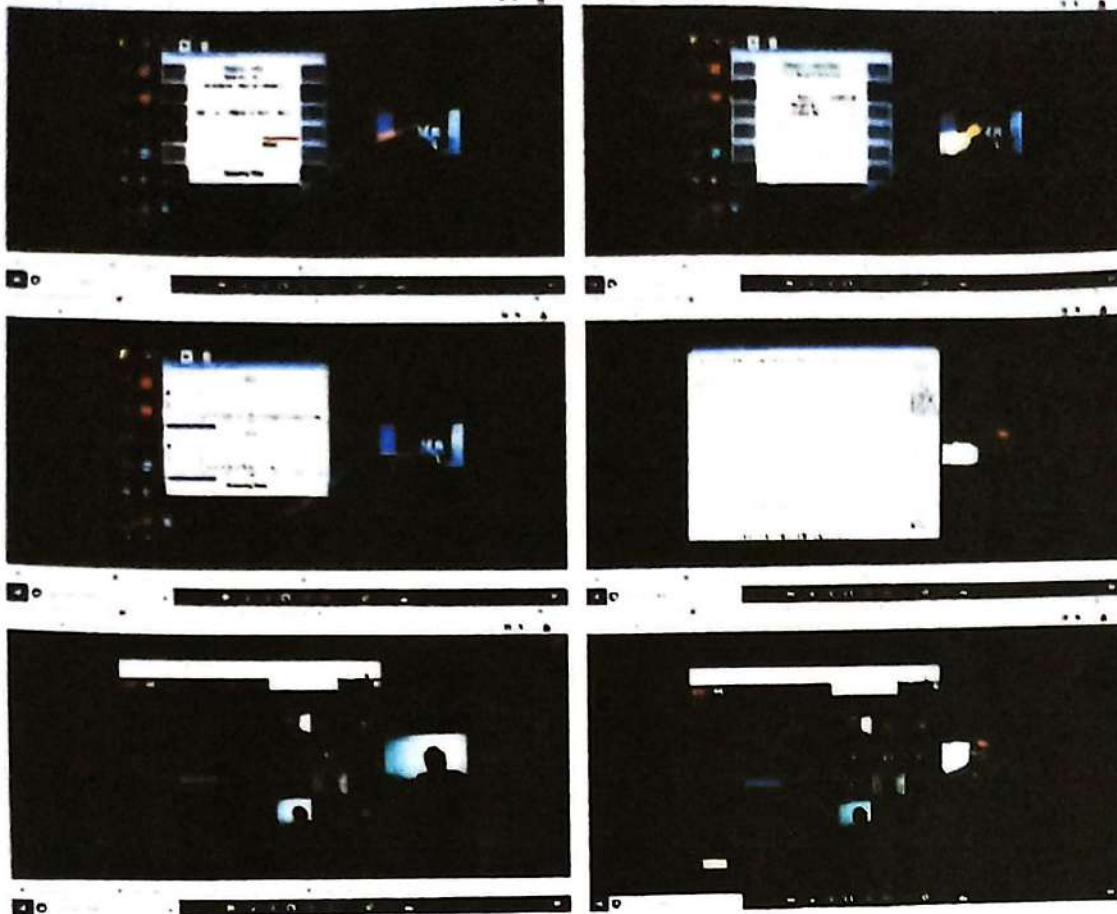
A wide number of major case studies handled by resource person, during his 20 years of professional career, was presented to participants.

The resource person has used fault simulator named as "Rotor kit" for depicting realistic vibration data & its collection procedure and also, its analysis using FFT analyzer. The vibration data collection using DAQ system and its corresponding FFT spectrum during on site vibration monitoring was demonstrated very clearly to participants simulating industrial maintenance activities.

Participants expressed their contentment after participating in the webinar.

Some of the photographs taken during webinar are attached below.





**Question and answers** Participants raised the following questions for which resource person provided complete clarity :

- 1) What is meant by dynamics absorbers and its importance while balancing?
- 2) How to do two plane balancing?
- 3) How to avoid resonance in practical situation and what happens at resonance?

**CO & PO Mapped** CO:17MT45- C213.1  
PO:PO1,PO2, PO5

**Conclusions** Webinar was concluded with final words from Dr. M. Lokesha on webinar and vote of thanks was presented by the host Mr. Glenison Tony.

**Invitation & acceptance by Resource person**

*M. Lokesha*  
Head of the Dept. of Mechatronics Engg  
Mangalore Institute of Technology & Engineering  
Badaga Mijar MOOBBIDRI 574225



Date: 2<sup>nd</sup> December 2020

From,  
Mr. Madhusudan,  
**DIAGNOSTIC ENGINEERS (DE),**  
18,14th Main Road, Nandadeepa LIC Colony,  
MCLayout,Vijayanagar, Bengaluru-560040

Dear Professor M Lokesha,

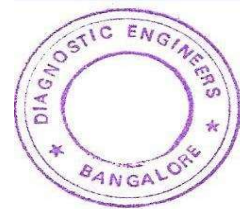
As you know **DIAGNOSTIC ENGINEERS** is a Bengaluru based company involved in Vibration Data collection & data interpretation, Diagnosis and trending of rotating machinery and bearing health condition. Diagnostic engineers also having rich experience in on-site Balancing of high speed spindles, industrial fans, motors, turbines and generators at site condition, Trouble shooting and failure investigation of rotating machines, Natural frequency measurements of turbine blades, Sound spectrum analysis

This is to inform you that, if you find any suitable real interested students in your institution, you can send them for internship to learn more in the area of diagnostic engineering.

Please let me know any interested talented students. Also, it is better, if they are willing to take internship even online mode.

A handwritten signature in blue ink, appearing to read 'Madhusudan'.

Mr.Madhusudhan





# MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

An ISO 9001: 2015 Certified Institution, Accredited by NAAC  
(A unit of Rajalaxmi Education Trust®)

Affiliated to V.T.U., Belagavi, Approved by AICTE, New Delhi.

Date: 4<sup>th</sup> December 2020

From,  
Dr M Lokesh,  
Prof & Head, Department of Mechatronics Engineering  
**MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING (MITE),**  
Moodabidri.

To,  
Mr. Madhusudan,  
**DIAGNOSTIC ENGINEERS (DE),**  
18,14th Main Road, Nandadeepa LIC Colony,  
MCLayout, Vijayanagar, Bengaluru-560040

Dear Sir,

Subject: Internship to students

We take this opportunity to express our sincere gratitude for associating with us for giving internship to our students. Your expertise and knowledge will add a great value to our students, especially the budding engineers of the country who require the guidance and path-breaking ideas to lead their way.

Please find attached the list of students who are interested in taking internship training from your esteemed organization.

- 1) Mr. Muaz
- 2) Mr. Mohhamed Zohaib Kolkar
- 3) Mr. Prathish C Suvarna

Thanking you once again,

With Warm Regards

Dr M Lokesh

Head of the Dept. of Mechatronics Engg  
Mangalore Institute of Technology & Engineering  
Badaga Mijar MOODBIDRI 574225

This is to certify that Mr. Muaz of Mechatronics Engineering final year student from Mangalore Institute of Technology & Engineering has taken the internship training from 9<sup>th</sup> December 2020 to 22<sup>nd</sup> December 2020 at **DIAGNOSTIC ENGINEERS, Bangalore.**

During the internship Mr. Muaz has familiarized with the methodology of vibration data collection and fault diagnosis concepts.

We wish Mr. Muaz all the best in this future endeavors.

A handwritten signature in blue ink, appearing to read 'Madhusudhan'.

Mr.Madhusudhan





This is to certify that Mr. Mohhamed Zohaib Kolkar of Mechanical Engineering final year student from Mangalore Institute of Technology & Engineering has taken the internship training from 9<sup>th</sup> December 2020 to 22<sup>nd</sup> December 2020 at **DIAGNOSTIC ENGINEERS, Bangalore.**

During the internship Mr. Mohhamed Zohaib Kolkar has familiarized with the methodology of vibration data collection and fault diagnosis concepts.

We wish Mr. Mohhamed Zohaib Kolkar all the best in this future endeavors.

A handwritten signature in blue ink, appearing to read 'Madhusudhan'.

Mr.Madhusudhan



This is to certify that Mr. Prathish C Suvarna of Mechatronics Engineering final year student from Mangalore Institute of Technology & Engineering has taken the internship training from 9<sup>th</sup> December 2020 to 22<sup>nd</sup> December 2020 at **DIAGNOSTIC ENGINEERS, Bangalore.**

During the internship Mr. Prathish C Suvarna has familiarized with the methodology of vibration data collection and fault diagnosis concepts.

We wish Mr. Prathish C Suvarna all the best in this future endeavors.

A handwritten signature in blue ink, consisting of stylized, cursive letters.

Mr.Madhusudhan



**Undertaking from collaborating Industries/Agencies (Partner 1)**

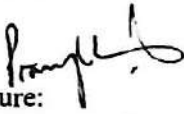
1. Name of Agency: **Paradigm Environmental Strategies (P) Ltd. (Ecoparadigm), Bangalore.**
2. I have gone through the Project Proposal entitled APPLICATION OF ARTIFICIAL INTELLIGENCE (AI) CONCEPT FOR ENSURING SEGREGATION OF WASTE AT THE SOURCE submitted by Dr. Jayaprakash M C and Dr. M Loksha of Mangalore Institute of Technology & Engineering for DST funding and I hereby affirm that my Organization/ Company is committed to participate in the Project to the full extent as indicated in the Project Proposal including the technical and financial commitments described in the project proposal.

Name & Designation:

Date: 27.11.2020

**Er. Pravinjith K P**  
**Managing Director**

Signature:



Place: Bangalore

Stamp/ Seal:



**#PaveTheGreenWay with Us**

Paradigm Environmental Strategies (P) Ltd.  
#150, 2nd Main, ST Bed Layout, Koramangala  
4th Block, Bengaluru - 560 034

T: +91 80 2550 7454  
W: [www.ecoparadigm.com](http://www.ecoparadigm.com)  
E: [info@ecoparadigm.com](mailto:info@ecoparadigm.com)





Ministry of Science & Technology  
Government of India

## **Project Proposal On**

***"APPLICATION OF ARTIFICIAL INTELLIGENCE AI CONCEPT FOR  
ENSURING SEGREGATION OF WASTE AT THE SOURCE"***

**Submitted to**

**Division :**Technology Development Transfer

**Programme or Scheme :** Waste Management Technologies

**Submitted by**

**Project Investigator:**

Dr. JAYAPRAKASH M C

MANGALORE INSITUTE OF TECHNOLOGY AND ENGINEERING-  
Moodbidri



pacewisdom

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Mr. Swaroop R M** has worked in our organization as an Intern from January, 2020 to February, 2020. His work was concentrated on Angular JS domain.

During this period, we found him to be very sincere and hardworking. He was always willing to accept additional responsibilities and showed lots of interest in his work. He is well mannered and is very pleasant to work with.

We wish him all the success in future.

**Mohammed Azzan Patni**  
Director, Pace Wisdom Solutions Pvt. Ltd.



pacewisdom

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Mr. Darshan Patil BP** has worked in our organization as an Intern from July 08, 2019 to August 09, 2019. His work was concentrated on React JS and Node JS.

During this period, we found him to be very sincere and hardworking. He was always willing to accept additional responsibilities and showed lots of interest in his work. He is well mannered and is very pleasant to work with.

We wish him all the success in future.

**Mohammed Azzan Patni**  
**Director, Pace Wisdom Solutions Pvt. Ltd.**





pacewisdom

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Mr. Amogh A Rao**, a student of Mangalore Institute of Technology and Engineering, Moodabidri bearing the register number **4MT15IS005** has worked in our organization as an intern from July 05, 2018 to August 05, 2018. His work was concentrated on Web Scrapping and Web Crawling.

During this period, we found him to be very sincere and hardworking. He was always willing to accept additional responsibilities and showed lots of interest in his work. He is well mannered and is very pleasant to work with.

We wish him all the success in future.

---

**Mohammed Azzan Patni**  
Director, PACE Wisdom Solutions Pvt. Ltd.



pacewisdom

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Mr. Achal R Poonja**, a student of Mangalore Institute of Technology and Engineering, Moodabidri bearing the register number **4MT15IS002** has worked in our organization as an intern from January 07, 2018 to February 08, 2018. His work was concentrated on Node JS. Express and RESTful services.

During this period, we found him to be very sincere and hardworking. He was always willing to accept additional responsibilities and showed lots of interest in his work. He is well mannered and is very pleasant to work with.

We wish him all the success in future.

---

**Bharath Jatangi**  
Director, PACE Wisdom Solutions Pvt. Ltd.

### INTERNSHIP CERTIFICATE

This certificate is presented to the following students of Mangalore Institute of Technology & Engineering, in recognition of outstanding accomplishments and contributions for the internship program from 16 January 2017 to 27 January 2017.

Sl No	USN	Name
1	4MT13CS041	Greeshma
2	4MT13CS043	Heena Parveen
3	4MT13CS047	Khushboo Rani
4	4MT13CS049	Krithi
5	4MT13CS050	Kumar Abhinav
6	4MT13CS058	Movin Vallish Cardoza
7	4MT13CS059	Nagendra Prasad N
8	4MT13CS065	Nithish Dongre T
9	4MT13CS070	Pooja Rao
10	4MT13CS084	Rakshith Kamath B
11	4MT13CS086	Rithwika S

During this period, we found students to be sincere, diligent and hardworking

We wish them all the best in future ventures.

Yours Truly,

For Juego Studio Pvt Ltd



Suman BK

CEO



## INTERNSHIP CERTIFICATE

This certificate is presented to the following students of Mangalore Institute of Technology & Engineering, in recognition of outstanding accomplishments and contributions for the internship program from 04 January 2016 to 28 January 2016.

Sl No	USN	Name
1	4MT12CS004	ACHARYA KIRAN UMESH
2	4MT12CS007	AJAY SHENOY R
3	4MT12CS017	ANKITH DAMODAR BANGERA
4	4MT12CS018	ANKITHA
5	4MT12CS019	ANUSHA
6	4MT12CS023	ARSHAQ SHABEER
7	4MT12CS024	ASHWINI K RAO
8	4MT12CS025	ASWIN V K
9	4MT12CS027	AVITA JOYLINE DSOUZA
10	4MT12CS029	BHAVANI SHANKAR
11	4MT12CS031	CHETHANA R BHAGWATH K
12	4MT12CS035	DISHA CHANDRASHEKAR

During this period, we found students to be sincere, diligent and hardworking  
We wish them all the best in future ventures.

Yours Truly,

For Juego Studio Pvt Ltd



Suman BK

CEO

**For Part-5 Documents**

**[Click here](#)**