

## 6.5.2

**The institution reviews its teaching-learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities**

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## **CASE STUDY-I**

# **Enrichment of Teaching -Learning Process**



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# **STUDENT FEEDBACK**

**2019-2020**



# Structured Feedback from Students

## 2019-20

204 responses

[Publish analytics](#)

USN

204 responses

4MT16EC054

4MT16EC088

4mt16ec075

4MT16EC012

4MT16EC002

4MT16EC057

4Mt16ec041

4MT16EC087

4MT16EC062

## Name

204 responses

Nidhi Shetty

Srujana M

Sanjay T R

Amrutha

ABHIJITH P

Pavan M Shetty

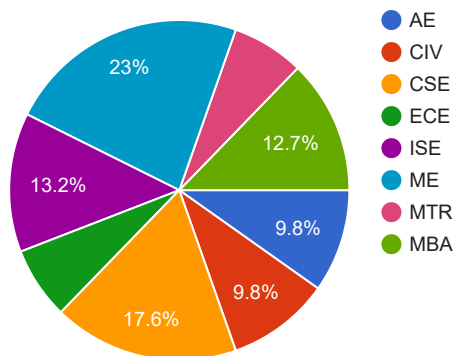
Khalid mohidin mohammed

Srinidhi S

Rahul Krishnanand Naik

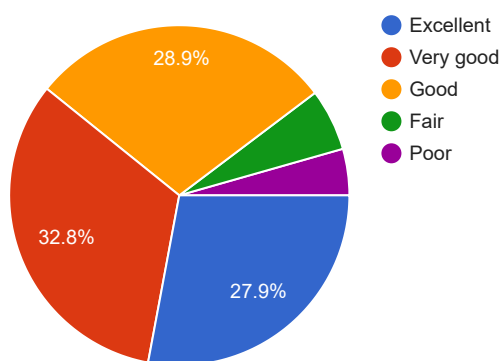
## Department

204 responses



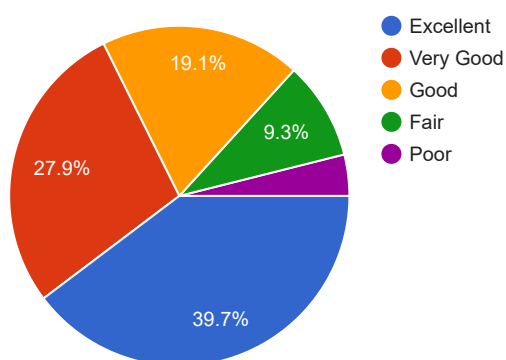
### 1.How do you rate Programme in terms of the Curriculum Syllabi in different semesters?

204 responses



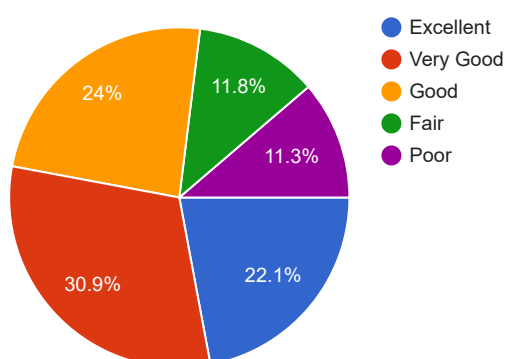
### 2.How do you rate the availability of the text books and reference books in the library?

204 responses



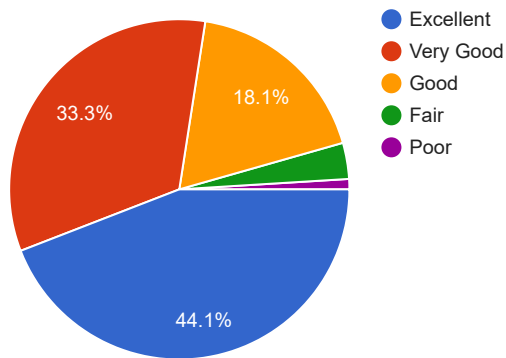
### 3.How do you rate courses in terms of their relevance to the latest and /or future technologies?

204 responses



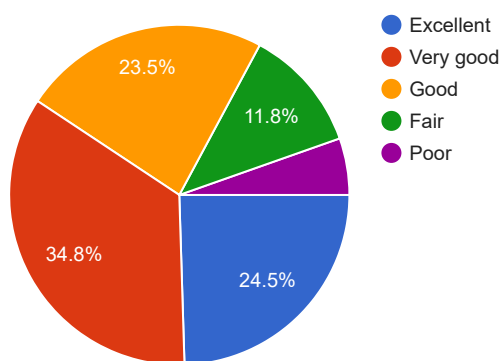
#### 4.How do you rate ambience of the class rooms for effective delivery of the lectures?

204 responses



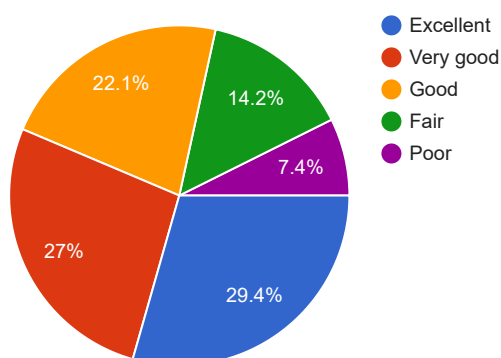
#### 5.How do you rate the quality and the relevance of the courses prescribed into the curriculum?

204 responses



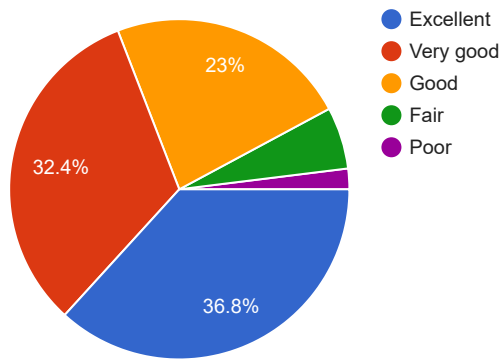
#### 6.How do you rate Institute activities that help in getting jobs and placements?

204 responses



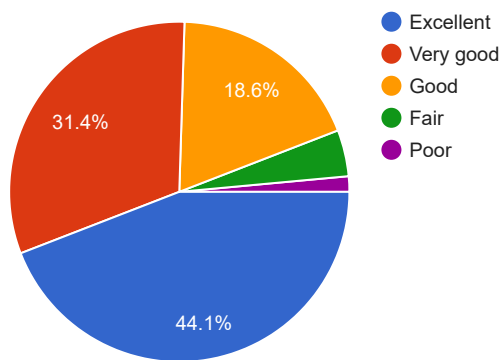
### 7.How do you rate quality of teaching during the entire programme?

204 responses



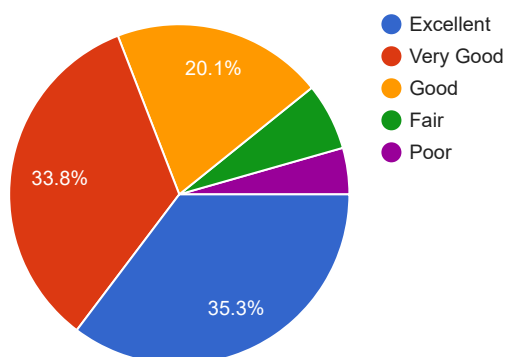
### 8.How do you rate teacher's approach about your overall development?

204 responses



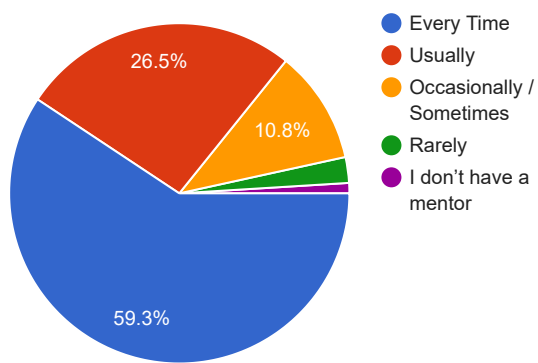
### 9.How do you rate transparency of the evaluation system in the Institution?

204 responses



10. Mentor does a necessary follow-up with you regarding the assigned task to you.

204 responses



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Google Forms



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# **ALUMNI FEEDBACK**

## **2019-2020**



# Structured Feedback from Alumni 2019-20

108 responses

[Publish analytics](#)

## Name

108 responses

Chetana P Naik

Sana Parveen Salar

NIVEDANA

Nidhi Dayanand

Bhakthi Shetty

Darrel Reesha Pinto

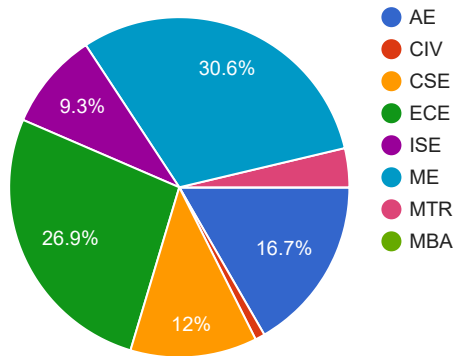
Ashwini

K P VISHAL KUMAR

Kaushik S

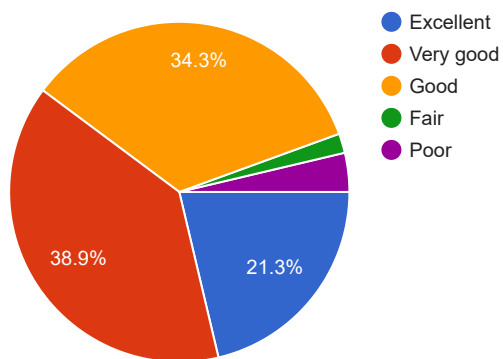
## Department

108 responses



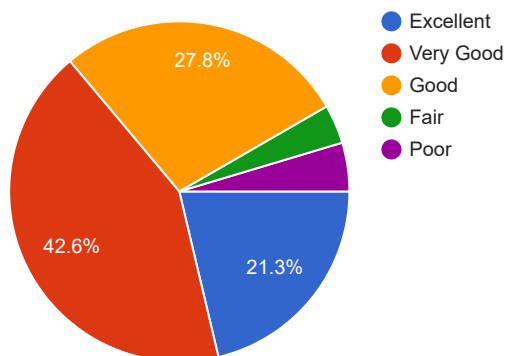
## 1. Quality of course content including the project work during your entire programme

108 responses



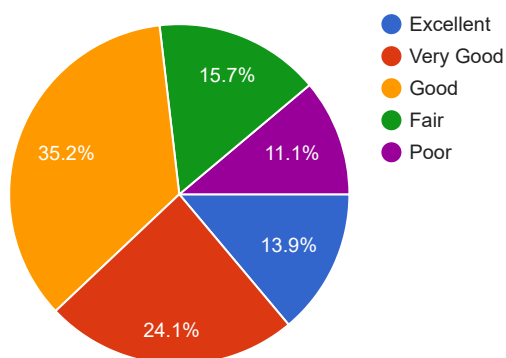
## 2. How do you rate the coverage of courses during programme?

108 responses



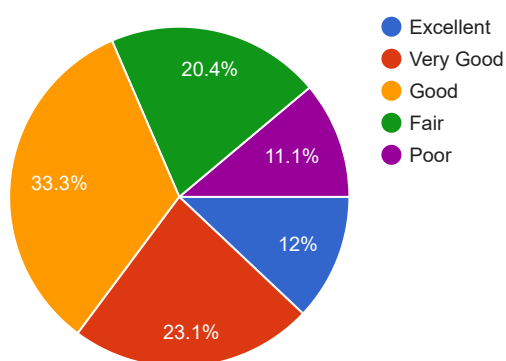
### 3.How do you rate the curriculum that helps in your employment?

108 responses



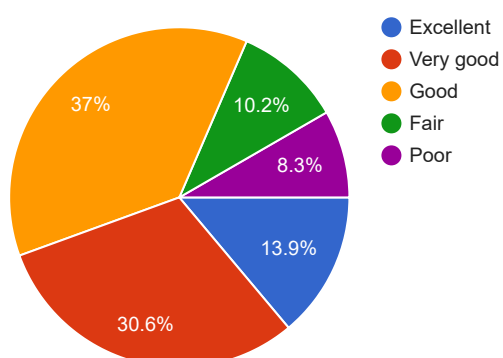
### 4.How do you rate the syllabus applicability/relevance to real life situation?

108 responses



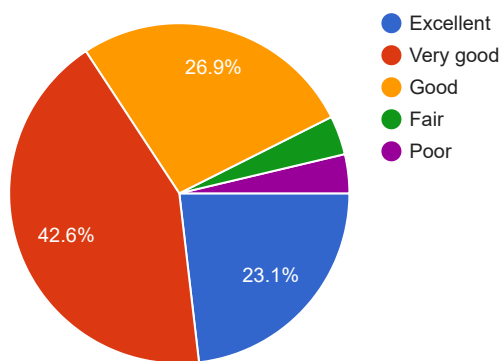
### 5.How do you rate the programme curriculum in terms of knowledge, concepts, skills, analytical abilities and broadening perspectives?

108 responses



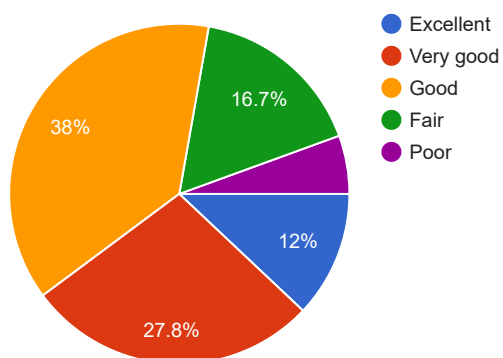
## 6.How do you rate the clarity and relevance of class room & teaching materials?

108 responses



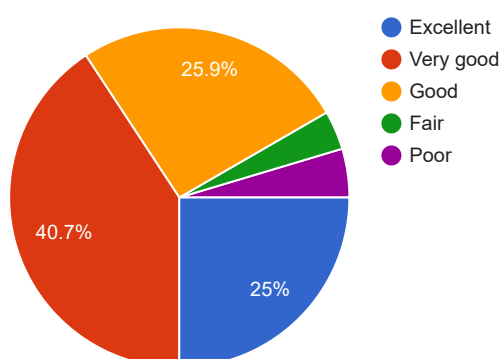
## 7.How do you rate the focus towards the research orientation during the programme?

108 responses



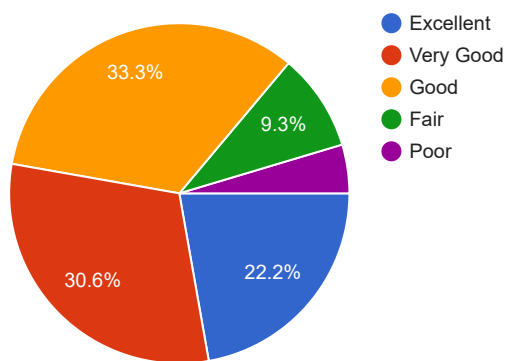
## 8.Teachers inform you about your expected competencies, course outcomes and programme outcomes.

108 responses



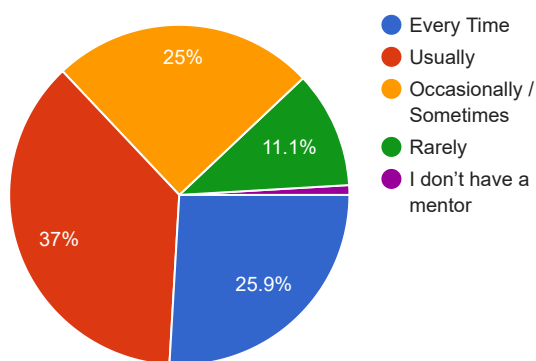
9.The teachers identify your strengths and encourage you by providing right level of challenges.

108 responses



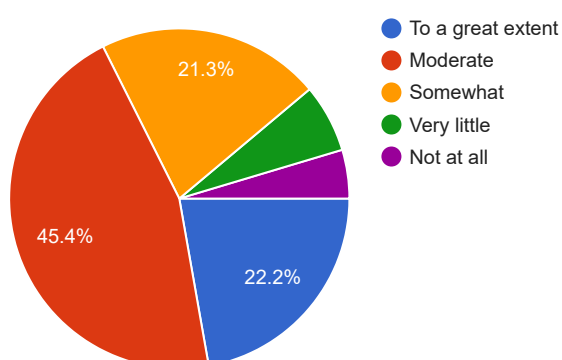
10.Teachers are able to identify your weakness and help you to overcome them

108 responses



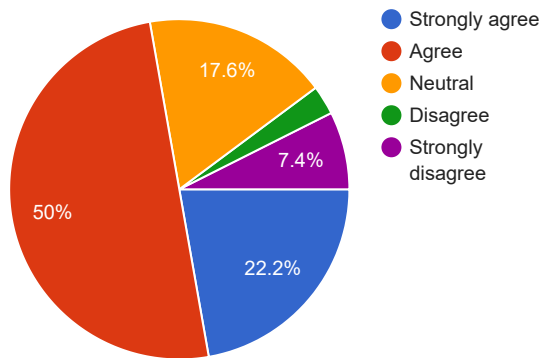
11.The institute / teachers use student centric methods such as experiential learning, participative learning and problem solving methodologies for enhancing learning experiences.

108 responses



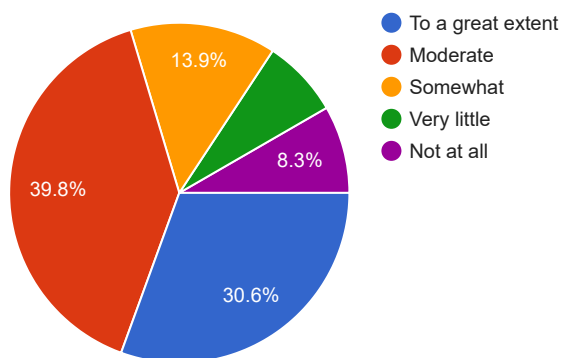
## 12. Teachers encourage you to participate in extracurricular activities

108 responses



## 13. Efforts are made by the institute/teachers to inculcate soft skills, life skills, and employability skills to make you ready for the world of work.

108 responses



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Google Forms



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# **EMPLOYER FEEDBACK**

## **2019-2020**



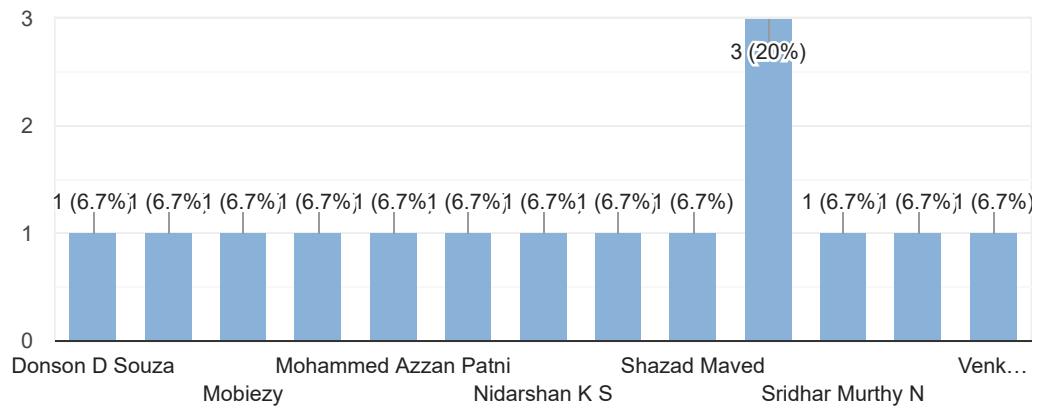
# MITE Moodabidri:: Structured Feedback from Employer

15 responses

[Publish analytics](#)

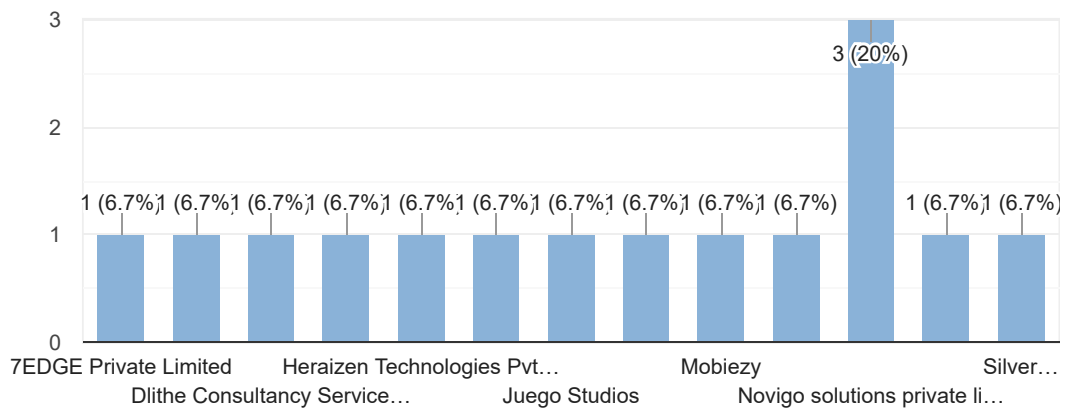
## Name Of the Employer

15 responses



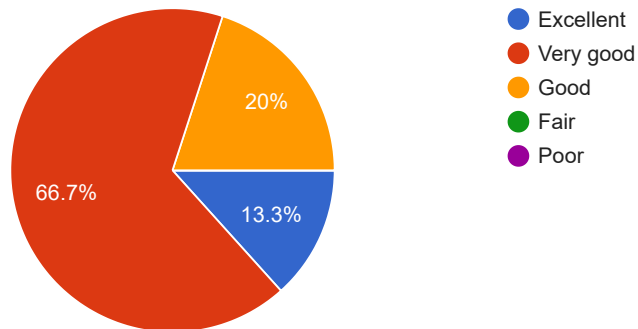
## Organization

15 responses



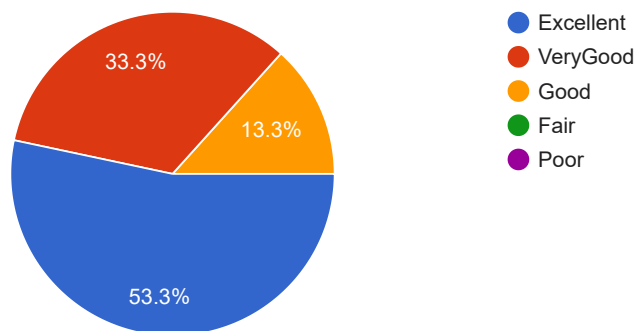
### 1. Technical skills appropriate to job requirements

15 responses



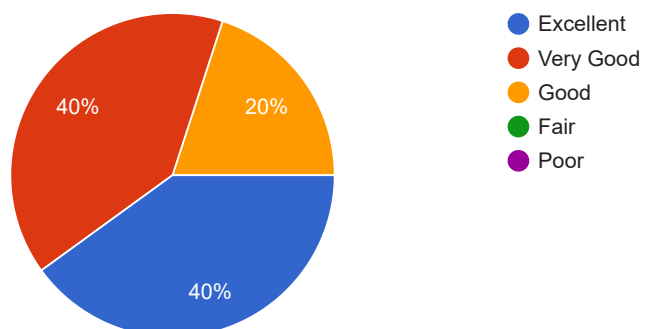
### 2. Accountability: Punctual in attending work and honor commitment to meet deadlines

15 responses



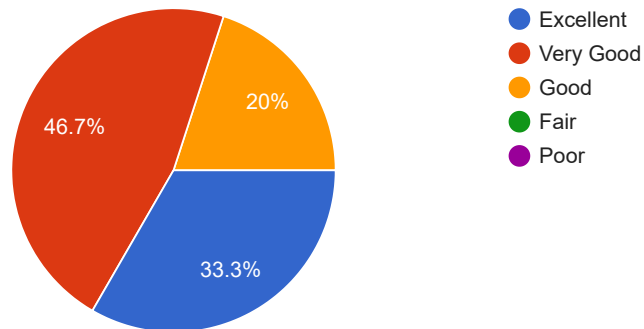
### 3. Competency level

15 responses



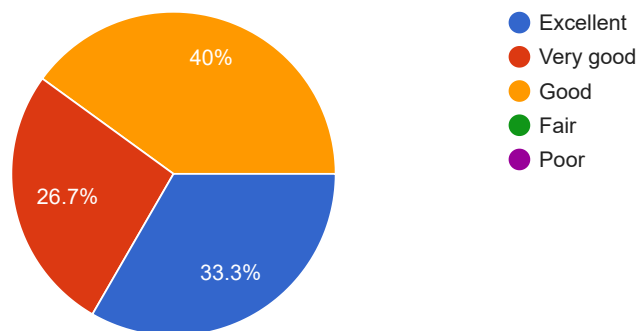
#### 4.Adequacy of skill

15 responses



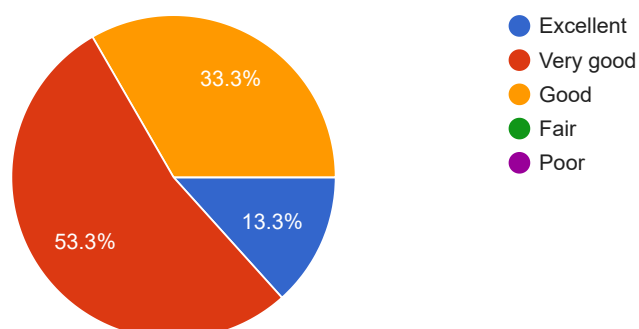
#### 5. Quality of work: Compete tasks accurately. Work reflects neatness, attention to detail, and compliance to company standards

15 responses



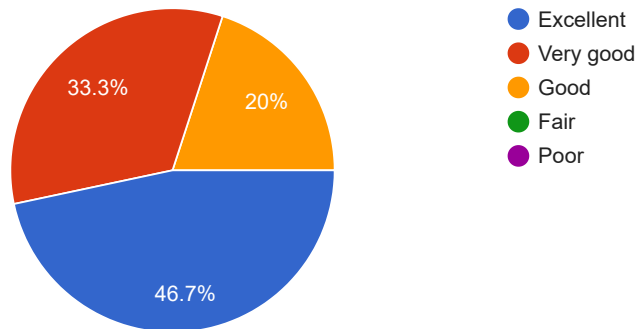
#### 6.Adequacy of Curriculum

15 responses



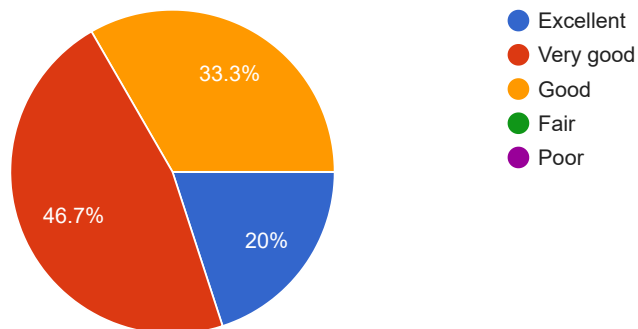
### 7.Target Orientation

15 responses



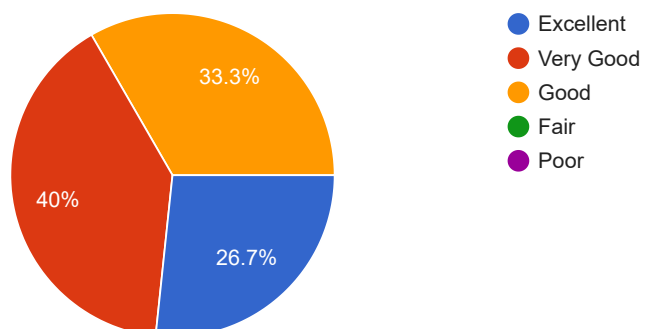
### 8.Initiative: Consistently demonstrates a proactive nature. Takes appropriate action without constant supervision

15 responses



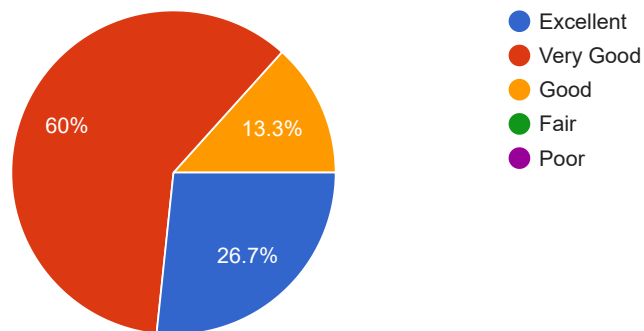
### 9.Ability to relate theory to practice

15 responses



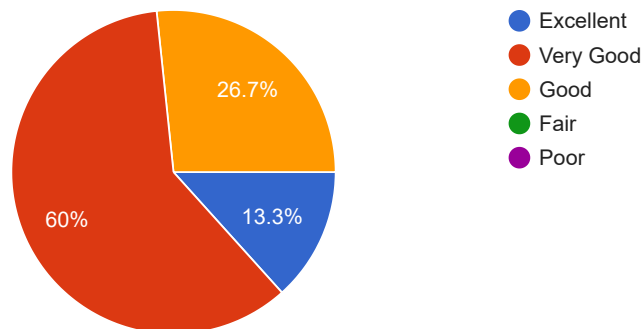
### 10. Analysis and Judgment: Demonstrates the ability to analyze the facts and make sound decisions

15 responses



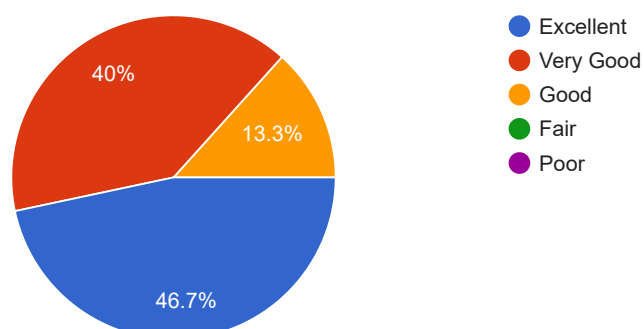
### 11. Communication and Attitude: Expresses verbal and written ideas effectively. Interacts well with others and resolves conflicts

15 responses



### 12. Overall rating

15 responses





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# **FEEDBACK ANALYSIS REPORT**

(FEEDBACK FROM STUDENTS, ALUMNI &  
EMPLOYER FOR THE ACADEMIC YEAR 2019-20)

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## FEEDBACK ANALYSIS

### Introduction:

MITE has constituted the IQAC as per NAAC guidelines, and it works towards the realization of the goals of quality enhancement and sustenance. The IQAC at MITE spearheads the effective implementation of quality initiatives through continuous reviews and employs corrective measures to attain excellence in conjunction with the departments and the various forums.

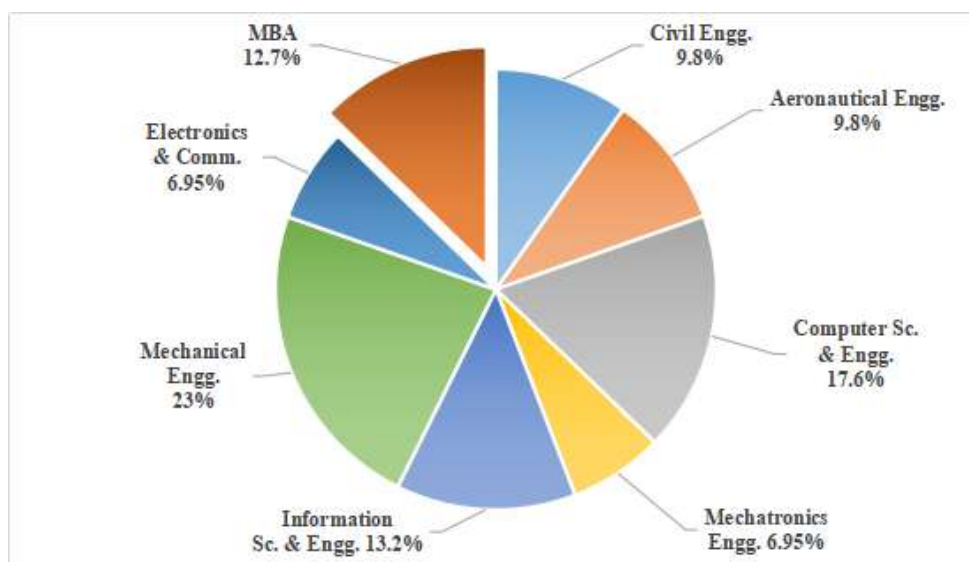
### Data collection:

In view of improving the quality of education at MITE, the departments conducted the survey as per the directions of the IQAC amongst the stakeholders (Students, Alumni and Employers) through the questionnaires shared via Google forms.

### Respondents profile:

The respondents were classified as Students, Alumni and Employers who recruit graduates from MITE and had 204, 108 and 15 respondents respectively.

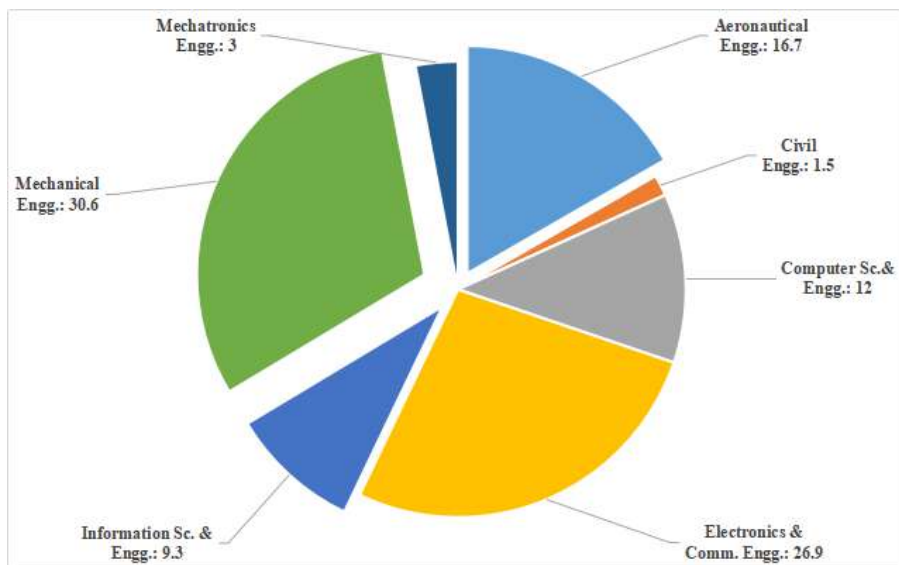
#### 1. Student diversity: Number of respondents: 204



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**Program wise distribution of student respondents**

**2. Alumni respondents:** Number of respondents: 108



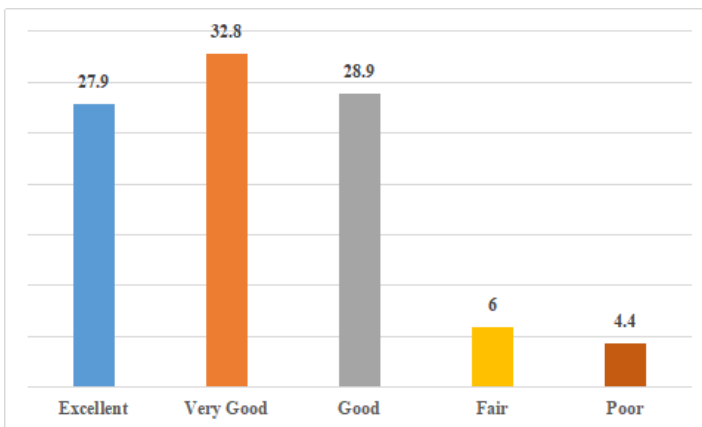
**Program wise distribution of Alumni respondents**

**3. Employer respondents:** Number of respondents: 15

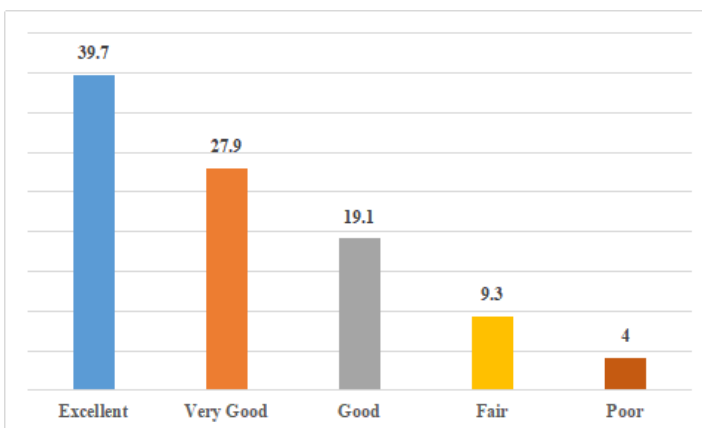
The employer respondents were from the following recruiters: ITC Infotech, Mobinius Technologies Pvt. Ltd. GA Morgan Dynamics Pvt. Ltd., 7EDGE Private Limited, Pace Wisdom Solutions Pvt. Ltd., Heraizen Technologies Pvt. Ltd., Mindstack Technologies Pvt. Ltd., SilverPeak Global Pvt. Ltd., Mobiezy, Dlithe Consultancy Services Pvt. Ltd., Novigo Solutions Pvt. Ltd., Juego Studios, and Blackfrog Technologies Pvt Ltd

## Student responses to the questionnaire:

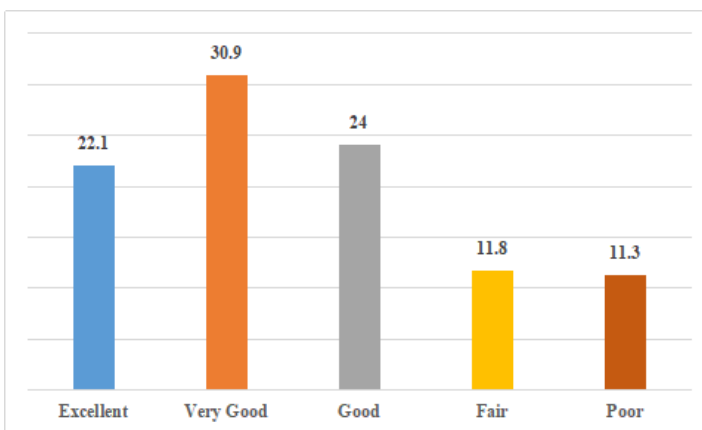
1.How do you rate the Programme in terms of the Curriculum Syllabi in different semesters?



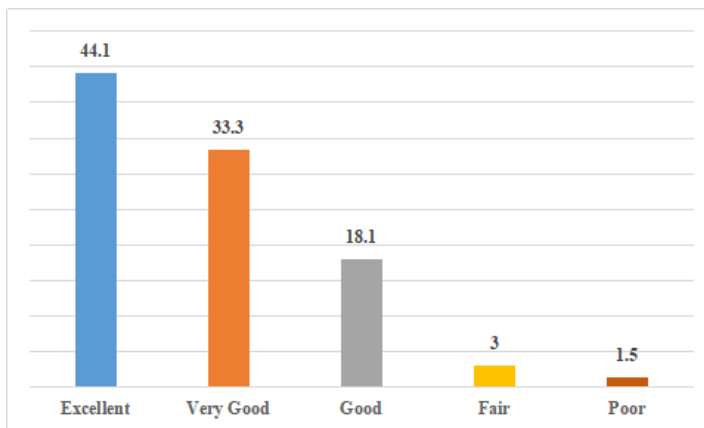
2.How do you rate the availability of the text books and reference books in the library?



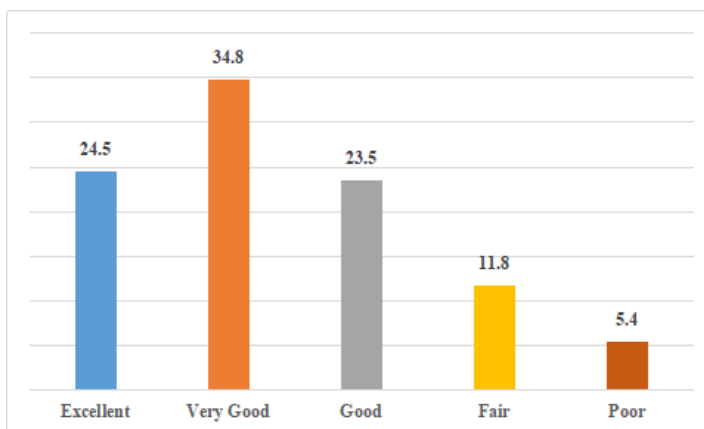
3.How do you rate courses in terms of their relevance to the latest and /or future technologies?



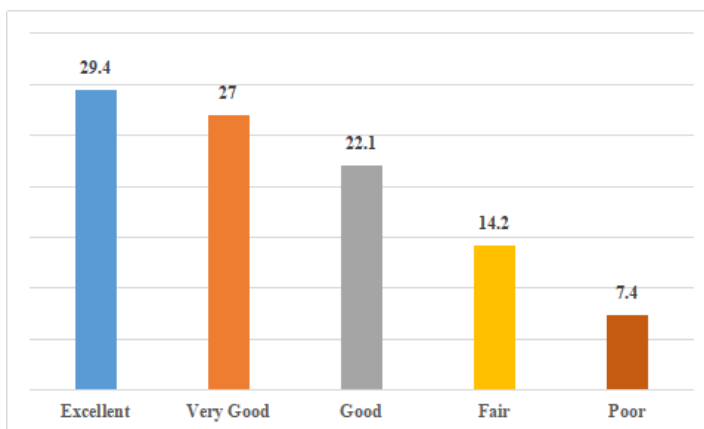
4. How do you rate the ambience of the classrooms for effective delivery of the lectures?



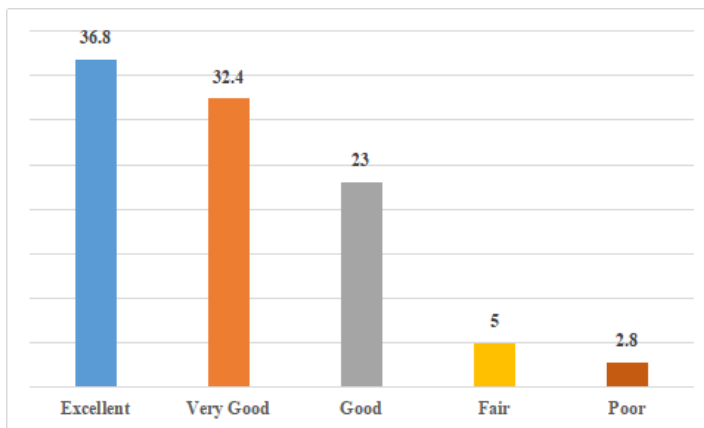
5. How do you rate the quality and the relevance of the courses prescribed into the curriculum?



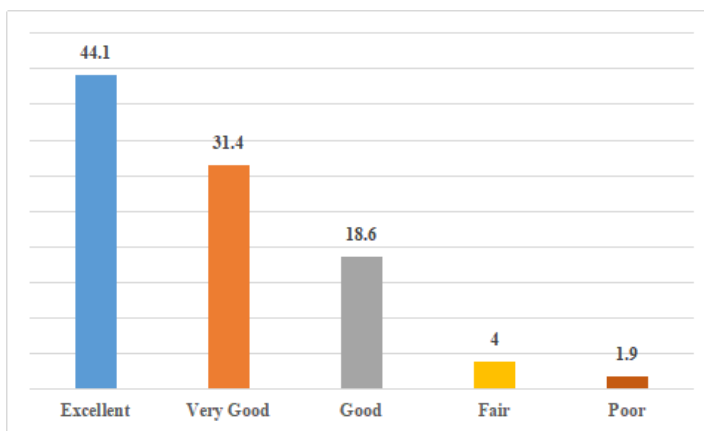
6. How do you rate Institute activities that help in getting jobs and placements?



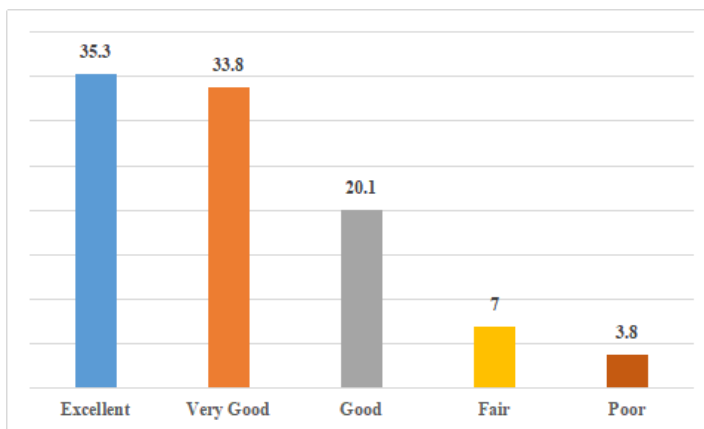
7. How do you rate the quality of teaching during the entire programme?



8. How do you rate a teacher's approach to your overall development?



9. How do you rate transparency of the evaluation system in the Institution?

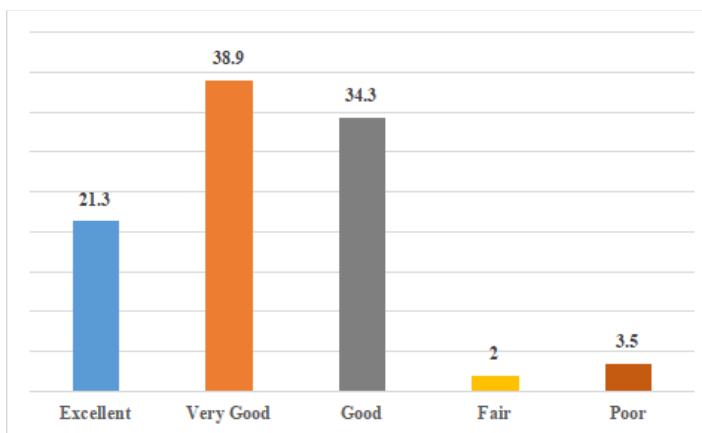


10. Mentor does a necessary follow-up with you regarding the assigned task to you.

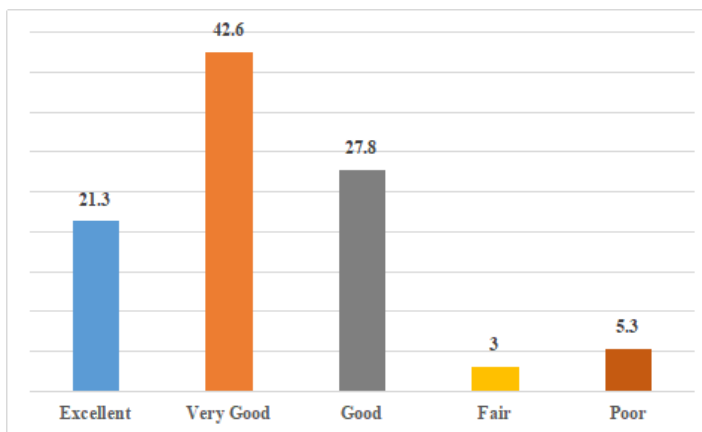


## RESPONSES FROM ALUMNI

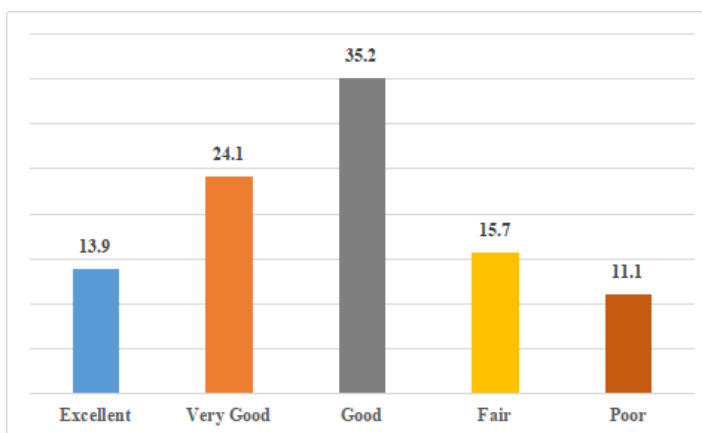
1. Quality of course content including the project work during your entire programme.



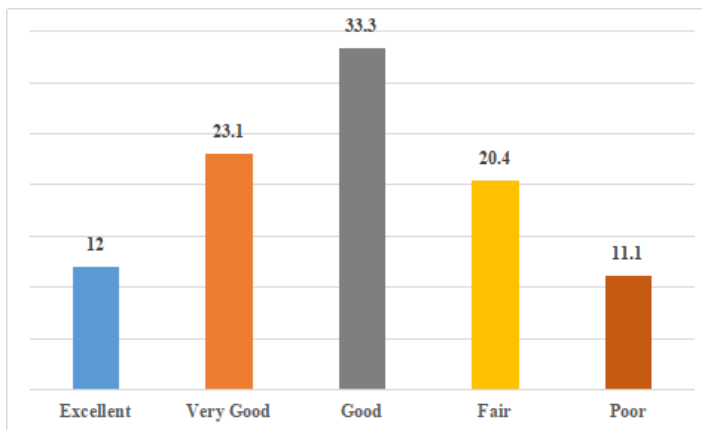
2. How do you rate the coverage of courses during the programme?



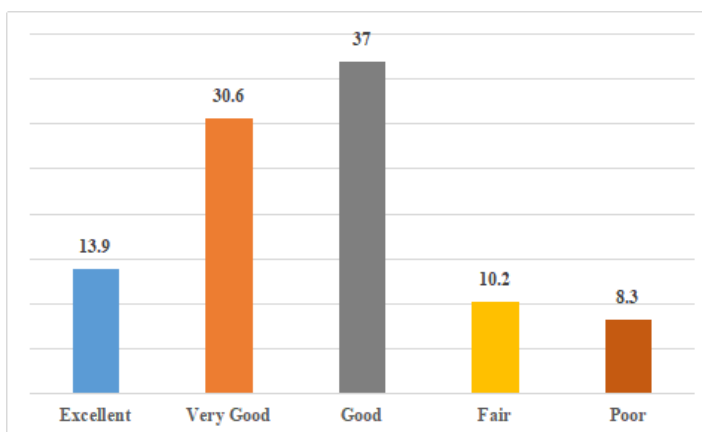
3. How do you rate the curriculum that helps in your employment?



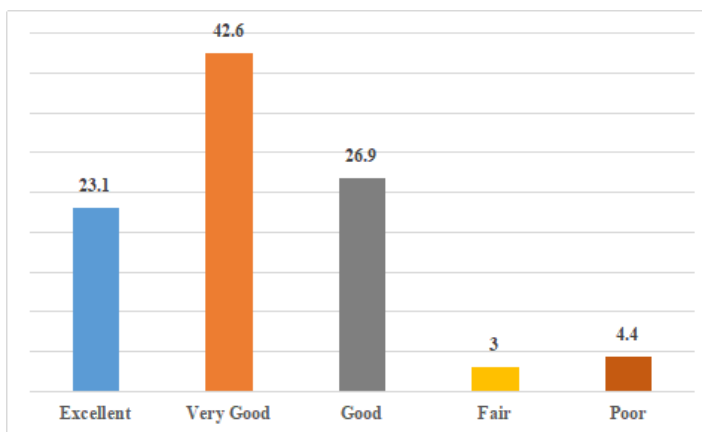
4. How do you rate the syllabus applicability/relevance to real life situations?



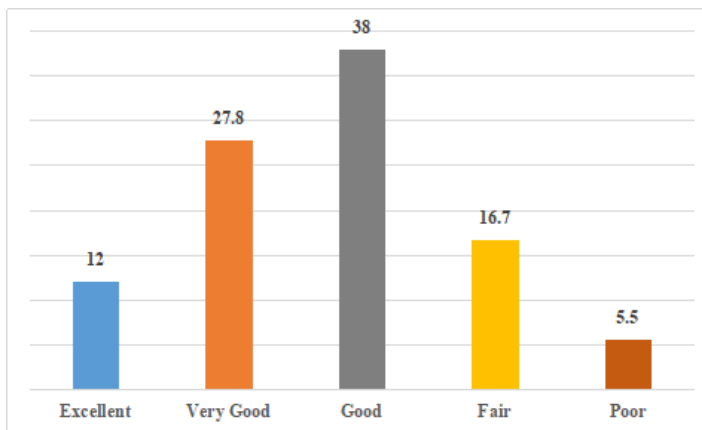
5. How do you rate the programme curriculum in terms of knowledge, concepts, skills, analytical abilities and broadening perspectives?



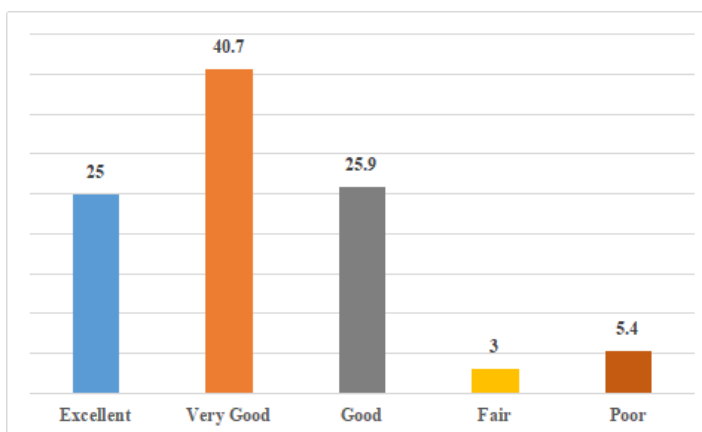
6. How do you rate the clarity and relevance of class room & teaching materials?



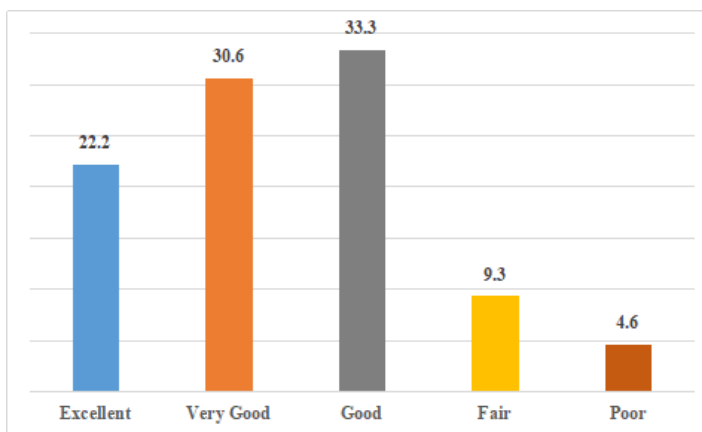
7. How do you rate the focus towards the research orientation during the programme?



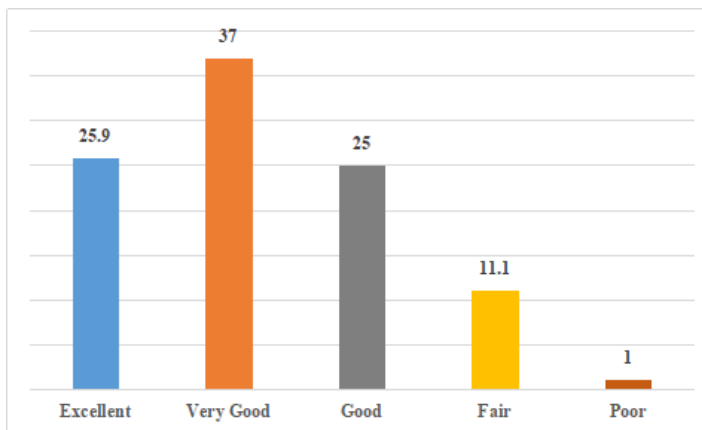
8. Teachers inform you about your expected competencies, course outcomes and programme outcomes.



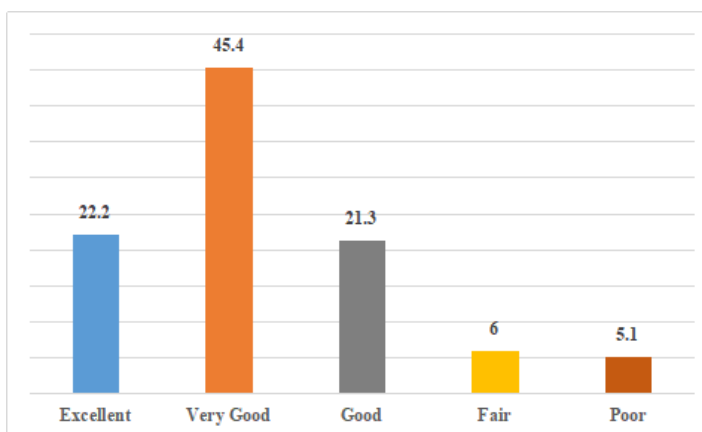
9. The teachers identify your strengths and encourage you by providing the right level of challenges.



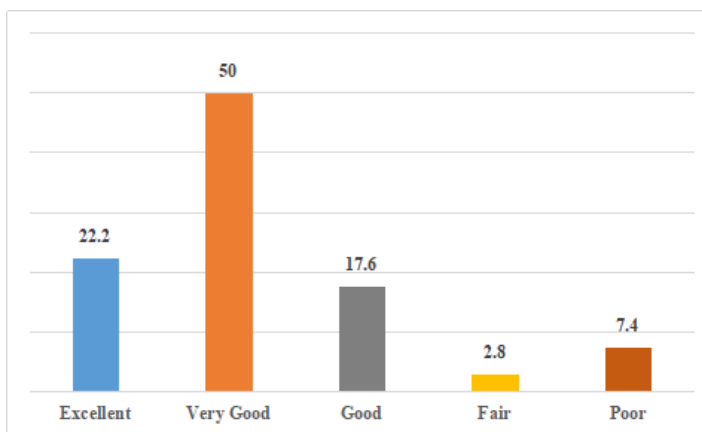
10. Teachers are able to identify your weakness and help you to overcome them



11. The institute / teachers use student centric methods such as experiential learning, participative learning and problem solving methodologies for enhancing learning experiences.



12. Teachers encourage you to participate in extracurricular activities

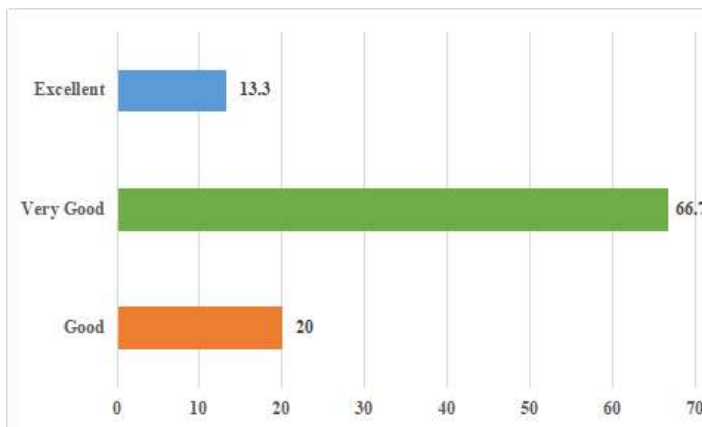


13. Efforts are made by the institute/teachers to inculcate soft skills, life skills, and employability skills to make you ready for the world of work.

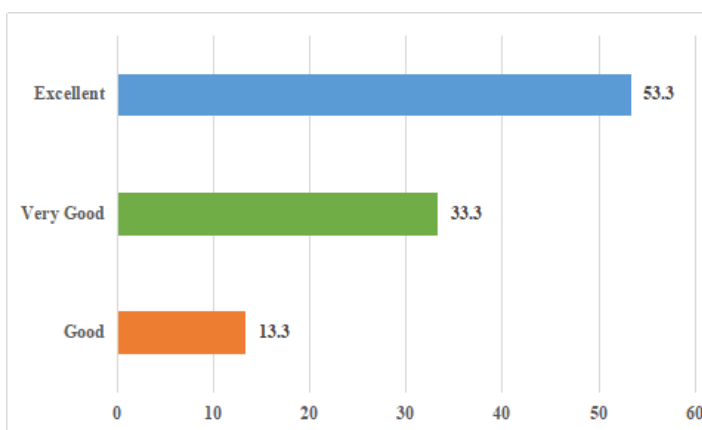


## EMPLOYERS RESPONSES TO THE QUESTIONNAIRE:

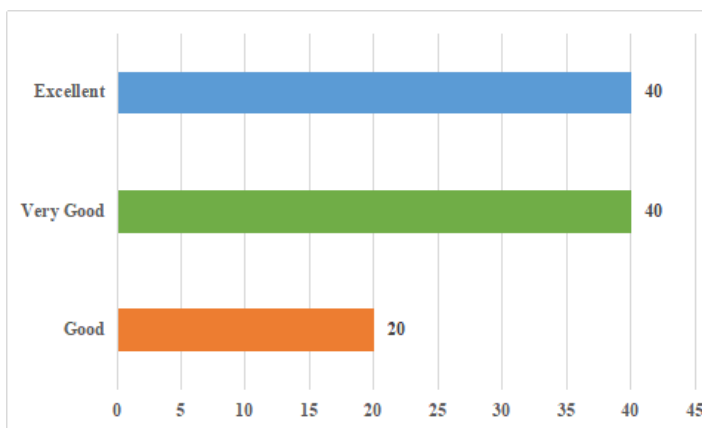
1. Technical skills appropriate to job requirements



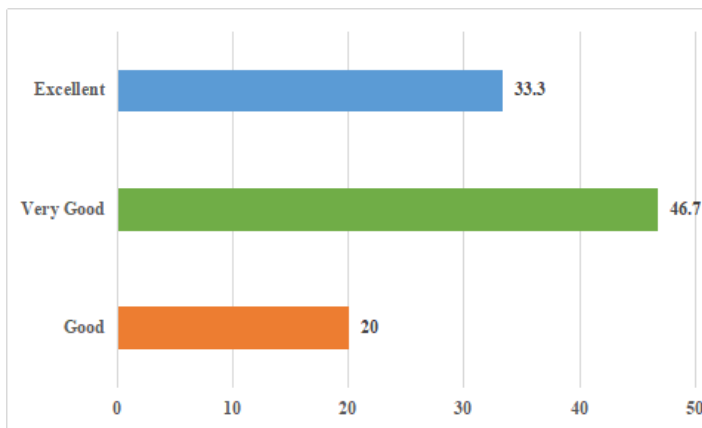
2. Accountability: Punctual in attending work and honor commitment to meet deadlines



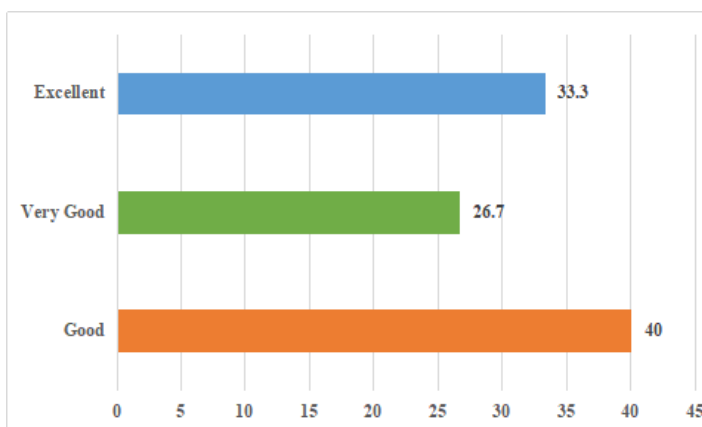
3. Competency level



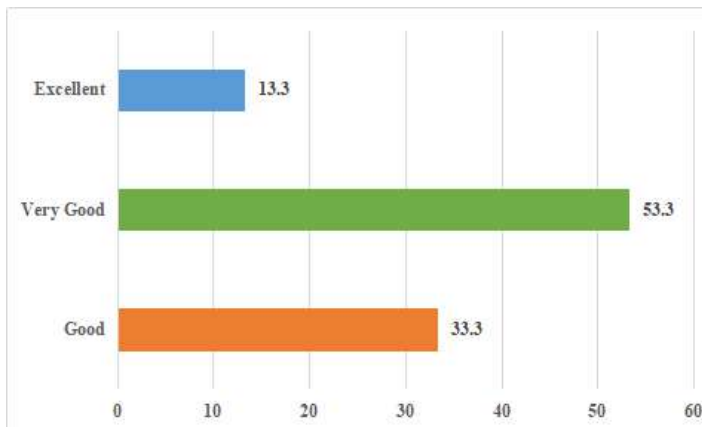
#### 4. Adequacy of skill



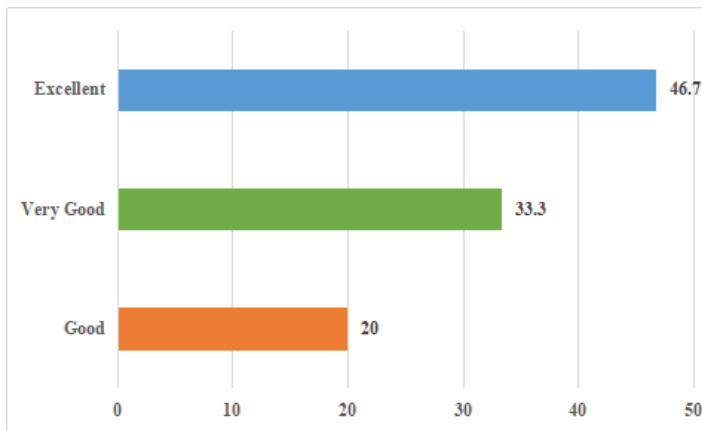
#### 5. Quality of work: Compete tasks accurately. Work reflects neatness, attention to detail, and compliance to company standards



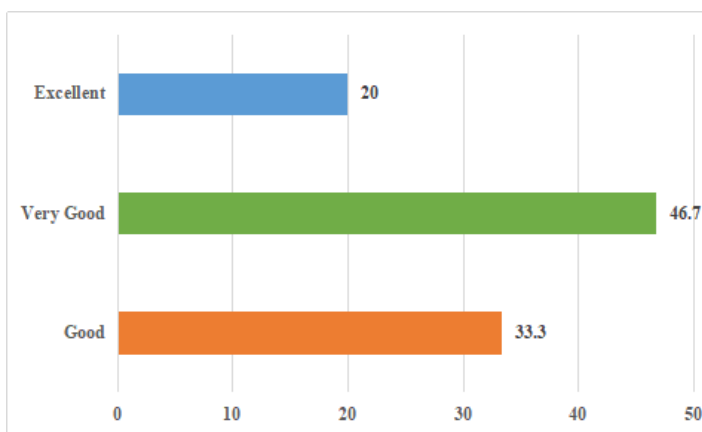
#### 6. Adequacy of Curriculum



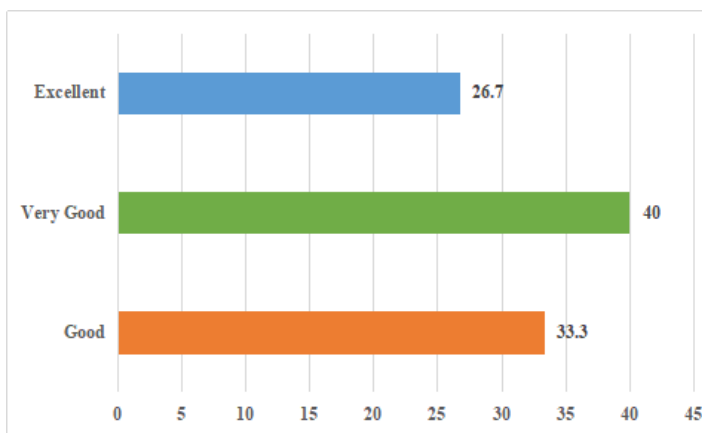
## 7.Target Orientation



## 8.Initiative: Consistently demonstrates a proactive nature. Takes appropriate action without constant supervision

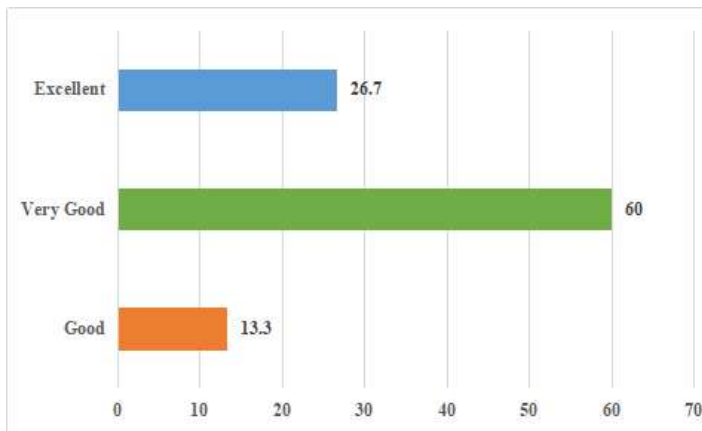


## 9.Ability to relate theory to practice



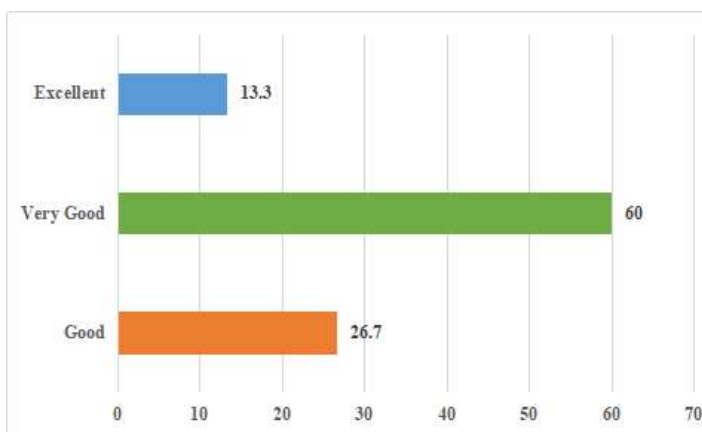
#### 10. Analysis and Judgment:

Demonstrates the ability to analyze the facts and make sound decisions

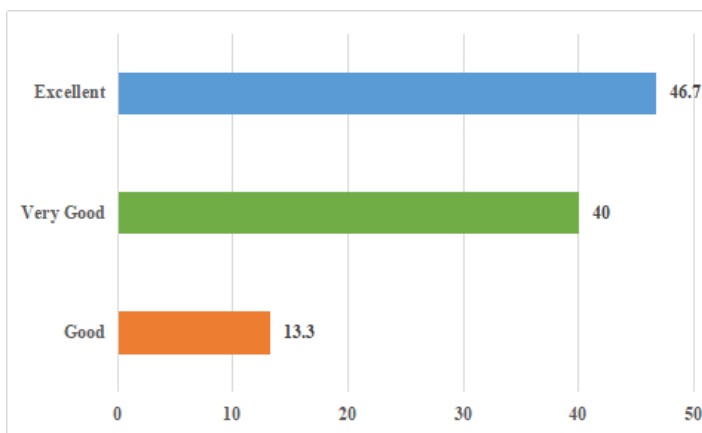


#### 11. Communication and Attitude:

Expresses verbal and written ideas effectively. Interacts well with others and resolves conflicts



#### 12. Overall rating



### OBSERVATIONS FROM IQAC

The table below shows the segments which the respondents have shown appreciation/ satisfaction and the area that has scope for improvements.

Respondents	Area the respondents have shown appreciation/ satisfaction	Area the respondents have referred for improvement
Students	<ul style="list-style-type: none"> <li>Classroom ambience for curriculum delivery</li> <li>Teachers approach towards overall development</li> <li>Follow-up by mentors on assigned tasks</li> <li>Transparency in evaluation system</li> <li>Quality of teaching during the entire programme</li> </ul>	<ul style="list-style-type: none"> <li>Courses in terms of latest or future technologies</li> <li>Quality and relevance of the courses in the curriculum</li> </ul>
Alumni	<ul style="list-style-type: none"> <li>Quality of course and project work</li> <li>Clarity and relevance of classroom and teaching material</li> <li>Dissemination of expected competencies, course outcomes and programme outcomes</li> <li>Encouragement to extra-curricular activities</li> </ul>	<ul style="list-style-type: none"> <li>Curriculum to aid employment</li> <li>Relevance of the syllabus in real life situations</li> <li>Focus on research during the program</li> </ul>
Employer	<ul style="list-style-type: none"> <li>Accountability: Punctuality and commitment</li> <li>Analysis &amp; Judgement</li> <li>Overall graduate rating</li> </ul>	<ul style="list-style-type: none"> <li>Adequacy of curriculum</li> <li>Ability to relate theory to practice</li> <li>Communication and Attitude</li> </ul>



### **RECOMMENDATIONS FROM IQAC**

The feedback analysis finds that the respondents are satisfied with the overall teaching-learning processes, academic facilities, and activities conducted by the Institution to build graduates who are skilled and apt for industry. The analysis also points at the need for curriculum enrichment and adoption of courses that are latest and relevant. The institute is affiliated to Visvesvaraya Technological University, Belagavi which formulates the syllabus and MITE has no flexibility over the curriculum framework. However, identifying the gaps, the institute has initiated ample industry connect programs through the MoU's with Bosch Rexroth Center of Competence in Automation Technologies, Siemens Center of Excellence in Digital Design, Validation and Manufacturing. MITE has also carved MOU's with KPIT for the PACE Program, Carl Zeiss, Infosys Campus Connect and very recently with UI Path for Robotic Process Automation in addition to the collaborations individual departments have signed. MITE also has inked collaborations with global universities like Binghamton University, USA, ITE West, Singapore, MDIS Singapore, and Kumamoto University, Japan.

IQAC recommends the following measures to bridge the gaps in curriculum as obtained from the feedback analysis:

- The IQAC recommends implementation of more activities under these MOU's for the next academic year so that it would aid in bridging the gap between industry and academia as well as to provide students with a global perspective. The IQAC also looks forward to improving the industry-connect with reputed organizations.
- The IQAC advises departments to organize more webinars/ workshops/ seminars in conjunction with industry and reputed universities to mould students on recent technological advancements. The Cell also recommends the departments to conduct programs related to career advancements, higher studies and entrepreneurship.



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- The IQAC advises departments to encourage students to publish their project work in conferences or indexed journals to help them develop an aptitude for research and aid in networking.
- The IQAC makes recommendations to departments to apply for funding from government and non-government agencies towards organizing Conferences/ Workshops/ Seminars which would aid in skill building.

Date: 05/08/2020

  
Convener



## Course Preparedness report

To effectively implement the delivery of technical contents, a Course Preparedness review is conducted with help of subject experts invited from reputed institutions of National importance before the commencement of every semester. The experts evaluate course outcomes (COs), CO- PO/PSO mapping with justifications, course contents, etc. Also they provide inputs/suggestion which help in enhancing the overall teaching process.

### CONTENTS

- a. Invitation to the Expert Members to Review Course Content
- b. Acceptance by the Expert Members for the Invitation to Review Course Content
- c. Invitation to the faculty members to present the Course Content
- d. Course Preparedness Report- A Sample Copy

## Invitation to the Expert Members to Review Course Content

03/08/2021

Mangalore Institute of Technology & Engineering Mail - Invitation to review the course content prepared by our faculty



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

### Invitation to review the course content prepared by our faculty

5 messages

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

Mon, Jan 27, 2020 at 5:39 PM

To: rameshmr@nitk.edu.in, "Dr. Ranjith M Faculty, Mechanical Dept" <mranji1@nitk.edu.in>, sharanappa joladarashi <sharanappaj@gmail.com>

Cc: Principal MITE <principal@mite.ac.in>, "Dr. Divakara Shetty S" <deanacademics@mite.ac.in>

Dear Sir

Greetings from Mangalore Institute of Technology & Engineering, Moodabidri

As per our regular practice of academics, the course content prepared by our faculty is reviewed before the commencement of semester classes. As a part of this process, you are invited to review the contents of few courses prepared by our faculty. The review is scheduled on 01.2.2020 from 9.30 am on wards.

I look forward to your support in successful conduct of this activity.

We request you to send your brief biography with confirmation mail.

Best regards

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

Sharanappa joladarashi <sharanappaj@gmail.com>


Mon, Jan 27, 2020 at 5:58 PM

To: "Head Mech." <hodmec@mite.ac.in>

Cc: Ramesh MR <rameshmr@nitk.edu.in>, "Dr. Ranjith M Faculty, Mechanical Dept" <mranji1@nitk.edu.in>, Principal MITE <principal@mite.ac.in>, "Dr. Divakara Shetty S" <deanacademics@mite.ac.in>

Thanks for your invitation, Please find the biography attached.

Regards  
Dr. Sharnappa J  
[Quoted text hidden]

 Dr.Sharanappa\_CV.pdf  
580K

Dr. Ranjith M Faculty, Mechanical Dept <mranji1@nitk.edu.in>  
To: "Head Mech." <hodmec@mite.ac.in>

Tue, Jan 28, 2020 at 12:24 PM

Dear Professor,

<https://mail.google.com/mail/u/0?ik=36498624e4&view=pt&search=all&permthid=thread-a%3Ar4122318452327738312&simpl=msg-a%3Ar260752861...> 1/2

## Acceptance by the Expert Members for the Invitation to Review Course Content

03/08/2021

Mangalore Institute of Technology & Engineering Mail - Invitation to review the course content prepared by our faculty

I accept the invitation and will be there for the evaluation. Attached here brief CV.

Thanks and Regards

On Mon, Jan 27, 2020 at 5:40 PM Head Mech. <hodmec@mite.ac.in> wrote:  
[Quoted text hidden]

--

Dr. Ranjith M

Assistant Professor

Department of Mechanical Engineering

National Institute of Technology Karnataka(NITK)

Surathkal, Mangalore-575025

Karnataka, India.

Email: mranji1@nitk.edu.in, mranji1@gmail.com

Ph:91-824 2473748, Mob:91-8050159645

My Personal Page:<https://sites.google.com/site/ranjithmaniyeri/>

---

 **Brief CV.docx**  
14K

---

Ramesh MR <rameshmr@nitk.edu.in>

Tue, Jan 28, 2020 at 1:51 PM

To: "Head Mech." <hodmec@mite.ac.in>

Cc: "Dr. Ranjith M Faculty, Mechanical Dept" <mranji1@nitk.edu.in>, sharanappa joladarashi <sharanappaj@gmail.com>.

Principal MITE <principal@mite.ac.in>, "Dr. Divakara Shetty S" <deanacademics@mite.ac.in>

Dear Sir

I will attend the meeting as scheduled and please find enclosed my resume as attachment.

Thanks and Regards

Dr. Ramesh M.R.

Associate Professor

Department of Mechanical Engineering

National Institute of Technology Karnataka

Surathkal, Srinivasnagar Post

Mangalore-575025, Karnataka State

Ph: +918242473677, +91-9480540801

On Mon, Jan 27, 2020 at 5:40 PM Head Mech. <hodmec@mite.ac.in> wrote:

[Quoted text hidden]

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 **Resume-Ramesh.doc**  
77K

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

To: hodmtr <hodmtr@mite.ac.in>

Fri, Jan 31, 2020 at 12:14 PM

[Quoted text hidden]

<https://mail.google.com/mail/u/0?ik=36498624e4&view=pt&search=all&permthid=thread-a%3Ar4122318452327738312&simpl=msg-a%3Ar260752861...> 2/2



Head Mech. &lt;hodmec@mite.ac.in&gt;

**Presentation of Course content-reg**

1 message

Head Mech. &lt;hodmec@mite.ac.in&gt;

Mon, Jan 27, 2020 at 6:18 PM

To: mec &lt;mec@mite.ac.in&gt;

Cc: "Dr. Divakara Shetty S" &lt;deanacademics@mite.ac.in&gt;

Respected faculty

Good evening.

In continuation with the course allotment for the academic session Feb -May 2020, you are informed to present the contents of the prepared by you, before the expert committee. The session is scheduled from 9.30am to 12.30 pm and 2.00 pm to 4.00 pm, on 01.2.2020. The expert reviewers are Professors from NITK, HOD and Dean Academics. The detailed schedule is available in HOD office.

The Presentation follows:

1. Syllabus
2. Course outcome
3. CO-PO/PSO mapping with justification
4. Course content (Hour wise classroom presentation)
5. Course material (Hard copy)
6. Previous years (3 years) question papers
7. Question bank after each module

--

Best regards

Dr. Rajashekhar C.R

Vice Principal and Head of Mechanical Engineering Department,  
Mangalore Institute of Technology & Engineering,  
Badaga Mijar, Moodbidri-574225

## Course Preparedness Report- A Sample Copy

The Operational Objective of conducting **Course Preparedness** is to make high **quality learning material** available for **Mechanical students**. HOD has organized evaluation of Course Preparedness for the Mechanical faculties on February 1<sup>st</sup> 2020 and has given entire month to prepare the materials. Faculties has to present the course content like notes, Complete Module PPT in front of the expert panel from NITK, Surathkal and asked to highlights **Innovative methods** planned for **teaching** (like flipped class, Videos, slides, models, charts, etc) and **Evaluation** (like Plickers, Quiz, etc).

## Presentation schedule

### Venue M101

Sl No	Course	Sem	Time	Presenters
1	Fluid Mechanics	4	9.30 – 10.45 am	Suresh Kumar Rajesh S C Pringle Alfanso
2	Applied Thermodynamics	4	11.00 – 12.30 pm	C R Rajashekhar Girish L V Madhusudan
3	Heat Transfer	6	2.00-3.00 pm	Bhanuprakash Akshay Bhatt Swaroop
4	Green Manufacturing	8	3.00 -4.00 pm	Girish L V Karthik Sudeep N S

### Venue M102

Sl No	Course	Sem	Time	Presenters
1	Kinematics of Machines	4	9.30 – 10.45 am	Dr Neelakanta V Londe <b>Rahul</b> Purandara Naik
2	Finite Element Analysis	6	11.00 – 12.30 pm	Mohan Kumar Aveen K P Yajnesh
3	Design of Machine Elements-II	6	2.00-3.00 pm	<b>Ganesh Raj</b> Madhusudan Swaroop
4	Operation Research	8	3.00 -4.00 pm	Dr Loksha <b>Shivaram H T</b> Vikranth K

### Venue M103

Sl No	Course	Sem	Time	Presenters
1	Metal Cutting & Forming	4	9.30 – 10.45 am	<b>Dr Vignesh</b> Praveen K Gautham Shetty
2	Computer Integrated Manufacturing	6	11.00 – 12.30 pm	<b>Murali</b> Sridhar D R Vikranth
3	Metal Forming	6	2.00-3.00 pm	<b>Gajanana Naik</b> Purandara Naik Bhanuprakash
4	Total Quality Management	8	3.00 -4.00 pm	Ganesh Raj <b>Anudeep Rao</b> Suresh Kumar

Following pictures show the glimpses of presentation done by faculties



**Figure 1** Dr Vignesh presenting Metal **Cutting & Forming** course content to Dr. Ramesh M R



**Figure 2** Ganesh Raj presenting Design of Machine Elements-II course content to Dr. Sharanappa J



Figure 3 Rajesh S C presenting Fluid Mechanics course content to Dr. Ranjith M



Figure 4 Girish L V presenting Applied Thermodynamics course content to Dr. Ranjith M



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## Department of Mechanical Engineering

(Accredited by NBA)

Sl No	Course	Expert Remarks	Faculty	Signature
01	Metal cutting and forming (18ME45A)	<ol style="list-style-type: none"> <li>CO to be rewritten as per the mentioned in the syllabus given by the university</li> <li>PO10 not to be mapped with all the COs</li> <li>The order of the ppt should match with syllabus</li> </ol>	Dr. Vignesh Nayak Ullal	
			Mr. Gautam	
			Mr. Praveen J K	
02	Computer Integrated Manufacturing (17ME62)	<ol style="list-style-type: none"> <li>Slides preparation must be complete with respect to all the modules</li> <li>Prerequisite for the course subject not to be mentioned</li> <li>Division of module to be done on hourly basis</li> </ol>	Mr. Sridhar D R	
			Mr. Murali	
			Mr. Vikranth	
03	Total Quality Management (17ME664)	<ol style="list-style-type: none"> <li>Case studies to be included in the ppts.</li> <li>Hourly division of the modules to be done.</li> </ol>	Mr. Anudeep	
			Mr. Ganesh Raj Urs	
			Mr. Suresh	
04	Metal Forming (17ME653)	<ol style="list-style-type: none"> <li>PO10 to be avoided for mapping of few Cos</li> <li>Ppt to be prepared for explaining Manufacturing process and operation</li> </ol>	Mr. Gajanan M Naik	
			Mr. Purandar Naik	
			Mr. Bhanuprakash	

### Signature of reviewers

Prof. Ramesh M. R.  
Prof., Department of Mechanical Engineering  
NITK, Surathkal

Mr. Mohan Kumar  
Assoc. Prof., Department of Mechanical Engineering  
MITE, Moodabidri

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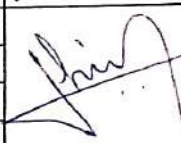

Department of Mechanical Engineering

(Accredited by NBA)

Date :01/02/2020

Venue:ME101

## COURSE PREPAREDNESS REPORT

SN	Faculty/Subject/code	Expert Comments	Signature
1	Ganesh Raj Urs/17ME64	Titles of COs & POs can be mentioned in the table itself.	
		Course Outcomes (CO3 & CO4) can be mapped to PO5 by using modern tools from online.	
		Theory of elasticity need to be included in relevance of course.	
		Mechanical Design Data hand book (4 <sup>th</sup> edition) need to be updated.	
		Research paper studies could be given for a group of students.	
2	Mr. Shivaramu H T/15ME81	Content and details are presented well.	
		Suggested to highlight industrial/practical oriented examples.	
		If possible CO3 can be matched with PO9 instead of PO4.	
		Operation Research by SD Sharama can be added in reference.	
3	Mr. Mohan Kumar/17ME61	Content and details are presented well.	
		Exclude the fluid flow problems	
		CO-PO mapping justification is excellent	

  
(Dr. M. L. G. S. B. A.)

Signature of Reviewer

 1/2/2020

Dr. Sharnappa Joladarashi

Associate Professor

Dept. of Mechanical Engineering

NITK, Surathkal

## 6. Action Taken on regards of Enrichment of Teaching - Learning Process

Sl. No	Particulars	Page No
6.1	Study material provided to students thorough online portal	50
6.2	Review of course plan by Program Assessment Committee (PAC)	52
6.3	Review of Program Outcome by Department Advisory Board(DAB)	58

## STUDY MATERIAL - MITE WEBSITE

DEPARTMENT	Additional Link
Electronics & communications engineering	<a href="#">CLICK HERE</a>
Computer science Engineering	<a href="#">CLICK HERE</a>
Aeronautical Engineering	<a href="#">CLICK HERE</a>
Information science Engineering	<a href="#">CLICK HERE</a>
Mechanical Engineering	<a href="#">CLICK HERE</a>
Civil Engineering	<a href="#">CLICK HERE</a>
Mechatronics	<a href="#">CLICK HERE</a>
MBA	<a href="#">CLICK HERE</a>



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## **Review of course plan by Program Assessment Committee (PAC)**



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## Department of Mechanical Engineering (Accredited by NBA)

Date: 15.7.2019

The Programme Assessment Committee (PAC) is constituted for the year 2019-20 as below:

Sl. No	Name of member	Designation
1	Dr. C. R. Rajashekhar Vice Principal and HOD (Mech.)	Chairman
2	Dr. Divakar Shetty Dean Academic & Professor	Member
3	Dr. M Loksha Professor	Member
4	Dr. Neelakantha V. Londe Professor	Member
5	Mr. Mohan Kumar Associate Professor	Member-Convener

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



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## Department of Mechanical Engineering (Accredited by NBA)

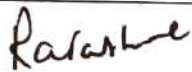
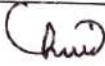



Date: 15.7.2019

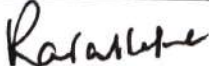
### PAC meeting Circular

To  
The Members  
Programme Assessment Committee,  
Department of Mech. Engg

The PAC meeting is scheduled on 17.7.2019. Please make yourself available to attend the meeting. The details of meeting are as below:

Date : 17.7.2019  
Venue : HOD Office  
Time : 10.00 am  
Agenda : 1. Formation of various committees  
2. Identification of laboratory in charge  
3. Review of Academic Plans submitted by the faculties  
4. Any other Academic matters

Sl. No	Name of member	Designation	Signature
1	Dr. C. R. Rajashekhar Vice Principal and HOD (Mech.)	Chairman	
2	Dr. Divakar Shetty Dean Academic	Member	
3	Dr. M Lokesh Professor, Dept. of Mech, MITE	Member	
4	Dr. Neelakantha V. Londe Professor, Dept. of Mech, MITE	Member	
5	Mr. Mohan Kumar Associate Professor, Dept. of Mech, MITE	Member-Convener	

  
HOD (Mech.)

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


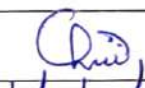
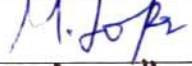


**Mangalore Institute of Technology and Engineering, Moodabidri**

**Department of Mechanical Engineering**

**Minutes of Program Advisory Committee (PAC)**

Committee	PAC
Date	17 <sup>th</sup> July 2019
venue	Mechanical Engineering Department, HOD office
Time	10:00AM

Members present:

Sl. No	Name of member	Designation	Signature
1	Dr. C. R. Rajashekhar	Vice Principal and HOD (Mech.) - Chairman	
2	Dr. Divakar Shetty	Dean Academic & Professor- Member	
3	Dr. M Loksha	Professor - Member	
3	Dr. Neelakantha V. Londe	Professor - Member	
4	Mr. Mohan Kumar	Associate Professor- Member	

Members Absent: Nil

Agendas for the meeting:

1. Formation of various committee and identification of members.
2. Identification of laboratory In charge
3. Review of Academic plan submitted by the faculty
4. Academic matters

Sl. No.	Agenda discussed	Discussion	Remarks
1	Various committee of the department are restructured	1.1 Student counseling coordinator: Mr Suresh 1.2 Practical exam coordinator: Mr.Karthik	Approved





		1.3 Internal exam coordinator: Mr. Purandar naik 1.4 Project coordinator: Mr. Purandar 1.5 Time table coordinator: MrYagnesh&Karthick 1.6 Mech MITE coordinator: MrAveen 1.7 Placement coordinator: MrAveen, MrVikranth Mr. Rahul 1.8Alumni coordinator: MrYagnesh 1.9 NPTEL coordinator: Mr. Girish 1.10 Industrial visit coordinator : MrVikranth 1.11 Club Activities coordinator: MrAnudeep 1.12 Peer learning coordinator: MrSivaram 1.13 NBA coordinator: Dr Loksha 1.14: Mini Project: DrVigneshNayak		
2	Identification of laboratory In charge	Workshop Machine shop F & F lab Fluid mechanics lab Heat transfer lab Design lab CAMA & CIM lab CAD lab MT lab EC lab MMM lab	Mr.Mohan Kumar Mr. Sridhar D R Mr.Vikranth Mr.Rajesh S C Mr.Suresh Kumar Mr.Karthik Mr.Aveen K P Mr.AkshayBhat Mr.PurandarNayak Mr.Girish L V Mr.Ganesh Raj Urs	Approved
3	Review of Academic plan submitted by the faculty	Committee members verified the academic plan comprising of lesson plan, CO-PO/PSO mapping with justification, PPT's, lecture notes , question bank, ICT tools used and technical programs to be organized to bridge the curricular gaps.		Reviewed
4	Academic matters	The following suggestion are made in connection with Academic matters  4.1 In laboratory classes, students have to complete all concerned calculations and writing of lab		Discussed

*Rasankar*



		<p>records within the allotted lab class hours.</p> <p>4.2 Methodology was suggested to enhance the student counseling system activities to improve student- staff relationship.</p> <p>4.3 Students are to be more encouraged to take individual presentation</p> <p>4.4 Individual certificates are to be issued to students for completion of Mini Project and letterhead can be used for peer learning activities</p> <p>4.5 Previous year assignment books of students can be discarded but only one year books can be maintained for VTU-LIC team verification.</p> <p>4.6 In internal exam question paper uniform sub division format of has to be maintained in accordance with college format.</p> <p>4.7 NBA criteria coordinators are restructured.</p> <p>4.8 Individual course owners are suggested</p> <p>4.9 Existing core students committee is refined as class committee with students &amp; faculty In charges</p>	
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*Rasanku*





**MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING**

(An ISO 9001:2015 Certified Institution)

(A unit of Rajalaxmi Education Trust ®)

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

## **Review of Program Outcome by Department Advisory Board (DAB)**



## MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

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

Department of Mechanical Engineering  
(Accredited by NBA)

Date: 02.01.2020

### Department Advisory Board (DAB)

The following Department Advisory Board is constituted for the Academic year 2019-20.

Sl. No	Name of the member	Designation
1	Dr. C. R. Rajashekhar HOD, Vice Principal and GC member, MITE	Chairman
2	Dr. Divakar Shetty Dean Academics & GC member, MITE	Member
3	Dr. Neelakantha V. Londe, Professor, MITE	Member
4	Dr. Lokesh M, Professor & SWO, MITE	Member
5	Dr. Ramesh, Prof. NITK, Academic Expert	Member
6	Mr. Donson D'souza, COO, Block Frog Technologies, Manipal	Industry Expert – Member
7	Mr. Prabhakar Kikkeri, General Manager, Carl Zeiss India (HQ) Bangalore	Industry Expert - Member
8	Mr. Yajnesha, Alumni, 2009 Batch	Member
9	Mr. Bola Rohith Kamath, Alumni, 2011 batch	Member

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



Head Mech. &lt;hodmec@mite.ac.in&gt;

**Department Advisory Board (DAB) Committee meeting**

MITE/ME/2019-20/08A

Head Mech. &lt;hodmec@mite.ac.in&gt;

Thu, Jan 9, 2020 at 10:20 AM

To: "Prabhakar, Kikkeri" <kikkeri.prabhakar@zeiss.com>, lokesha <lokesha@mite.ac.in>, neelakantha <neelakantha@mite.ac.in>, rameshmr@nitk.edu.in, Bola Rohith Kamath <rohithkamath93@gmail.com>, Donson D souza <donsondsouza@blackfrog.in>, Yajnesha P Shettigar <yajnesha@mite.ac.in>, Principal MITE <principal@mite.ac.in>

Dear Sir,

Greetings from Mechanical Engineering Department, Mangalore Institute of Technology &amp; Engineering...

We wish you &amp; your family a Happy New Year 2020

We would like to bring to your kind notice that the Department Advisory Board (DAB) Committee meeting of the Mechanical Engineering Department is scheduled to be held on 25<sup>th</sup> January 2020, Saturday at 10:30 AM in the Head's office, Mechanical Engg. Department, MITE.

We request you to make it convenient to attend the meeting and share your expertise for the improvement of the department.

Also, we request you to acknowledge for the receipt of the mail.

--  
Best regards

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

# Mangalore Institute of Technology and Engineering, Moodabidri

## Department of Mechanical Engineering

### Minutes of Department Advisory Board (DAB) Committee

Academic year 2019-20

Date	25 <sup>th</sup> January 2020
venue	Mechanical Engineering Department , HOD office,
Time	11:00AM

#### Members present:

Sl. No	Name of member	Designation	Signature
1	Dr. C. R. Rajashekhar Vice Principal, GC member and HOD	Chairman	Rajashekhar
2	Dr. Divakar Shetty Dean Academics & GC member	Member	Divakar
3	Dr. Neelakantha V. Londe, Professor	Member	Neelakantha
4	Dr Lokesha M, Professor & SWO	Member	M. Lokesha
5	Dr. Ramesh, Prof. NITK, Academic Expert	Member	Ramesh
6	Mr. Donson D'souza, COO, Block Frog Technologies, Manipal	Industry Expert – Member	—
7	Mr. Prabhakar Kikkeri, General Manager, Carl Zeiss India (HQ) Bangalore	Industry Expert - Member,	Prabhakar
8	Mr. Yajnesh , Alumni, 2009 Batch	Member	Yajnesh
9	Mr Bola Rohit Kamath Alumni, 2011 Batch	Member	—

#### Members Absent:

Mr. Bola Rohit Kamath

Mr. Donson D' Souza

**Agendas for the meeting:**

1. Results analysis for the academic year 2018-19
2. Review of CO- POs/PSOs mapping
3. Attainment of CO-PO/PSO
4. Gap identification and Proposed Action
5. GCASSTE 2020 Global Conference
6. AICTE Activity Program
7. Research Activities

Sl. No.	Agenda discussed	Discussion	Remarks
1	Results analysis for the academic year 2018-19	The committee reviewed the results and suggested to maintain a minimum of 75% results in every semester.	Approved
2	Review of CO- POs/PSOs mapping	<p>The committee has reviewed the CO-POs/PSOs mapping and suggested to continue the procedure of reviewing from academic experts.</p> <p>The committee also verified the implementation of suggestions proposed, in the course preparedness report, by the academic experts.</p>	Approved
3	Attainment of CO-PO/PSO	The committee has observed the attainment level of all POs and PSOs. It is proposed to conduct the academic programs to improve the PO2. Also, committee has suggested to conduct Mini projects and Technical talks to improve PSO2.	Approved
4	Gap identification and Proposed Action	<p>Chairman of the DAB committee has presented the activities conducted by the department during the academic session and members have expressed their satisfaction.</p> <p>Also, members have suggested to conduct Technical talks from industry/ academic experts to bridge the gap</p>	Approved
5	GCASSTE 2020 global conference	<p>Chairman of the DAB Committee &amp; The GCASSTE 2020 Coordinator has presented the details of the Global Conference to be jointly organized of with other two departments of the institute.</p> <p>Chairman has presented the preparedness for the smooth conduction of the upcoming GCASSTE 2020 Global Conference on 30<sup>th</sup> &amp; 31<sup>st</sup> January</p>	Reviewed

		<p>2020.</p> <p>Chairman has highlighted the grant in aid of Rs. Four Lakhs and Fifty Six thousand (Rs. 4,56,000/-) received from All India Council for Technical Education (AICTE) to conduct the conference.</p>	
6	AICTE activity program	<p>The department has selected the village "PALADAKA" for conduction of the activities proposed by AICTE under AICTE Activity Program.</p> <p>Students of 3<sup>rd</sup> semester are participated in conduction of the</p> <ol style="list-style-type: none"> <li>1) SWACH BHARATH</li> <li>2) HELPING LOCAL SCHOOLS</li> </ol> <p>programs in the selected village.</p> <p>Coordinator of AICTE Activity Program has highlighted the activities conducted and future plans.</p>	Reviewed
7	Research activities	<p>The support given by the department to enhance the research activates is presented by the HOD.</p> <p>Faculties have published 12 publications in journals/ conference in the last academic year and students have published 5 publications.</p> <p>Faculties have submitted the following proposals to various funding agencies to improve research facilities:</p> <ol style="list-style-type: none"> <li>1) Dr. M Loksha has submitted proposal under the MODROB scheme for the improving research activities in the field of vibration monitoring</li> <li>2) Dr C R Rajashekhar has submitted proposals to MODROB scheme and conduction of FDP.</li> </ol> <p>Committee has suggested to improve the publications and also to submit more research proposals.</p>	Reviewed

Meeting adjourned at 12:30P.M.



*Raventhil*



Head Mech. &lt;hodmec@mite.ac.in&gt;

## Minutes of DAB meeting held on 25th January 2020

2 messages

Head Mech. &lt;hodmec@mite.ac.in&gt;

Mon, Jan 27, 2020 at 11:41 AM

To: "Prabhakar, Kikkeri" <kikkeri.prabhakar@zeiss.com>, lokesha <lokesha@mite.ac.in>, neelakantha <neelakantha@mite.ac.in>, rameshmr@nitk.edu.in, Bola Rohith Kamath <rohithkamath93@gmail.com>, Donson D souza <donsondsouza@blackfrog.in>, Yajnesha P Shettigar <yajnesha@mite.ac.in>, "Dr. Divakara Shetty S" <deanacademics@mite.ac.in>

Cc: Principal MITE <principal@mite.ac.in>, "Head Mech." <hodmec@mite.ac.in>

### Respected DAB Members

Greeting from Mechanical Engineering Department, MITE Moodbidri.

PFA the minutes of DAB meeting held on 25th January 2020 for your kind information.

### Agendas discussed in the meeting:

1. Results analysis for the academic year 2018-19
2. Review of CO- POs/PSOs mapping
3. Attainment of CO-PO/PSO
4. Gap identification and Proposed Action
5. GCASSTE 2020 Global Conference
6. AICTE Activity Program
7. Research Activities

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2	Review of CO- POs/PSOs mapping	The committee has reviewed the CO-POs/PSOs mapping and suggested to continue the procedure of reviewing from academic experts. The committee also verified the implementation of suggestions proposed, in the course preparedness report, by the academic experts.	Approved
3	Attainment of CO-PO/PSO	The committee has observed the attainment level of all POs and PSOs. It is proposed to conduct the academic programs to improve the PO2. Also, committee has suggested to conduct Mini projects and Technical talks to improve PSO2.	Approved
4	Gap identification and Proposed Action	Chairman of the DAB committee has presented the activities conducted by the department during the academic session and members have expressed their satisfaction.	Approved

		Also, members have suggested to conduct Technical talks from industry/ academic experts to bridge the gap	
5	GCASSTE 2020 global conference	<p>Chairman of the DAB Committee &amp; The GCASSTE 2020 Coordinator has presented the details of the Global Conference to be jointly organized of with other two departments of the institute.</p> <p>Chairman has presented the preparedness for the smooth conduction of the upcoming GCASSTE 2020 Global Conference on 30<sup>th</sup> &amp; 31<sup>st</sup> January 2020.</p> <p>Chairman has highlighted the grant in aid of Rs. Four Lakhs and Fifty Six thousand <b>(Rs. 4,56,000/-)</b> received from All India Council for Technical Education (AICTE) to conduct the conference.</p>	Reviewed
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--

Best regards

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

---

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

Sat, Feb 15, 2020 at 3:13 PM

To: "Prabhakar, Kikkeri" <kikkeri.prabhakar@zeiss.com>, lokesha <lokesha@mite.ac.in>, neelakantha <neelakantha@mite.ac.in>, rameshmr@nitk.edu.in, Bola Rohith Kamath <rohithkamath93@gmail.com>, Donson D souza <donsondsouza@blackfrog.in>, Yajnesha P Shettigar <yajnesha@mite.ac.in>, "Dr. Divakara Shetty S" <deanacademics@mite.ac.in>

Sir

Thank you for your kind support

[Quoted text hidden]

### 3 ME 2018-19 CO-po Matrix Courses

1	Engineering Mathematics – III 17MAT31													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2												
CO2	3	2												
CO3	3	2												
CO4	3	2												
CO5	3	2												
Avg.	3	2												

2	Materials Science 17ME32													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3					2				1		1		
CO2	3					2				1		1		
CO3	3					2				1		1		
CO4	3					2				1		1		
CO5	3					2				1		1		
Avg.	3					2				1		1		

3	Basic Thermodynamics 17ME33													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2										1		
CO2	3	2										1		
CO3	3	2										1		
CO4	3	2										1		
CO5	3	2										1		
Avg.	3	2										1		

4	Mechanics of Materials 17ME34													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2							1					1
CO2	3	2				1			1					1
CO3	3	2	1											1
CO4	3	2	1											1
CO5	3	2	1											1
Avg.	3	2	1			1			1					1

5	Metal Casting and Welding 17ME35A													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3									1				



*Rasankumar*

CO2	3									1				
CO3	3									1				
CO4	3									1				
CO5	3									1				
Avg.	3									1				

6

## Machine Tools and Operations 17ME35B

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2									1		2		
CO2	2									1		2		
CO3	3									1		2		
CO4	3									1		2		
CO5	2									1		2		
Avg.	2.4									1		2		

7

## Computer Aided Machine Drawing 17ME36 A

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3				3					1				2
CO2	2				2					2				2
CO3	2				3					1				2
CO4	2				3					2				2
CO5	3				3					1				2
Avg.	2.4				2.8					1.4				2

8

## Mechanical Measurements and Metrology 17ME36 B

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3							1		1		1		1
CO2	3							1		1		1		1
CO3	3							1		1		1		
CO4	3							1		1		1		
CO5	3							1		1		1		
Avg.	3							1		1		1		1

9

## Materials Testing Lab

17ME37A

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2						1	2			1		
CO2	3	2						1	2			1		
CO3	3	2						1	2			1		



*Rasulur*

Avg.	3	2						1	2			1		

10

## Mechanical Measurements and Metrology Lab 17MEL37B

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1							2	2			1		
CO2	1							1	2			1		
CO3	1							2	2			1		
CO4														
CO5														
Avg.	1							2	2			1		

11

17MEL38A

## Foundry and Forging Lab

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3						1		2	1				
CO2	3						1		2	1				
CO3	3						1		2	1				
CO4														
CO5														
Avg.	3						1		2	1				

12

## Machine Shop 17MEL38B

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1					1			2			1		1
CO2	1					1			2			1		1
CO3	1					1			2			1		1
Avg.	1					1			2			1		1

13

17KL

## Kannada

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1														
CO2														
CO3														
CO4														
CO5														



1	15MES1 Management and Engineering Economics													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1						1		2	2		3			
CO2						1		2	2		3			
CO3	2					1			2		3			
CO4	2					1			2		2			
CO5	2					1			1		3			
Avg	2					1		2	1.8		2.8			

2	15MES2 Dynamics of Machinery													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2											2
CO2	3	2	2											2
CO3	2	3	3											
CO4	3	3	2											
CO5	3	3	2											
Avg	2.8	2.6	2.2											2

3	15MES3 Turbo Machines													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2									1		
CO2	3	3										1	1	
CO3	3	3												
CO4	3	3										1		
CO5	3	3											1	
Avg	3	3	2									1	1	

4	15MES4 Design of Machine Elements-I													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2											1
CO2	1	2	3											2
CO3	1	2	3											2
CO4	1	2	3											2

2018-19

5<sup>th</sup> Sem

Ratan Kumar



CO5	1	2	3											2
Avg	1.4	2	2.8											1.8

5 15ME554

Professional Elective-I-NTM

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3									1		1		2
CO2	3									1		1		2
CO3	3									1		1		2
CO4	3									1		1		2
CO5	3									1		1		2
Target(AVG)	3									1		1		2

6

15ME564

Open Elective-I: Project Managemet

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1									1	3	1		
CO2										1	3	2		
CO3										1	3	2		
CO4					1					1	3	2		
CO5	3	3									2			
Avg	2	3			1					1	2.8	1.75		

7

15MEL57

Fluid Mechanics & Machinery Lab

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2								2	1				
CO2	2								2	1				
CO3	2								2	1			1	
CO4														
CO5														
Avg	2								2	1			1	

*Ratnakar*

★ DAB ★  
Approved  
Date: 25/1/2020  
DEPT. OF MECHANICAL. ENTE

8	15MEL5E													
	Energy Lab													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2							1	1		1		
CO2	2	2					1		1	1		1		
CO3	2	2							1	1		1		
AVG	2.3	2							1	1		1		

5 sem 2018-19 (Aug-Dec 2018)

2015 Scheme

15ME M&E Management and Engineering Economics

15ME DOM Dynamics of Machinery

15METM Turbo Machines

15ME DME- Design of Machine Elements - I

15ME NTM Professional Elective-I-NTM

15ME PM Open Elective-I: Project Managemet

15ME FMm Fluid Mechanics & Machinery Lab

15ME En La Energy Lab



## 7 SEM 2018-19 (Aug-Dec 2018)

- 15ME71 Energy Engineering
- 15ME72 Fluid Power Systems
- 15ME73 Control Engineering
- 15ME745 Smart Materials & MEMS (Professional Elective - III)
- 15ME754 Mechatronics (Professional Elective-IV)
- 15MEL76 Design Lab
- 15MEL77 CIM Lab
- 15MEP78 Project Phase-1

1	15ME71	Energy Engineering												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	1					1			1				
CO2	3	1					1			1		1		
CO3	3	1					1			1		1		
CO4	3	1					1			1		1		
CO5	3						1			1				
Avg.	3	1					1			1		1		

2	15ME72	Fluid Power Systems												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3								1			2	
CO2	3	3								1			2	
CO3	3	3	1							1			1	
CO4	3									1		1	2	
CO5	3									1		1	2	
Avg.	3	3	1							1		1	2	
										1		1	1.8	

3	15ME73	Control Engineering												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3									1			3	
CO2	2	3												
CO3	3	1												
CO4	2	3												
CO5	3	3												
CO6	3	2												
AVG	3	3								1			3	



4	15ME745	Smart Materials & MEMS (Professional Elective - III)												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	1								1		1		
CO2	3									1				
CO3	3									1		1		
CO4	3									1				
CO5	3									1		1		
Average	3									1		1		

5	15ME754	Mechatronics (Professional Elective-IV)												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3									1			1	
CO2	3									1			2	
CO3	3									1			3	
CO4	3									1			3	
CO5	3	2								1			3	
Avg	3	2								1			2	

6	15ME76	Design Lab												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2							2	2				2
CO2	3	2							2	2				2
CO3	3	2							2	2				2
Target	3	2							2	2				2

7	15ME77	CIM Lab												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3				2				1	1				2
CO2	3				2				1	1				2
CO3	3													
Target	3				2				1	1				2

8	15ME78	Project Phase-i												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3			2		1	2		2	2		3	1	1
CO2	3	2	2					3	3	3	2	3		
CO3			2						3	2	2	3		
CO4		3	2	2	2				2	3	3	3	3	1
	3	2.5	2	2	2	1	2	3	2.5	2.5	2.33	3	2	1



# **EVEN Semester Feb-June 2019**

**2018-19 (Feb-June 2019)**

**Sr. N Code Course**

1	17MAT41	Engineering Mathematics-4
2	17ME42	Kinematics of Machinery
3	17ME43	Applied Thermodynamics
4	17ME44	Fluid mechanics
5	17ME45B	Machine Tools and Operations
6	17ME46 B	Mechanical Measurements and Metrology
7	17MEL47B	Mechanical Measurements and Metrology Lab
8	17MEL48B	Machine Shop/
9	17KL/CPH39/49	Kannada/Constitution of India. Professional Ethics

**C 212** | 1 | **ENGINEERING MATHEMATICS-IV**

**17ME42**

**1**  
**M4**

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2												
CO2	3	2												
CO3	3	2												
CO4	3	2												
CO5	3	2												
Avg.	3	2												

**C 213** | 2 | **KINEMATICS OF MACHINERY** **17ME42**

**2**  
**KOM**

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	1							1			1		
CO2	3	2							1			1		
CO3	3	2							1			1		
CO4	3	2							1			1		
CO5	3	2							1			1		
Avg.	3	2							1			1		

**3**

**APPLIED THERMODYNAMICS**

**17ME43**

**3**  
**ATD**

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3										1		
CO2	3	3										1		
CO3	3	3										1		
CO4	3	3										1		
CO5	3	3										1		
Avg.	3	3										1		



*Karankumar*

C 215	4		FLUID MECHANICS													
4 FM		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	
	CO1	3	1					1					1	2		
	CO2	2	2		1			1						1		
	CO3	2	2		1	1							1	1		
	CO4	2	2					2					1	1		
	CO5			1	1	3		1					1			
	Avg.	2.25	1.75	1	1	2		1.25					1	1.25		

C206B	6		MTO	17ME45B												
6			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
MTO			CO1	2								1		2		
			CO2	2								1		2		
			CO3	3								1		2		
			CO4	3								1		2		
			CO5	2								1		2		
			Avg.	2.4								1		2		

C 209 B	8		MMM	17ME46B												
8			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
MMM			CO1	3						1		1		1		
			CO2	3						1		1		1		
			CO3	3						1		1		1		
			CO4	3						1		1		1		
			CO5	3						1		1		1		
			Avg.	3						1		1		1		

C 211 B	9		Machine shop lab	17MEL48B												
9			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Machine shop			CO1	1				3			2			1		3
			CO2	1				3			2			1		3
			CO3	1				3			2			1		3
			Avg.	1				3			2			1		3

C 209 A	8		MECHANICAL MEASUREMENTS & METROLOGY LAB	17MEL47B												
8			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
VMMML			CO1	1						2	2			1		
			CO2	1						1	2			1		
			CO3	1						2	2			1		
AVG			1							1.67	2			1		



Rasul Khan

# EVEN Semester Feb-June 2019

- 15ME61 FEA
- 15ME62 CIM
- 15ME63 HT
- 15ME64 DME-2
- 15ME653 MF-Professional Elective 2
- 15ME664 TQM-Open elective 2
- 15MEI67 HT Lab
- 15MEI68 Modeling and Analysis Lab(FEA)

**C309**    1                      FINITE ELEMENT ANALYSIS (FEA)                      15ME61

<b>1</b> <b>FEA</b>		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	CO1	3	2	1											2
	CO2	3	2	1											2
	CO3	3	2	1											2
	CO4	3	2	1											2
	CO5	3	2	1											2
	Avg.	3	2	1											2

**C310**    2                      COMPUTER INTEGRATED MANUFACTURING                      15ME62

<b>2</b> <b>CIM</b>		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	CO1	1				3					1		1		2
	CO2	1				3					1		1		2
	CO3	1				3					1		1		2
	CO4	1				3					1		1		2
	CO5	1				3					1		1		2
	Avg.	1				3					1		1		2

**C311**    3    15ME63 HEAT TRANSFER

<b>3</b> <b>HT</b>		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	CO1	3	3										1		
	CO2	3	3										1		
	CO3	3	3	1									1		
	CO4	3	3										1		
	CO5	3	3	1									1		
	Avg.	3	3	1									1		

**C312**    4                      DESIGN OF MACHINE ELEMENT – II                      15ME64

<b>4</b>		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2



DME-	CO1	3	1	1									1		2
	CO2	3	1	1									1		2
	CO3	3	2	1									1		2
	CO4	3	2	1									1		2
	CO5	3	2	1									1		2
	Avg.	3	1.6	1									1		2

C313	5		METAL FORMING										15ME653		
5		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
MF	CO1	1					1				2		1		2
	CO2	1					1				2		1		2
	CO3	1					1				2		1		2
	CO4	1					1				2		1		2
	CO5	1					1				2		1		2
Average		1					1				2		1		2

C314	6		TOTAL QUALITY MANAGEMENT										15ME664		
6		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
TQM	CO1	1									1	2	1		
	CO2	1							2	2	1	1	1		
	CO3	1					2				1	1	1		
	CO4	1				2					1	2	1		
	CO5	1				1					1	2	1		
Avg.		1				1.5	2		2	2	1	1.6	1		

C315	7		Heat And Mass Transfer Lab										15MEL67		
7		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
HMT Lab	CO1	3	2		1	1							2		
	CO2	3	2		1	1							2		
	CO3	3	2		1	1							2		
	Avg.	3	2		1	1							2		

C316	8		CAMA Lab										15MEL68		
8		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
FEAL	CO1	3	3			3				2			1		2
	CO2	3	3			3				2			1		2
	CO3	3	3			3				2			1		2
	Avg.	3	3			3				2			1		2



*Ravankumar*

**2018-19 (Feb-June 2019)**

**2015 Scheme**

**8 SEM Subject Title**

C409	1	15ME81 Operations Research
C410	2	15ME82 Additive Manufacturing
C411	3	15ME83 Professional Elective - V: Green Manufacturing
C412	4	15ME84 Internship / Professional Practice
C413	5	15ME85 Project Phase - II
C414	6	15ME86 Seminar

1 Operations Research

15ME81

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2								1	1			
CO2	3	3								1	1			
CO3	3	3								1	1			
CO4	3	3								1	1			
CO5	3	3								1	1			
<b>Avg.</b>	<b>3</b>	<b>3</b>								<b>1</b>	<b>1</b>			

2 AM Additive Manufacturing

15ME82

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2								1	1		1		
CO2	2								1	1		1	2	
CO3	2								1	1		1		
CO4	2								1	1		1		
CO5	2				1				1	1		1		
<b>Avg.</b>	<b>2</b>				<b>1</b>				<b>1</b>	<b>1</b>		<b>1</b>	<b>2</b>	

GM Green Manufacturing

15ME834

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1						3			1		1		
CO2	1						3			1		1		
CO3	1						3			1		1		
CO4	1						3			1		1		
CO5	1						3			1		1		
<b>Avg.</b>	<b>1</b>						<b>3</b>			<b>1</b>		<b>1</b>		



6	Project Phase-II													
	15ME85													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3			2		1	2		2	2		3		
CO2	3	2	2					3	3	3	2	3		
CO3			2						3	2	2	3		
CO4		3	2	2	2				2	3	3	3		
Avg.	3	2.5	2	2	2	1	2	3	2.5	2.5	2.33	3		

7	Seminar													
	15MES86													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1	1			1				2	1	1	2		
CO2	1	1			1		2		2	1		2		
CO3	1	1			1			1	3	3	2	2		
CO4	1	1			2				3	2	1	2		
Avg.	1	1			1.25		2	1	2.5	1.75	1.3	2		

7	Internship													
	15ME84													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	1										
CO2	1	2	3	3	3				3	3	3			
CO3									3					
CO4						3	3							
CO5					3			3						
Avg	2	2	3	2	3	3	3	3	3	3	3			



## Department of Mechanical Engineering, MITE

### POs & PSOs Attainment Levels and Actions for improvement – 2018-19

PO's	Target level	Attainment level	Observations
<b>PO1: To apply knowledge of mathematics, science, and engineering to solve engineering problems coming under Mechanical Engineering domain.</b>			
PO1	2.54	1.82	<b>Observations:</b> 1) 72% of the target achieved. 2) Improvement in achieving the target is desirable.
Action 1: Remedial classes are proposed for the slow learner Action 2: Assignment and numerical will be incorporated to enhance learning experience. Action 3: Student will be motivated to take-up additional courses on online teaching platforms			
<b>PO2: To identify, formulate, review literature and analyze complex engineering problems and define the requirements to its solution using basic principles of mathematics and engineering sciences.</b>			
PO2	2.27	1.55	<b>Observations:</b> 1) 68% of the target achieved. 2) Improvement in achieving the target is desirable.
Action 1: Undertake industry internship after sixth semester to appreciate various facets in an organization Action 2: Conduction of technical seminars to provide an exposure to complex problem formulation and solution			
<b>PO3: To design a system or process to meet the desired needs with appropriate consideration for public health and safety.</b>			
PO3	1.39	1.04	<b>Observations:</b> 1) 62% of the target achieved. 2) Improvement in achieving the target is desirable.
Action 1: Motivate students to develop simple projects to meet the specified needs with consideration of public health and safety. Action 2: Motivate students to actively participate in SAE activity where they will be exposed to design of various automotive components			
<b>PO4: To conduct investigation to solve problems applicable to the engineering discipline efficiently that may not have a unique solution.</b>			
PO4	1.67	1.26	<b>Observations:</b> 1) 75% of the target achieved. 2) Improvement in achieving the target is desirable.

*Ravindra*



Action 1: Identification of complex problems that may not have unique solutions and discussion of them during regular class hours by real considering real time examples. Action 2: Participation in Car making project organized by BAJA SAE India, ISIE etc Action 3: Proposed to conduct a seminar on failure analysis to show its importance, complexity and mitigation methods. Action 4: A technical seminar on application of artificial intelligence in mechanical engineering is proposed

PO5: To create and use modern engineering and IT tools and apply appropriate techniques, resources with an understanding of the limitations.

PO5	2.12	1.59	<b>Observations:</b> 1) 75% of the target achieved. 2) Improvement in achieving the target is desirable..
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Action 1: Use of advanced modeling and design software such as NX10, FEEMAP etc. available in the department for better understanding Action 2: To undertake hands on training about IoT and Matlab

PO6: To apply the knowledge for societal, health, safety, legal, and cultural issues in the professional engineering practice.

PO6	1.50	1.06	<b>Observations:</b> 1) 51% of the target achieved. 2) Improvement in achieving the target is desirable.
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Action 1: Motivate the students to take up Blood donation take-up Swach Bharath Abhiyan Action 2: To undertake academic projects that address safety and health issues

PO7: To apply the knowledge on the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge for sustainable development.

PO7	1.62	1.06	<b>Observations:</b> 1) 75% of the target achieved. 2) Improvement in achieving the target is desirable.
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Action 1: Projects that do not impact the environment adversely shall be promoted Action 2: A Technical talk directed to spread awareness on societal and environmental responsibilities of engineers is proposed

PO's	Target level	Attainment level	Observations
------	--------------	------------------	--------------

PO8: To apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.



PO8	1.88	1.34	<b>Observations:</b> 1) 71% of the target achieved. 2) Improvement in achieving the target is desirable.
<b>Action 1:</b> Expert talks need to be organized to improve the knowledge of students about professional ethics and their responsibilities.			
<b>PO9:</b> To function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			
PO9	1.83	1.36	<b>Observations:</b> 1) 74% of the target achieved. 2) Improvement in achieving the target is desirable.
<b>Action 1:</b> entrepreneurship development program shall be introduced in the ensuing semester <b>Action 2:</b> Motivate to participate in automotive club where they design and fabricate components, build the vehicle and participate in national level events <b>Action 3:</b> Developing team leadership in individuals to coordinate work during workshops <b>Action 4:</b> Promotion of online courses where individual skills are enhanced <b>Action 5:</b> Promoting presentations of technical information in conferences as an individual and in a team.			
<b>PO10:</b> To communicate effectively on complex engineering activities with the engineering community and with the society and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.			
PO10	1.25	0.92	<b>Observations:</b> 1) 74% of the target achieved. 2) Improvement in achieving the target is desirable.
<b>Action 1:</b> Communication sessions to effectively improve engagement during tasks <b>Action 2:</b> Student seminars on various topics <b>Action 3:</b> Promoting presentations of technical information in conferences as an individual and in a team <b>Action 4:</b> conducting peer learning and group discussions			
<b>PO11:</b> To apply the engineering and management principles to one's own work, as a member and leader in a team, to manage projects in multidisciplinary environments.			
PO11	2.26	1.57	<b>Observations:</b> 1) 86% of the target achieved. 2) Improvement in achieving the target is desirable.



<p>Action 1: Motivate students to develop the projects like SAE BAJA, GO KART to develop managerial skills and meet the specified needs /considerations.</p> <p>Action 2: Students will be trained in their final year project to comprehend and write the effective reports and make effective presentations</p> <p>Action 3: Total Quality management and Project Management electives shall be offered to understand managerial know-how</p>			
PO12:To engage life-long learning to meet the technological changes.			
PO12	1.18	0.89	<p>Observations:</p> <p>1)76% of the target achieved.</p> <p>2) Improvement in achieving the target is desirable.</p>
<p>Action 1: Students are encouraged to peruse higher education and prepare for various competitive exams</p> <p>Action 2: Provide a brief history of a technology t and its current status thereby through seminars showing its evolution to stress on life-long learning</p> <p>Action 3: To promote student participation in hands-on-training workshops</p>			
PSO1: Acquire knowledge in Hydraulics & Pneumatics, PID controllers and processes automation.			
PSO1	1.81	1.13	<p>Observations:</p> <p>1) 63 % of the target achieved.</p> <p>2) Improvement in achieving the target is desirable.</p>
<p>Action 1: A short term course on "Hydraulics and Pneumatics" is proposed</p> <p>Action 2: Final year major projects based on "Hydraulics and Pneumatics" is proposed</p>			
PSO2: Excel in Principles of Engineering Design, Analysis and Manufacturing of Mechanical Components to meet the Industrial requirements.			
PSO2	1.73	1.24	<p>Observations:</p> <p>1) 72%of the target achieved.</p> <p>2) Improvement in achieving the target is desirable.</p>
<p>Action 1: Minor projects that provide practical approach to better understanding of design problems</p> <p>Action 2: Academic projects that deals with concepts of design and analysis</p> <p>Action 3: Interaction of students with industry experts to gain technical knowledge</p>			

Ratankar



## 7. Outcome of Enrichment of Teaching -Learning Process

Sl. No	Particulars	Page No
7.1	University ranks obtained by students	85
7.2	Students Winning Awards in Various competitions	86
7.3	Student placed in Company	92
7.4	Student proposals Incubated at MITE	93
7.5	Student proposals Funded by KSCST	111
7.6	Student progressed for higher studies	112

## **LIST OF UNIVERSITY RANKS ACHIEVED**

Academic Year	No of University Ranks Secured	Link For Detailed Info
2019-20	6	<a href="#">Link For Detailed Info</a>
2018-19	7	<a href="#">Link For Detailed Info</a>
2017-18	4	<a href="#">Link For Detailed Info</a>



## MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

(An ISO 9001:2015 Certified Institution)

(A unit of Rajalaxmi Education Trust ®)

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

### Students Winning Awards in various competitions 2019-20

#### 1. MITE Awarded as the 'Best Performing College of the Year' at KSCST State Level Annual Student Project Program 2020



Mangalore Institute of Technology & Engineering (MITE), Moodabidri was today awarded as the 'Best Performing College of the Year 2020' at the 43rd series of the Student Project Program of Karnataka State Council for Science and Technology (KSCST). The Award Ceremony was conducted through Virtual Mode on Monday, September 21st, 2020. Also, Four Projects from MITE were awarded the "Best Project of the year -2020". The event is supported by the Department of Science & Technology of State Government through KSCST. A total of 23 Innovative Projects from MITE had bagged sponsorship through KSCST in the year 2019-20.

## 2. Four Projects Awarded as the ‘Best Project of the Year’ at KSCST State Level Annual Student Project Program 2020

Four Student Projects of MITE were today awarded as the ‘Best Project of the Year 2020’ at the 43rd series of the Student Project Program of Karnataka State Council for Science and Technology (KSCST). The Award Ceremony was conducted through Virtual Mode on Monday, September 21st, 2020.

1. The project “Design and Modeling of a Vertical Axis Wind Turbine to extract energy from Highways to Power Electric Vehicle charging Stations” by Sanjay M V, Clavin W Sequeira, T D Teeshma, and Vishalakshi T B was guided by Mr. Vishwareetha K R, Assistant Professor of the Department of Aeronautical Engineering.



2. The project “Generation of Photo Realistic Images using GAN and SPADE” by Adarsh K R, Akshaya M, Shubham Dogra was guided by Dr. Venkatramana Bhat P, Professor & Head of the Department of Computer Science & Engineering.



3. The project “Intelligent Wiper system for Vehicles” by Arun Kumar, Prasad, Suman P N, Vishwanatha J was guided by Mr. Dony A D’Souza, Sr Asst Professor of the Department of Electronics & Communication Engineering.



4. The project “Remote operated Arecanut plucking and spraying Machine” by Pramith Shetty, Venkatesh Prabhu N, Rakesh, Ashwin K was guided by Mr. Purandara Naik and Mr. Bhanuprakash H S, Asst Professor of the Department of Mechanical Engineering



### 3. MITE SECURES 6TH & 9TH PRIZE IN ANVESHANA- A STATE LEVEL PROJECT COMPETITION



*Students of MITE receiving 6th and 9th prize in Anveshana*

The 9th series of the Anveshana -2020 witnessed a team from Civil Engineering and another from Mechanical Engineering Department of MITE win the 6th and 9th prize respectively at the state level. The Championship organized by the Agastya International Foundation in association with Synopsys was held from 25th to 27th February 2020 held at Bangalore. The event which had over 900 innovative project submissions from across the state had 49 teams from 36 Engineering colleges for the finale at Bangalore. Three teams from MITE were selected for the finale from the department of Civil Engineering, Mechanical Engineering and Electronics and Communication Engineering. The project 'Remote operated arecanut plucking machine' by Pramith Shetty and Venkatesh guided by Mr. Bhanuprakash of the department of Mechanical Engineering won the 6th place. The project 'Sea sand concrete for Green India' by C.K. Harshitha and Chaitra Taranath, who was guided by Dr. Jayprakash M.C. of the Department of Civil Engineering bagged the 9th place.

#### 4. MITE GO-KART TEAM RECEIVES “FUTURE AWARD” BY ISIE-INDIA IN INDIAN KARTING RACE

MITE Go-Kart car participated in INDIAN KARTING RACE 2020 organized by ISIE-INDIA from 21<sup>st</sup> -25<sup>th</sup> January 2020 at RPM circuit Bhopal. The team was Awarded “FUTURE AWARD” and received cash prize of INR 10K in the event.



*MITE Go-Kart team receives “Future award by ISIE*

#### 5. MITE SECURES FIRST PRIZE IN VTU TEQIP STATE LEVEL PROJECT COMPETITION – AVISHKAR 2020.

The Project Competition ‘Avishkar’ was conducted by VTU TEQIP cell for pre final year UG and PG students involved in technical education. The objective of this event was to promote scientific thinking and bring out innovation to address the modern requirements of the society. Students involved in projects related to various



topics such as women safety, Swachh Bharath, Swasth Bharath, Digital India, Green energy were encouraged to participate and compete intensely in this event. The competition consisted of a bi-level and a final round scrutiny by experts in the above field to bring out the best among the competing teams.

A total of 120 Teams were shortlisted for the Second round from the participating 350 Teams, and the teams that made through the second level of the event entered the final leg of the

competition. Two Student Teams of MITE had participated in the Competition. The Award winning Project “Medical Emergency Drone” (MED) participated in the general category of the event. The project involved meticulous planning, execution and numerous alterations to the prototype during the various stages of development that led to the optimal performance of the final working model. The aim of this project was to deliver an Automated External Defibrillator in the shortest span of time to the required location. Data collection by MED from the Hospital and execute it on the patient in optimum time without the necessity of personnel involved is a unique feature attained in this work by the team. This also would facilitate improved survival chances of a patient.

**For More Detailed Information Click on below links**

Academic Year	Link For Detailed Info
2019-2020	<a href="#">Link For Detailed Info</a>
2019-2018	<a href="#">Link For Detailed Info</a>
2018-2017	<a href="#">Link For Detailed Info</a>
2017-2016	<a href="#">Link For Detailed Info</a>
2016-2015	<a href="#">Link For Detailed Info</a>



## MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

(An ISO 9001:2015 Certified Institution)

(A unit of Rajalaxmi Education Trust ®)

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

### List of Students Placed in Company

Academic Year	No of Students Placed	Link For Detailed Placement Statistics
2019-20	410	<a href="#">Click Here</a>
2018-19	422	<a href="#">Click Here</a>
2017-18	445	<a href="#">Click Here</a>
2016-17	410	<a href="#">Click Here</a>
2015-16	357	<a href="#">Click Here</a>

[Click here to go back to INDEX](#)

## **LIST OF STUDENT'S IDEA INCUBATED AT MITE**

Name	Additional Link
<b>Ideas Incubated</b>	<a href="#"><u>CLICK HERE</u></a>
<b>Grants for Incubation</b>	<a href="#"><u>CLICK HERE</u></a>
<b>Activities Report of 2019-20</b>	<a href="#"><u>CLICK HERE</u></a>
<b>Activities Report of 2018-19</b>	<a href="#"><u>CLICK HERE</u></a>
<b>Activities Report of 2017-18</b>	<a href="#"><u>CLICK HERE</u></a>
<b>Entrepreneurs from MITE</b>	<a href="#"><u>CLICK HERE</u></a>

***To have a look at the Incubation Center – [Click here](#)***

Grants received from Government and non-governmental agencies for research projects, endowments in the institution during the last five years						
Sl No	Name of the Project/ Endowments, Chairs	Name of the Funding Agency	Department of Principal Investigator	Year of Award	Amount Sanctioned in Lakhs	Total INR in Lakhs
<b>KTECH</b>						
1	Instant NPK Analyser	Karnataka Innovation and Technology and Society(KTECH)	Chemistry	2019-20	2.45	<b>48.802</b>
2	Areca Sprayer		Computer Science & Engineering		2.33	
3	Godsend: A helping hand at times you need		Computer Science & Engineering		2.55	
4	The Food Ambulance		Computer Science & Engineering		2.657	
5	Agua- Smart bottle		Electronics & Communication Engineering		2.46	
6	Medical Emergency Drone		Mechanical Engineering		2.59	
7	Polarised wind shield glass for vehicles		Mechanical Engineering		2.69	
8	Airit		Mechanical Engineering		2.72	
9	Dehusking & segregation of Arecanuts		Mechatronics Engineering		2.682	
10	TouchReno: Home Renovation App		Computer Science & Engineering		2.398	
11	Quadcopter in Agriculture		Computer Science & Engineering	2018-19	2.74	
12	Lifeline: Portable Device that Detects Various Health Problems		Computer Science & Engineering		2.12	
13	Agrobox		Computer Science & Engineering		2.85	
14	Walktron: Piezo-Electric Shoe		Electronics & Communication Engineering		2.75	
15	Kitchen Yantra: SCHSA System		Electronics & Communication Engineering		2.35	
16	Rakshak: Smart Safety Locket		Electronics & Communication Engineering		1.95	
17	Home Chef		Information Science & Engineering		1.565	
18	Vajra Technomobiles		Mechanical Engineering		2.95	
19	Agrobased Automatic Neera Tapping machine		Mechanical Engineering		1.85	
20	AreKlimber		Mechatronics Engineering		2.15	

To  
The Principal,  
Mangalore Institute of Technology and Engineering,  
Dakshina Kannada - 574225

Date: 11-03-2019

Dear Sir,

Sub: Declaration of project evaluation results reg.

We are pleased to inform you that the projects submitted by the NAIN centre of your college have been evaluated. Please find enclosed hereby the list of projects that have qualified for the Students Project Fund under the NAIN scheme.

Kindly ensure that the project cost should not surpass the grant limit of Rs. 3 lakh per project.

Thanking You

Yours faithfully

[Dr. Sandhya R Anvekar]

Head: Skilling

NAIN - KITS

**Evaluation Details:**

Sl. No.	Project Title	Project Cost
1	Piezo Electric Shoe	2,75,000/- ✓
2	Quad-copter in Agriculture	2,74,000/- ✓
3	Agro Box	2,85,000/- ✓
4	Smart Safety Locket	1,95,000/- ✓
5	SCHSA – System	2,35,000/- ✓
6	Agro Based Automatic Neera Tapping Machine	1,85,000/- ✓
7	Areklimer: Design and Fabrication of Semi-Automated Areca Nut Tree Sprayer and Harvester Machine	2,15,000/- ✓
8	Vajra Technomobiles	2,95,000/- ✓
9	Lifeline : Portable device that detects various health problems	2,12,000/- ✓
10	HOME CHEF	1,56,500/- ✓
Total		23,27,500/- ✓

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To,  
The Principal,  
Mangalore Institute of Technology and Engineering,  
Dakshina Kannada – 574225

Date: 19-01-2021

Dear Sir,

Sub: Declaration of Batch-2 project results reg.

We are pleased to inform you that the projects submitted by the NAIN center of your college have been evaluated. Please find the enclosed hereby the list of projects that have qualified for the students project fund under NAIN scheme.

Kindly ensure that the project cost should not surpass the grant limit of **Rs. 3 Lakh per project as** per the guidelines.

Thanking You

Yours faithfully



[Praveen K N]

GM- Skilling, KITS

**MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI**  
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**MITE NAIN INCUBATION CENTER**

SL. No.	Title	Team lead	Semester	Department	Contact	Mentor	Fund applied for (in Lakhs)	Fund granted (in Lakhs)
1	Instant NPK Analyser	Jayantha Nayak	5	ECE	9483412141	Guruprasad A M	2.8	2.45
		Ghanashyam B	5	MTR				
		Yash S Jogi	5	MTR				
		Niranjana Kamath	5	ME				
		Shreesha Bhat	5	ISE				
		Manoj P	5	ECE				
2	Godsend: A helping hand at times you need	Shashan Ram	7	CSE	6362785581	Shreekumar	2.85	2.55
		Vineeth V Pai	7	CSE				
		Akshay A S	7	CSE				
3	Medical Emergency Drone	Langston P Fernandes		ME	7348945501	Dr. C R Rajashekar	3.7	2.59
		Smitha Prabhu	5	ECE				
		Royston Parambil	5	MTR				
		Vishisht P	5	ECE				
		Nishal	7	ECE				
		Someya K	5	CSE				
4	Areca Sprayer	Bhavesha Sharma	5	MTR	9535415926	Shivaprasad T K	2.45	2.33
		Karthik K Kumar	7	CSE				
		Avinash Godvin	7	CSE				
		Bharath Kumar	7	CSE				
		Derryl Ashwin	7	CSE				
		Karthikeya V	7	CSE				
5	Agua- Smart bottle	Mithun N	7	CSE	6361030955	Swapna Srinivasan & Praveen Shenoy	2.85	2.46
		Sameeksha	5	MTR				
		Manuel	5	MTR				
		Nagashree	5	MTR				
		Shafail	5	CV				
		Mohd. Nabhan	7	CSE				
6	The Food Ambulance	Aayush Aman	7	CSE	9901710336	Shivaprasad	2.9	2.657
		Prem shankar Mishra	7	CSE				
		Mohd. Sahil	7	ME				
		Alifa shaikh	7	CSE				
		Aishwarya K	7	CSE				
		Animesh Mehta	7	CSE				
7	TouchReno: Home Renovation App	Sabith Ahmad	7	MTR	7349380764	—	2.7	2.398
		Mohd. Nooruzumaan	7	CSE				
		Abhijith B	7	ME				
8	Airit	Mohd. Faisal	7	ME	7760006193	Dr. Gajanan Naik	3.4	2.72
		Sanjay M	7	ME				
9	Polarised wind shield glass for vehicles	Abhay Kumar	7	ME	9606434486	Swaroop	2.8	2.69
		Nishanth Raj	7	ME				
		Pavan K.	7	ME				

		Manthan Shetty	7	ME				
		Akshay A S	7					
10	Dehusking & segregation of Arecanuts	Krishnamoorthy K	Alumni-Accelerlab Technologies	CSE	8277074305	Glenson Toney	3	2.682
		Anantha P	Alumni-Accelerlab Technologies					

  
**Manager**  
 MITE NAIN Incubation Center  
 K-Tech Innovation Hub  
 Mangalore Institute of Technology & Engineering  
 Badaga Mijar, Moodbidri-574225



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## NEW AGE INNOVATION NETWORK(NAIN)

*August 16, 2021*

MITE has set up a conducive ecosystem for the startup culture to flourish with the best infrastructure, training, and mentorship. The Center has received a grant of INR.1.2 Crores through the **New Age Innovation Network (NAIN)** Scheme from the **Karnataka Innovation and Technology Society (KITS), Department of Electronics, IT, BT, and S&T, Government of Karnataka**. Every year 10 innovative student business ideas are supported with seed funding of upto INR. 3 Lakhs along with the necessary infrastructure, technical and legal aid.

### **DETAILS OF THE FUNDING FOR BATCH 1 SEED FUNDED IDEAS THROUGH THE NAIN SCHEME**

Number of Ideas Seed funded: **10**

CAPEX(Capital Expenses) Fund sanctioned from KITS: **INR. 23,27,500**

CAPEX Fund released from KITS: **INR. 14,70,000**

CAPEX Funds utilized till 16/8/2021: **INR. 7,76,821**

OPEX (Operational Expenses) Fund released from KITS: **INR. 9,90,000**

OPEX Fund supported from the Rajalaxmi Education Trust: **INR. 3,00,000**

### **DETAILS OF THE FUNDING FOR BATCH 2 SEED FUNDED IDEAS THROUGH THE NAIN SCHEME**

Number of Ideas Seed funded: **10**

CAPEX Fund sanctioned from KITS: **INR. 25,52,900**






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## DETAILS OF THE IDEAS SEED FUNDED AND ONGOING AT THE MITE NAIN INCUBATION CENTER IN PHASE 1

Sl. No	Project Title	Team Members	Picture of Prototype	Status	Fund sanctioned (in INR)	Fund utilized (in INR)
1	Vajra Technomobiles	1.Ramesh K M 2.Vinaykumar Naik 3.Supreeth 4.Naveen Karkada		Prototype completed. Testing in progress.  Registered as Trividtrans Pvt. Ltd. CIN: U80904KA2019PTC122044 Shivakrupa, 3rd Cross, 1st Main, Nrupatunga Extension, Jayanagar West, Tumakuru, Karnataka 572102	295000	183077
2	Agrobox	1 Subhash M S 2 Ditesh Kumar 3 Akshay P D 4 Gagandeep		Prototype completed. Testing of data on the Mobile application in progress.  Registered as Technoclog LLP on 4/2/2021. Registration number: AAV-7227 Golden Point Building, Jumma Masjid Rd, Moodubidire, Mudbidri, Karnataka 574227	285000	61234
3	Neera Tapping Machine	1 Abhiram S 2 Thejus Prakash 3 Aravind M 4 Diljith N		Prototyping in progress. Applied for Patent and initial publication completed.  Patent Filed. Application number 201841015038A and initial publication completed.	185000	-








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Sl. No	Project Title	Team Members	Picture of Prototype	Status	Fund sanctioned (in INR)	Fund utilized (in INR)
4	Quadcopter in Agriculture	1. Poornachandra S Goudar 2. Syed Shoeab 3. Manoj Kumar M 4. Ashirvad A 5. Arpith S 6. Adarsh Ravenkar 7. Akshaya M		Prototype completed. Algorithm developed. Final integration in progress.	274000	209074
5	SCHSA System	1. Chandan 2. Sumanth C Jain 3. Shrikanth Gowda 4. Subraya Nayak 5. Soorya Prakash		Prototyping and app integration completed.	235000	70150

Sl. No	Project Title	Team Members	Picture of Prototype	Status	Fund sanctioned (in INR)	Fund utilized (in INR)
6	Areklimer	1.Edwin Thangachan 2.Omkar Manjare		Prototype completed	21500	136136
7	Lifeline	1.Ashish S K. 2.Amogh A Rao 3.Abhinav Shet 4.Syed Mohammed Anas		PCB design completed. Prototyping in progress.	212000	21103
8	Home Chef	1.Niranjana Malya 2.Joy D'Souza 3.Amrita S 4.Bangera 5.Praneeth R K		App development completed. Payment gateway integration in progress.	156500	7751





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Sl. No	Project Title	Team Members	Picture of Prototype	Status	Fund sanctioned (in INR)	Fund utilized (in INR)
9	Smart Safety Locket	1 Vilas Shetty 2 Sanjay T R 3 Shilpa J 4 Srujana M		Prototype completed. Final casing in progress	195000	54255
10	Walktron	1 Upwal Sahani 2 Sequena Harvin 3 Divyashree shetty 4 Megha S Navak		Prototype completed. App integration in progress	275000	34041



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## **DETAILS OF THE IDEAS SEED FUNDED AND ONGOING AT THE MITE NAIN INCUBATION CENTER IN PHASE 2**

<b>Idea and Seed fund granted(in INR)</b>	<b>Abstract of the incubated Idea</b>
MED E-Drones 2.55 Lakhs	The team aims to cater to a large Indian population that still has issues accessing emergency medical facilities. Lack of medical infrastructure, poor road conditions worsen the cases during emergencies and cases when first-hand medical aid is essential to prevent casualty. The team is working on developing a Medical Emergency Drone which can travel faster and mitigate infrastructural issues. The drone can give AED in emergency cases, carry the medicines so that a trained practitioner at the scene would have not been possible. This drone would help stabilize the patient till the medical services arrive or the patient could be taken over to a nearby hospital which can be critical.
AGUA - The Smart Water Bottle 2.46 Lakhs	Smart water bottles are a huge breakthrough for those of us trying (and sometimes failing) to be healthier. Agua the Smart bottle, tracks users' water intake and is typically sync with a mobile phone app to keep hydration cues updated in real-time and chart the goals. This bottle is one of the best smart water bottles for those who need constant reminders because it glows to remind the user to keep drinking water. The smart bottle is accustomed to an app that would have BMI information and also provides workout routine or extra goals that need to be achieved.
The Food Ambulance 2.65 Lakhs	The team of Computer Engineers intends to tap on the avenues of food delivery services at night in tier 2 cities. The Food Ambulance is being developed to have on-demand food delivery services with additional features for night mode, subscriptions & food levels when compared to the features that customers are enabled with the current food delivery ecosystem. It will be all one place for all the food cravings with exhaustive features.
ShieldX 2.69 Lakhs	The team is developing polarised windshield glasses for cars as the light is usually scattered in all directions, but when it's reflected from flat surfaces, it tends to become polarised and this creates an annoying effect and sometimes tends to become dangerous causing glare and reduces visibility. Polarised lenses contain a special filter that blocks this type of intense reflected light, reducing glare. The team is using a composition of polarised glasses for the windshield. These are anti-glare glasses that will protect eyes from Troxler's effect and ensure clarity and control by transforming distorted and distracting light into a crystal clear view.



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SprayIT 2.33 Lakhs	The team is developing an intelligent sprayer for the areca nut plantations as it is a predominant crop in the Dakshina Kannada region. The machine will optimize the chemical spraying mechanism by spraying only the required amount of chemical to areca nuts, which are developed using machine learning algorithms. The project indeed is a savior for the farmers who are witnessing a dearth of skilled labor already. The machine with its detachable tool heads enables the operator to use the product as a sprayer or harvester. The camera-based system reduces workload, achieves high safety, and also reduces the fatigue of laborers.
Nutri-Track 2.45 Lakhs	The team is developing a portable Instant NPK Analyser to aid farmers. The user-friendly device would test the soil instantaneously, accurately and would be cost-effective. This instrument is a step towards helping farmers to pursue scientific farming. While this would tremendously help in reducing soil degradation and exploitation due to excessive use of fertilizers it also would be a step towards improving productivity due to usage of the right fertilizer in the right quantity. The idea will also be associated with a Mobile Application that will predict the amount of fertilizers required for a particular crop the farmer wants to grow. A non-poisonous healthy food can be produced.
Accelerlab Technologies 2.68 Lakhs	Arecanut is one of the important commercial crops of India and is concentrated in the South Western and North Western regions of India. Their grading is done normally into four types based on their quality and is done manually and is laborious. The team is automating the process using image processing techniques and Artificial Intelligence, to dehusks and grade it as per the quality by extracting the features. The team intends to improve on the efficiency and also the time of operation for the de-husking and grading.
AirAlong 2.72 Lakhs	A major issue that bicycle riders face is unexpected flat tires and with an annual production of around 15 million units in India, the team looks at developing a viable solution to this issue. Unlike four-wheelers, riders cannot carry a puncture kit with them. To add to the woe, garages are not to be found too often on the Indian roads. The team is developing a kit that would be embedded near the suspension system. The linear motion of the suspension would be used to compress air into the compressor. This would be a plug-in that is compact, efficient, and feasible.
Touch Reno 2.4 Lakhs	The team is developing a mobile application that will allow the customer to design or renovate the interior using their Phone. With a click of the space and the user would be able to virtually place furniture and other interior elements, view them, and plan a layout through the application. A user would then be able to compare different products, their sizes, and also the price. Then the user would be able to order the same products using the app. The user would also have options to take professional help through the consultants and reduce the chaos and trouble of designing the interiors.



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Synchronous 2.55 Lakhs	The team is deploying a platform-GODSend for the police force, fire fighters, hospitals, or any emergency squad to get instant and briefly described scenarios of an incident around their locality or even beyond. The process initiates with a click, from the app on the user's phone who captures photographs of the scenario. The app analyzes the image using Machine learning algorithms and the details like precise location of the capture such as city, locality as well as landmark which will be fetched from geo-locator along with captured image and will be sent to firebase. This will be sorted and categorized to be displayed in the web front end to monitor, quickly respond and act immediately to reduce further damage or catastrophic effects.
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District Innovation Associate

**Manager**

MITE NAIN Incubation Center

K-Tech Innovation Hub

Mangalore Institute of Technology & Engineering

Badaga Mijar, Moodbidri-574225

Principal

Principal

Mangalore Institute of Technology & Engineering

Badaga Mijar, MOODBIDRI - 574 225



Department of IT, BT,& ST, Govt of Karnataka



**INNOVATE**  
**KARNATAKA**

**k-tech**  
**INNOVATION HUB**



**MITE - NAIN**  
**INCUBATION CENTRE**



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**New Age Innovation Network (NAIN)**

An initiative of Karnataka Innovation & Technology Society,  
Department of Electronics, IT, BT, and S&T, Government of Karnataka

**IDEAS SEED FUNDED AT THE MITE NAIN CENTER IN PHASE I  
(NEW AGE INNOVATION NETWORK SCHEME)**

Sl. No.	Idea	Seed Fund(in INR)
1	Piezo-Electric Shoe	2,75,000
2	Quadcopter in Agriculture	2,74,000
3	Agrobox	2,85,000
4	Smart Safety Locket	1,95,000
5	SCHSA System	2,35,000
6	Neera Tapping Machine	1,85,000
7	AreKlimber	2,15,000
8	Vajra Technomobiles	2,95,000
9	Lifeline: Portable Device	2,12,000
10	Home Chef	1,56,500



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**New Age Innovation Network (NAIN)**

An initiative of Karnataka Innovation & Technology Society,  
Department of Electronics, IT, BT, and S&T, Government of Karnataka

**IDEAS SEED FUNDED AT THE MITE NAIN CENTER IN PHASE II  
(NEW AGE INNOVATION NETWORK SCHEME)**

Sl. No.	Idea	Seed Fund(in INR)
1	Areca Sprayer	2,33,000
2	Airit: Emergency device for two wheelers	2,72,000
3	Arecanut dehusker	2,68,200
4	Godsend: A helping hands at need	2,55,000
5	Medical Emergency Drone	2,59,000
6	Instant Soil analyser	2,45,000
7	Polarized windsheild for vehicles	2,69,000
8	Agua: The smart water bottle	2,46,200
9	TouchReno: Home rennovation app	2,39,800
10	The Food Ambulance	2,67,500



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### List of Student Proposals Funded by KSCST

Karnataka State Council of Science & Technology (KSCST) provides financial and academic support for B.E Projects. This program is a unique experiment in Karnataka and it is also a major innovation and first of its kind in technical education in the country and has a major impact in improving the quality of technical education. Receiving Funding from KSCST assures the quality and excellence of a project carried out by final year students. More than 200 colleges participates throughout the country, under which our students have received the sponsorship for various projects which are listed below

Academic Year	No of Projects Funded by KSCST	Link for detailed Report
2019-20	23	<a href="#">View Sanction Order</a>
2018-19	28	<a href="#">View Sanction Order</a>
2017-18	11	<a href="#">View Sanction Order</a>
2016-17	16	<a href="#">View Sanction Order</a>
2015-16	14	<a href="#">View Sanction Order</a>



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### **Number of Students Progressed for Higher Education**

<b>Academic Year</b>	2019-2020	2018-19	2017-18	2016-17	2015-16
<b>No of Students Progression to Higher Education</b>	24	35	60	46	42

## Number of Students Progressed for Higher Education



**MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING**

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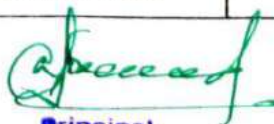
(A unit of Rajalaxmi Education Trust, Mangalore<sup>®</sup>)

Badagamijar, Moodabidri-574225

### *List of students Enrolled in higher education between 2015-20*

**Table: List of MITE students pursuing/pursued Higher Education at reputed Institutes in the academic year 2019-20**

Sl. No.	Student	Graduated Program	Institute Name	Enrolled program
1.	Ashwanth Dhanish M	Aeronautical Engineering	University of Greenwich	MBA in International Business
2.	Dane Rubert Saldhna		Ecole Nationale de Aviation Civile	Masters in International Air Transport Operations Management
3.	Madhurima T Londhe			
4.	Sonu N		Manipal Academy of Higher Education	M.Tech in Aerospace Engineering
5.	Pragathi A.P	Civil Engineering	Ramaiah University, Bengaluru	M. Tech in Environmental Engineering & Management
6.	Akshataa Arun Acharya		MIT, Manipal	M. Tech in Media & Communication
7.	Anupama J		Siddaganga Institute of Technology & Management, Tumukur	M. Tech in Transportation Engineering & Management
8.	Monisa B		Bapuji Institute of Engineering & Technology, Davanagere	M. Tech in Structural Engineering
9.	Neha Shetty		NMAM Institute of Technology, Nitte	M. Tech in Structural Engineering
10.	Lisha D Souza	Computer Science & Engineering	Robert Gordon University, a Scottish University	MS
11.	Hridya Harish		The University of Strathclyde in Glasgow, Scotland	MSc in Advanced Software Engineering
12.	Shanth Kumar B		Manipal Academy of Higher Education (MAHE)   Manipal	ME (Big Data and Data Analytics)
13.	Shrirathna K G		Manipal Academy of Higher Education (MAHE)   Manipal	ME (Internet of Things)
14.	Reeve Vinith Martis	Electronics & Communication	Dublin Business School	Master of Science in Data Analytics



Principal

Mangalore Institute of Technology & Engineering  
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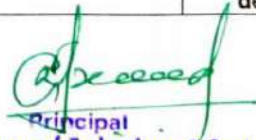
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15.	Sijith Cyriac		Anglia Ruskin University	Master of Science in International Business [CPY]
16.	Nidhi D Shetty		Jagadish Shetty School of Management	MBA, Finance
17.	Nisarga Kalagi		S.D.M College of Engineering and Technology, Dharwad	M. Tech, Digital Electronics
18.	Vilas M C	Information Science and Engineering	International School of Management Sciences, Bangalore	MBA (Global MBA & PGPM)
19.	Karthik Naik	Mechanical Engineering	KLE Technological University (BVB) Hubli	M. Tech
20.	Shivananda B Nayak		CMS business school	MBA
21.	Shetty Tanmay Nandesh		Macquarie University-Sydney, Australia	M.S
22.	Vishal Kenny		Manipal University (MAHE)	M Tech
23.	Iral Patricia	Mechatronics Engineering	The University of ADELAIDE, Australia	Master of Engineering (Mechatronic Engineering)
24.	S Sakthi Vikneshwar		CZECH Technical University, PRAGUE	Cybernetics and Robotics,

  
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**Table: List of MITE students pursuing/pursued Higher Education at reputed Institutes in the academic year 2018-19**

Sl. No.	Student	Graduated Program	Institute Name	Enrolled program
1.	Prathika P Shetty	Aeronautical Engineering	ISAE ENSMA	MS in Aeronautics and Space - track Aeronautical Mechanics and Energetics (AME)
2.	Thilak M Naik	Civil Engineering	Manipal Institute of Technology, Manipal	M. Tech in Environmental Engineering
3.	V L Sulakshith			M. Tech in Environmental Engineering
4.	Nishan T			M. Tech in Environmental Engineering
5.	Bhagyashree Shenoy			M. Tech in Structural Engineering
6.	Madhumurthy		Jawaharlal Nehru National College of Engineering, Shivamogga	M. Tech in Transportation Engineering
7.	Shaswathi Shetty		NMAM Institute of Technology, Nitte	M. Tech in Structural Engineering
8.	Sreerej Mullathody			
9.	Varsha	Computer Science & Engineering	Manipal Academy of Higher Education (MAHE)   Manipal	M.E. (Big Data and Analytics)
10.	Prathiksha Pai		NMAMIT, NITTE	M. Tech (Computer Science Engineering)
11.	Joswy Pio Barboza		BRUNEL UNIVERSITY LONDON	M. S
12.	Shifali Kotian		Northumbria University London	MASTER OF SCIENCE COMPUTING AND TECHNOLOGY
13.	Sweta Javkar		UK	M. S
14.	Ashmith Anoop Kumar		California State University, USA	Master of Science- Info Sys & Tech- Bus Intel
15.	Sourabh Kotamul		Durham College, North Oshawa Ontario, CANADA	M.S -Project Management and Data analytics for business decision making

  
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16.	Joel Baby		FANSHAW COLLEGE LONDON, CANADA	M.S -Program: TSS2 - Technical Systems Analysis (Co-Op)
17.	Bhakthi Shetty	Electronics & Communication Engineering	NMAMIT, Nitte	M. Tech in VLSI Design and Embedded system
18.	Fidelia Chaitra Siri			
19.	Sachin S		MIT, Manipal	ME in Automotive Embedded Systems
20.	Vaishnavi S Shetty		NMAMIT, Nitte	M. Tech in VLSI Design and Embedded system
21.	Shwetha			
22.	Swathi Nayak		MIT, Manipal	ME in Embedded Systems
23.	Megharaj S Madnur		PES University, Bengaluru	MBA
24.	Tanushree E		Patel Institute of Management Studies	Post Graduation Diploma in Management
25.	Achal R Poonja	Information Science and Engineering	Universität Paderborn (Paderborn University)	Masters in Computer Science
26.	Adnan Ashraf	Mechanical Engineering	Conestoga College Institute Of Technology And Advanced Learning	M.S
27.	Anas chalikandy abdul kader		FANSHAW COLLEGE, Canada	Masters
28.	Bhargava K		Dayananda sagar University	M.B.A
29.	Muhammed Siraj Udinoor Meethalepurayil		Conestoga College Institute Of Technology And Advanced Learning	M.S
30.	Prajwin Amanna		Manipal Institute Of Tehnology	M. Tech
31.	Rohan M V		Uppsala University, Sweden	M.S
32.	Tippanna		National Institute Of Technology Calicut	M. Tech
33.	Harvin Sequeira	Mechatronics Engineering	Conestoga College Institute of Technology and Advanced Learning	Robotics and Industrial Automation
34.	Sharanya Aravind B		Manipal University	ME (Embedded Systems)
35.	Karthik Aravind B		Manipal University	M. Tech (Aerospace)

  
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**Table: List of MITE students pursuing/pursued Higher Education at reputed Institutes in the academic year 2017-18**

SL No.	Student	Graduated Program	Institute Name	Enrolled program
1.	Akshatha G K	Aeronautical Engineering	Cranfield University, UK	MSc in Thermal Power
2.	Ashwin Kumar V			
3.	Kushal Gowda J		ISAE ENSMA	MS in Aeronautics and Space - track Aeronautical Mechanics and Energetics (AME)
4.	Naik Kishen Ramdas	Civil Engineering	NICMAR, Pune	PGP REUIM
5.	Rakesh T M		Nagarjuna College of Engineering & Technology	M. Tech in Structural Engineering
6.	Vinayaka Ganapathi Bhatta		Manipal Institute of Technology, Manipal	M. Tech in Environmental Engineering
7.	Shajeeb S		AMITY UNIVERSITY, Mumbai	MBA (Construction Project Management)
8.	Prathiksha G		NMAM Institute of Technology, Nitte	M. Tech in Structural Engineering
9.	Gautham Rai B		University of Adelaide, Australia	MS in Master of Construction Management.
10.	Akhil Vinayak		MITWPU, Pune	MBA in MARKETING
11.	Arnold Dsouza		NITK, Surthkal	M. Tech in Structural Engineering
12.	Sanath Gowshik		Mangalore University	MBA in Tourism MBA in Tourism and Travel Management
13.	Deepak T.V		University of Western Ontario, Canada	Master's in Structural Engineering
14.	Prathiksha G		NMAM Institute of Technology, Nitte	M. Tech in Structural Engineering
15.	Clyde Shelton Bangera	Computer Science & Engineering	FANSHAWE COLLEGE LONDON, CANADA	Network Security Architecture & Software Information System Testing
16.	Bolinidhi Narendra		Northumbria University London	MSc Business with Business Analytics with Advanced Practice

*Gheeeed*  
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17.	Kelvin		Georgian College Canada	Ontario College Graduate Certificate (Post-Graduate) Big Data Analytics
18.	Shiji Abraham		NMAMIT, NITTE	M. Tech (Computer Science Engineering)
19.	Abhishek		Manipal Academy of Higher Education (MAHE)   Manipal	M. Tech (Software Engineering)
20.	Vidyamani K C		Manipal Academy of Higher Education (MAHE)   Manipal	M.E. (Big data and analytics)
21.	S Gauthami Mallya		SHREEDEVI INSTITUTE OF TECHNOLOGY, KENJAR	Master of Business Administration
22.	Sanjana Rai		SHREEDEVI INSTITUTE OF TECHNOLOGY, KENJAR	Master of Business Administration
23.	Avinash Noronha		FANSHAWE COLLEGE LONDON, CANADA	M.S-Program: ISM1 - Information Security Management
24.	Adithya Hrishikesh		Macquarie University, Sydney, Australia	Master of Data Science
25.	Deeksha R Kiran	Electronics & Communication Engineering	MIT, Manipal	ME in IOT
26.	Suhas		MIT, Manipal	ME in Embedded System
27.	Rachana P		NMAMIT, Nitte	M. Tech in DEC
28.	Shamith Kumar		SDMCBM, Mangalore	Master of Business Administration
29.	Akash Pradeep Kumar		ESIGELEC, France (School of Information Science)	MSc in Automotive Embedded System
30.	Sinchana C Shetty		NMAMIT, Nitte	Master of Business Administration
31.	Apoorva A		Manipal School of Information Sciences, MAHE	ME (Embedded Systems)
32.	Karthik Mallya M		MIT, Manipal	ME in Embedded Systems
33.	Lavita Mendoinca		NMAMIT, Nitte	M.Tech in VLSI design and Embedded System
34.	Abhiram A		ESIGELEC, France (School of Information Science)	MSc in Automotive Embedded System
35.	Pradnya Kunder		ICFAI Business School Mumbai	MBA
36.	Prakrithi Ganesh Rai		Fanashwe College, Canada	BMT1B-Business Management
37.	Nair Siddhant Vijayan		Manipal Institute of Management, Manipal	MBA
38.	Karnik Anand Shetty		University of Sussex	Master of Science in Fintech, Risk and Investment Analysis

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39.	Victoria Maria Mascarhenas	Information Science and Engineering	Lovely Professional University, Punjab	Master of Business Administration
40.	Abhilash A Shetty	Mechanical Engineering	Samundra Institute of Maritime studies	Pre-Sea Graduate Marine Engineer (GME)
41.	Anish B		Justice K S Hegde Institute of Management	MBA
42.	Ashil Santhosh Vadakkoot		Confederation College, Canada	P.G
43.	Ashrith Shetty		Rennes School of Business	MSC in Supply chain Management
44.	Drishan B S		Manipal Academy of Higher Education	M. Tech
45.	Lohith Kumar Lamani		Presidency college	MBA
46.	M Ashwin Kumar		Justice K S Hegde Institute of Management	MBA
47.	Mohammed Anees KP		IIM Jammu	MBA
48.	OLIVER DSOUZA		MS Ramaiah University of Applied Sciences	M. Tech
49.	PONNANNA P A		MONASH UNIVERSITY, AUSTRALIA	M.S
50.	Roshan Chethan Habbu		TCFT	Treasure coast flight Training
51.	Shravan Kumar M		NMAM Institute of technology	M. Tech
52.	Stephin raj		Wester Sydney University	Master of Engineering
53.	Sujith V		GEMS b School	MBA
54.	Jithin Joseph	Mechatronics Engineering	Lambton College	Quality engineering Management
55.	Jeson Floyd Miranda		University Admission in Sweden	Master in Robotics and Automation
56.	Sarthak Vasanth		University of GUELPH	Master of Engineering
57.	Anna Rose Johny		Hochschule Bonn Rhein Sieg, Sankt Augustin, Bonn, Germany	Ms in Autonomous systems
58.	Vishakha M		Deggendorf Institute of technology	Mechatronics and cyber physical systems
59.	Prasanna G Samaga		Manipal University	Master of Business Administration
60.	Subramnya Holla		Manipal University	ME in Embedded Systems

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**Table: List of MITE students pursuing/pursued Higher Education at reputed Institutes in the academic year 2016-17**

Sl. No.	Student	Graduated Program	Institute Name	Enrolled program
1.	Aarti Tarun kumar Patel	Aeronautical Engineering	Manipal Academy of Higher Education	M.Tech in Aerospace Engineering
2.	Sanjay Lachmayya Naik	Civil Engineering	NMAM Institute of Technology, Nitte	M. Tech in Structural Engineering
3.	Shabeel Shervas Sayed Mohamad		University of Greenwich UK	M.S
4.	Mehafooz T A		Manipal Institute of Technology, Manipal	M. Tech in Structural Engineering
5.	Aishwarya Amaravathi		Manipal Institute of Technology, Manipal	M. Tech in Environmental Engineering
6.	Deekshith B Shetty		NMAM Institute of Technology, Nitte	M. Tech in Construction Management
7.	Abdul Azeez		LPU University	M. Tech in Construction Management
8.	Nikith Y Shetty		University of Technology Sydney	M. Tech in Structural Engineering
9.	Sinan Asenar Saheb		Manipal Institute of Technology, Manipal	M. Tech in Structural Engineering
10.	Anand Jadhav		Basweshwar Engineering College	M. Tech in Structural Engineering
11.	Abdul Rashid P		Griffith University Brisbane	M.S
12.	Harish S		JNNCE, Shimoga	M. Tech in Transportation Management
13.	Pooja H A		Nagarjun College of Engineering & Technology	M. Tech in Structural Engineering
14.	Manjunath R		Nagarjun College of Engineering & Technology	M. Tech in Structural Engineering
15.	B Raksha Shetty		Manipal Institute of Technology, Manipal	M. Tech in Environmental Engineering
16.	Vishrutha		Manipal Institute of Technology, Manipal	M. Tech in Environmental Engineering
17.	Chetan Gowda K M		Motion Institute of Management Studies, Bangalore	MBA in Construction Management
18.	Khushboo Rani	Computer Science & Engineering	USA (TEXAS A&M UNIVERSITY)	M.S
19.	Chaithra		NMAMIT, NITTE	M. Tech in Computer Science Engineering
20.	Chethan R Bhat		MIT, MANIPAL, Manipal University	M. Tech in CS & Information Security
21.	Megha		MANIPAL UNIVERSITY, MANIPAL	M. Tech in Software Engineering

  
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22.	Patcy Janice Gomes	Electronics & Communication	NMAMIT, Nitte	M. Tech in DEC
23.	Roshan Dayanand Shetty		University of Canterbury Newzealand	Master of Business Administration
24.	Pavana Maria Jose		MT Albert campus Newzealand	Computing programme
25.	Likhitha Shreedevi		NMAMIT, Nitte	M. Tech in VLSI & Embedded System
26.	Praveeth Dsouza		CIT, Ireland	M Sc in Information Security
27.	Pavan Kini B		Birla Institute of Technology & Science, Pilani	M. Tech in Data Science and Engineering
28.	Kavya		National University of Ireland Galway	MSc. in International Management
29.	Sreekala K P		Maastricht University	MS in Data Science and Artificial Intelligence
30.	Brinda Joshy Jose		RMIT University, Australia	MS
31.	Shraddha Shetty	Information Science and Engineering	SRH Hochschule Heidelberg, Germany	Masters in Applied Computer Science
32.	Ranjana Manohar Nayak		NMAMIT, Nitte	M. Tech/Computer Science and Engineering
33.	Adhik Chandran	Mechanical Engineering	Concordia University, Quebec, Canada	M.S
34.	Afreen Hameed		University of Windsor, Canada	Master of Engineering
35.	Akshay M A		TECHNISCHE HOCHSCHULE	MASTER
36.	Albert Jhon Ampotty		Acharya Institutes, Bangalore	MBA
37.	Ashik Sajeev		Indian Institute of Management, Bodhgaya, Bihar	MBA
38.	Denson Mathias		University of Leeds, United Kingdom	M.S
39.	Harish M		MIT, Manipal	M. Tech
40.	Himesh B K		AMET, deemed to be University, Kanathur - 603112, India.	Graduate Marine Engineering course
41.	Prakyath Salian		Cape Breton University, Canada	M.S
42.	Saurabh Shetty Udyawara		HOGSKOLAN VAST	MASTER
43.	Sudin Jinaraj Yermal		Prin.L.N. Welingkar institute of management, Bangalore	PGDM-eBiz
44.	Sushanth B K		Cape Breton University, Sydney	Post-Baccalaureate Diploma in Supply Chain Management
45.	Vishnu Manohar G		Amrita Vishwa Vidyapeetham, Kollam	MBA
46.	Milan Umesh Salian		Audenica Business School, France	Masters in Supply Chain and Purchasing Management Programme

  
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**Table: List of MITE students pursuing/pursued Higher Education at reputed Institutes in the academic year 2015-16**

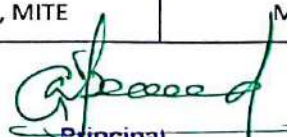
Sl. No.	Student	Graduated Program	Institute Name	Enrolled program
1.	Camilla Wilfred Mackay	Aeronautical Engineering	Emirates Aviation University	MBA in Aviation Management
2.	Hari Krishna S		Visvesvaraya Technological University	Aerospace Propulsion Technology
3.	Sheikh Rizwan Ahamed		Aviation Australia	Aircraft Maintenance Engineering
4.	Suraj Suresh Kumar		Manipal Academy of Higher Education	M.Tech in Aerospace Engineering
5.	Nikhil Shetty		Sheffield Hallam University	MSc Logistics and Supply Chain Management with work Placement
6.	Deeksha I M	Civil Engineering	UVCE, Bangalore	M. Tech in Highway Engineering
7.	Chirag Ajila		Manipal Institute of Technology, Manipal	M. Tech in Construction Engineering & Management
8.	Niranjan Shetty		NMAM Institute of Technology, Nitte	M. Tech in Structural Engineering
9.	Srujan K M		East-West Institute of Technology, Bangalore	M. Tech in Geotech
10.	Sunil Y L		Rigas Tehniska University, Latvia, Europe	M.S
11.	Shilpa B		Manipal Institute of Technology	M. Tech in Environmental Engineering
12.	Nandu Suresh		Royal institute chartered surveyors, UK, AMITY campus, Mumbai	Master of Business Administration
13.	Sarthak R		Politecnico Di Miano, Paris	M.S
14.	Ashwin Kumar V	Aeronautical Engineering	Cranfield University, United Kingdom	M.Sc. in Thermal Power - Aerospace Propulsion
15.	Kushal Gowda J		ISAE, ENSMA, France	M.Sc. in Aeronautics and Space
16.	Archana Rao	Computer Science & Engineering	NMAMIT, NITTE	M. Tech (Computer Science Engineering)
17.	Sheethal		MANIPAL UNIVERSITY, MANIPAL	M. Tech (Computer Science Engineering)
18.	Saketh Raj		APJ Abdul Kalam University TKM College of Engg. Kerala	M. Tech (Computer Science Engineering)
19.	Tejaswi Shetty M		MANIPAL UNIVERSITY, MANIPAL	M.E (Big Data & Data Analytics)

  
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20.	Megha Dilipkumar	Electronics & Communication Engineering	RV College of Engineering, Bangalore	M. Tech in DEC
21.	Nischitha		NMAMIT, Nitte	M. Tech in DEC
22.	Shainitha		MIT, Manipal	M. Tech in Control Systems
23.	Shibin George		T. John Institute of Technology, Bangalore	M. Tech in VLSI & Embedded System
24.	Goutam V		MIT, Manipal	MBA in Global Business
25.	Anushree U		NMAMIT, Nitte	M. Tech in Digital Electronics and Communication
26.	Sampath Shanbhag		MIT, Manipal	M. Tech in Data Science and Machine Learning
27.	Anish Shashikant Shetty		MIT, Manipal	ME in Embedded System
28.	Amit Meledath		University of Bedfordshire	M. Sc/Computer Networking
29.	Sujan B G		Hochschule Ravensburg-Weingarten University of Applied Sciences	Master of Engineering in Electrical Engineering and Embedded Systems
30.	Melisha Fiona Rebello		MIT, Manipal	M. Tech in Digital Electronics and Communication Engineering.
31.	Pawan S Jogi	Information Science and Engineering	NMAMIT, Nitte	M. Tech in Computer Science and Engineering
32.	Shauny Machado		School of Information sciences, MIT, Manipal	Master of Engineering/ Big Data Analytics
33.	Anusha Pai		NMAMIT, Nitte	M. Tech/Computer Science and Engineering
34.	Irol Andrea Dsouza		Otto Friedrich Universität Bamberg, Germany	Master's in International Software Systems Science
35.	Shetty Shweta Suresh		Otto Friedrich Universität Bamberg, Germany	Master's in International Software Systems Science
36.	Jeevith J Shetty		MIT Manipal	M. Tech
37.	Micheal T S	Mechanical Engineering	Centennial College	Supply Chain Management Logistics
38.	Mohammed Hasan Azmal		NMAMIT, Nitte	M. Tech
39.	Rajaram Pai		MIT Manipal	M. Tech
40.	Sanath Kidiyoor		MIT Manipal	M. Tech
41.	Sudarshan Shetty		Post Graduate Diploma in operations management at Symbiosis Institute of Operations Management, Nashik	PG
42.	Sushmith Shetty		M. Tech, MITE	M. Tech

  
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## CASE STUDY II

### Certification Courses through Centers of Excellence established in the campus and Industry Linkages

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# EMPLOYABILITY SKILLS DEVELOPMENT PROGRAM

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EMPLOYMENT || HIGHER EDUCATION || ENTREPRENEURSHIP

ESDP

CAREER GUIDANCE CELL | MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

## **EMPLOYABILITY SKILLS DEVELOPMENT PROGRAM**

Excellence is achieved through training & habituation. At MITE, our responsibility is not only confined to exemplary education and shaping competent graduates, we are also committed to extending support to our Students in choosing an apt Career path – Recruitment at Global best Companies, becoming an entrepreneur, or pursuing higher studies. We take pride in seeing our students walk out of the campus with the best choices that ensure and aids in propelling their professional careers and spread their wings with confidence. The Career Guidance Cell of MITE spearheads and conducts Skill Development programs through the Centers of Excellence established in the Institution, and also invites Industry stalwarts to deliver lectures about advancements in the latest technologies. This enables our students to be Innovators, and also excel in recruitment and be placed in Organizations of repute.

The Institute guides each student in exploring Career opportunities by inviting various companies for campus recruitment to students in the final year of the program. The proven final placements in the successive years and Career advancements of our Students are a result of very systematic interaction with the industry and continuous career counseling of the students. Right from the beginning of the program, students are continuously counseled with regard to their career aspirations and options, which in turn are vigorously followed up with multiple activities like Hackathon, Ideathon, Workshops towards realizing their dreams. This not only helps the students in getting their 'dream' jobs but also assists the visiting placement companies in identifying the 'right' candidate for their organization. Students willing to continue their Higher education, are also provided Guidance and counseling from reputed Organizations and Universities, so that a right selection is done. Students aspiring to be Entrepreneur are mentored, their ideas nurtured at the MITE Incubation Center, that has produced many entrepreneurs year after year.

The success behind our Career Guidance program can be traced to the Employability Skill Development Program inducted to complement our mission and vision which collectively promote the overall success of students. This ensures that students of MITE pick the right kind of work they want to do.

## EMPLOYABILITY SKILLS DEVELOPMENT PROGRAM

Objective : Enhance the Skill set of Problem Solving, Business Communication, Personality Development and Bridging the Industry Academia gap towards making them 'Industry Ready'.

The Career Guidance Cell has been conducting various Programs on Problem Solving, Soft Skills, Technical Refresher courses for all its students under the Employability Skills Development Program (ESDP). The ESDP was launched in the Year 2010, with the objective of making a student 'Industry Ready' and bridge the gap between classroom teaching and Industry needs. The Program exposes the students to the various requirements of the 'Interview Preparedness'. The modules that are covered under the ESDP are English Language enhancement, Business Communication Skills, Problem Solving skills, Soft Skills, Technical Certification Programs. As part of the Soft Skills, students are facilitated with the sessions on Self Awareness, Self-Motivation, Interpersonal and Intrapersonal Skills, Group Discussions, debates, Interview facing, Etiquette etc.

Also, as part of the ESDP are the Programs that are offered under the MoU with various Reputed Industries as part of the bridging the Industry-Academia gap. Training are imparted on various Industry tools, and certified by Industry, which will enhance a Student's Career opportunity and Higher Education prospects. The Course offered under ESDP are regularly revised every semester with a regular interaction with Industries.

### Employability Skills Development Program



## MODULE 1: Business Communication & Soft Skills

Objective : Prepare a Strong foundation towards transforming a Student into a Professional

The objective of the course is to enhance a Student's communication skill, interpersonal skills, intra personal skills and Prepare a Strong foundation towards transforming a Student into a Professional

Target Audience : I Year – All Branches/ Sections

1	SMART Goal Setting English Language Enhancement - Verbal ability
2	Verbal ability English comprehension Group Discussion – Roles, Phases, Effectiveness, Strategies, Traits
3	Verbal ability Effective Communication - Assertiveness Group Discussion
4	Verbal ability Interpersonal Skills Group Discussion
5	Verbal ability Intrapersonal Skills – Team Dynamics Group Discussion
6	Verbal ability Group Discussion Adapting to Corporate Life- Corporate Grooming & Dressing, Ethics
7	Verbal ability Group Discussion Resume Writing
8	Verbal ability Group Discussion Interview Facing
9	Verbal ability Group Discussion Mock Interviews
10	Verbal ability Group Discussion Mock Interviews



**Nareendra U P**

Dean (Placement & Training)

Mangalore Institute of Technology and Engineering

Badagamijar PO, Moodabidri DK Dist - 574225

Tel : 08258 262695 - 99 EXT: 165

## **MODULE 2:**

### **Certification Course by Bosch, SIEMENS, UiPath and Problem Solving Skills**

- Training is provided on Hydraulics, Pneumatics, PLCs, Mechatronics and Servo Drives through **Bosch Rexroth Centre of Competence in Automation Technologies**.
- The Students of Aeronautical, Mechanical & Mechatronics Engineering Branch are trained on Design tools like NX-CAD, ROBCAD, NXCAM through the **SIEMENS CoE in Digital Design, Validation and Digital Manufacturing**.
- Students are trained on Robotic Process Automation (RPA) skills through the MoU signed with **UiPath**. The MoU with UiPath focuses on skill development in the area of RPA and Automation. In addition to the certification courses conducted by UiPath, regular National level events are conducted to provide exposure to RPA Skills.

### **Certification Course on Automation Technologies**

#### **By MITE – Bosch Rexroth Centre of Competence for Automation Technologies**

Bosch Rexroth has core competencies in Hydraulics, Pneumatics, Mechatronics and electric drives and controls, fields in which they have excelled themselves. This excellence and its drive for it have made the firm realize that unless the personnel who man these technical areas are competent the gap between theory at engineering schools and practical applications in industries will widen. This is where BOSCH comes in to fill the gap and make the difference. MITE has been proudly associated with Bosch Rexroth and has set up the Regional Centre of Competence in Automation Technologies – ‘Drive and Control Academy’. The centre has labs for testing on emerging sectors such as Robotics, CNC technology, Mechatronics, Hydraulics, Pneumatics and PLC technology, which will expose students to the latest developments in these fields. The centre of competence is established to bridge the gap between industry expectations and theoretical deficiencies with the following objectives:

- To provide hands on experience to the students to the recent Automation technologies practiced in the industry.
- To enable all the students to have exposure to industry and Automation technologies
- To work on Industry related projects in the Final Year with infrastructure and equipment akin to the Industry.

**MODULE 2:**

**Certification Course on Automation Technologies**

**By MITE – Bosch Rexroth Centre of Competence for Automation Technologies**

**COURSE CONTENTS FOR HYDRAULICS AND PNEUMATICS PROGRAM**

Course offered to : AERO/CIVIL/MECH/MTR – II Year Students

Course Frequency : Weekly Two hours

<b>No</b>	<b>Course Content</b>
1	Introduction to Hydraulic systems Physical Fundamentals & Principles Hydraulic Pumps Control elements (Direction, Pressure and Flow) Electrical Actuators
2	Study of Hydraulic Pump and to draw characteristic curve of variable displacement pump
3	Single rod cylinder with Pressure In-intensification (Use 4/2 DCV) Meter-in Meter-out Circuit.
4	Application Involving 4/3 Direction Control Valve: Open Centre & Closed Centre.
5	Application Involving 4/3 Direction Control Valve Using motor
6	Introduction to Pneumatics systems Pneumatics Symbols, Block diagrams, Compressed air theory, Purification and Distribution Control elements (Direction, Pressure and Flow) Construction and application of Directional control valve and Flow control valve with accessories.
7	Direct control of Double acting Cylinder Indirect control of Double acting Cylinder
8	Speed Control of Single Acting Cylinder_ Slow speed Extension and Rapid Retraction Position Dependent Control of a Double Acting Cylinder with Mechanical Limit Switches
9	Logical Control with Shuttle and Twin-Pressure Valves Sequential Control of Two Double Acting Cylinders without Overlapping Signals

**MODULE 2:**

**Certification Course on Automation Technologies**


**By MITE – Bosch Rexroth Centre of Competence for Automation Technologies**

**COURSE CONTENTS FOR PROGRAMMABLE LOGIC CONTROLLER PROGRAM**

Course offered to : CSE/ISE/ECE – II Year Students

Course Frequency : Weekly Two hours

No	Course Content
1	Introduction to Automation Technology Programmable Logic Controllers PLC Programming Languages
2	PLC Programming Environment Program Setup using Indraworks Engineering PLC Configuration in Indrawaworks Engineering Simple Basic Programs of Logic Gates
3	PLC Programs on Complex Gates Latching Motor Project Execution
4	PLC Box Tool Box Programs – Arithmetic, Logical, Rotation, Shift, MUX
5	Counter Programs in PLC Simple Projects
6	Timer Programs in PLC Simple Projects
7	Demo of PLC interface with Pneumatics Mechatronics Kit Demo
8	PLC Practice Exercises



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**MODULE 2: Certification Course on Digital Design, Validation & Digital Manufacturing****By MITE – SIEMENS Centre of Excellence**

Course offered to : MEC/MTR/AERO – II Year Students

Course Frequency : Weekly Two hours

Mangalore Institute of Technology & Engineering in association with Siemens PLM Software has set up a Center of Excellence (COE) for Digital Design, Validation and Digital Manufacturing. The COE will give students access to the same technology that companies around the world depend on every day to develop innovative products in a wide variety of industries including automotive, aerospace, machinery, shipbuilding, high-tech electronics and many more. Graduates with this type of software training are highly-recruited candidates for advanced technology jobs. MITE will be using the same technology in its classrooms that companies worldwide depend on to design some of today's most sophisticated products.

The Centre of Excellence includes Siemens PLM Software solutions such as NX™, Tecnomatix® and Fibersim™. NX™ software is a leading integrated solution for computer-aided design, manufacturing and engineering (CAD/CAM/CAE). Tecnomatix® portfolio is the industry leading digital manufacturing software. Fibersim™ portfolio of software is the solution for composites engineering. The software grant has been provided by Siemens PLM Software's academic program that delivers PLM software technology to more than one million students yearly at more than 12,000 global institutions.

MITE will be providing industry-leading technology in the classroom, with the aid of these SIEMENS PLM Softwares. By using the same technology in the classroom that is used by companies all over the world to develop a wide variety of products, our students will gain important real-world experience during their studies that will serve them well after graduation. As product complexity continues to grow, students who are able to use PLM software technology are expected to be highly recruited. MITE looks forward to build next generations of engineers with Siemens PLM Software as an Industry partner in realizing its goal of providing real time Industry oriented education.

**MODULE 2: Certification Course on Digital Design, Validation & Digital Manufacturing**

**By MITE – SIEMENS Centre of Excellence**

**Programme Name: MITE-SIEMENS COE**

**Course Name: NX CAD**

**Course Code: SM03**

**Total Number of Hours: 40 Hours**

Chapter	Topics/Contents	No. of Hours
1	<b>INTRODUCTION:-</b> Brief introduction about software	<b>2 Hours</b>
2	<b>GETTING STARTED:</b> basics required to use CAD package. a) Opening an NX 10 session, b) Printing, saving, and closing part files, c) getting acquainted with the NX 10 user interface d) Using layers and e) Understanding important commands and dialogs.	<b>3 Hours</b>
3	<b>TWO DIMENSIONAL SKETCHING:-</b> learn how to create and edit sketches in NX 10.create a sketch on a <i>Plane</i> in <i>Modeling</i> application	<b>8Hours</b>
4	<b>THREE DIMENSIONAL MODELING:</b> - basics of three dimensional modeling in NX 10.feature, different types of features, primitives and how to model features in NX 10 using primitives. Start to the modeling portion of NX 10 and develop an understanding of the use of <i>Form Features</i> for modeling. These include taper, edge blend, face blend, chamfer, trim, etc. After explaining the feature operations, the chapter will walk through some examples.	<b>10 Hours</b>
5	<b>ASSEMBLY MODELING:-</b> Create assembly of different component	<b>10 Hours</b>
6	<b>DRAFTING:</b> - Create drawings, views, geometry, dimensions, and drafting annotations necessary for the completion as well as understanding of an industrial drawing.	<b>7 Hours</b>

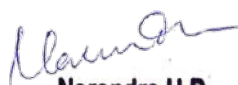
**Course Name: NX-CAM (NX Manufacturing Fundamentals (NMF))**

**Course Code: SM04**

**No. of hours: 40**

Chapter	Topics/Contents	No. of Hrs
1)	<b>Basic Manufacturing Concepts</b>	<b>2 Hours</b>
2)	<b>Analyzing a manufacturing part</b>	<b>2 Hours</b>
3)	<b>Machine cutting tools</b>	<b>2 Hours</b>
4)	<b>Operation Navigator</b> Cam11003 Notes, descriptions and a new activity from Transition course have been added to show the UI changes for Display Tool Path.	<b>3 Hours</b>
5)	Parent groups	<b>3 Hours</b>
6)	Cavity milling Cam10001 New activity from Transition course for Automatic Pattern Direction has been added to this chapter.	<b>4 Hours</b>
7)	T-cutter (new lesson)	<b>3 Hours</b>
8)	Coordinate systems	<b>3 Hours</b>
9)	Visualization (ISV)	<b>3 Hours</b>
10)	<b>Planar milling</b> 1) Cam10007 New activity from Transition course to show selection of cylindrical holes to mill chamfers. 2) Cam10008 New activity from Transition course to show definition and use of tracking points to mill chamfers. 3) Cam10020 New activity from Transition course to show a method of machining a sequence of radial grooves with a T-cutter.	<b>3 Hours</b>
11)	<b>Manual drilling</b> 1) Cam10026 New activity from Transition course to show optimized drilling patterns with minimized tool travel. 2) Cam10026 New activity from Transition course to show optimized drilling patterns with a non-aligned set of holes. 3) Cam10026 New activity from Transition course to show optimized drilling patterns by combining tool paths across multiple features and workpieces	<b>3 Hours</b>

12)	<b>Fixed axis contouring</b> <ol style="list-style-type: none"> <li>1) Cam90101 New activity from Transition course to show how to control contour area milling operations by projecting above or onto a boundary.</li> <li>2) Cam10044 New activity from Transition to show how to divide an Area Milling cut region by a line through two points.</li> <li>3) Added activity from FMM ILT course to demonstrate the Streamline operation type. Instructor request.</li> </ol>	3 Hours
13)	<b>Engraving text</b> Moved the engraving section and activities to the Appendix. Instructor request.	3 Hours
14)	NC Program output and documentation	3 Hours

  
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### MODULE 3:

The Third Level Course of ESDP focuses on enhancing students skills in Problem Solving. Also, Students are trained on other essential aspects of Interview Preparedness viz., Group Discussion, Resume Writing, Interview Facing, Grooming and Corporate etiquette. The objective of this Program is to enhance students competence in problem solving skills and build their confidence to face interviews.

**Target Audience :** All Branch – III Year


**Frequency :** Weekly Two Hours

### COURSE COVERAGE :

- **Problem Solving Skills**

<b>Quantitative Aptitude</b>	<ul style="list-style-type: none"> <li>• Average</li> <li>• Ratio &amp; Proportion</li> <li>• Partnership</li> <li>• Percentages</li> <li>• Profit &amp; Loss</li> <li>• Time &amp; Work</li> <li>• Time, Speed &amp; Distance</li> <li>• Permutation &amp; Combination</li> </ul>	<ul style="list-style-type: none"> <li>• Probability</li> <li>• Simple Interest &amp; Compound Interest</li> <li>• Alligation &amp; Mixture</li> <li>• Number System</li> <li>• Data Interpretation</li> <li>• Ages</li> <li>• Clocks &amp; Calendars</li> </ul>
<b>Logical Reasoning</b>	<ul style="list-style-type: none"> <li>• Number Series</li> <li>• Seating Arrangement</li> <li>• Blood Relations</li> <li>• Syllogisms</li> <li>• Puzzle Test</li> <li>• Coding &amp; Decoding</li> </ul>	<ul style="list-style-type: none"> <li>• Direction Sense Test</li> <li>• Visual Reasoning</li> <li>• Letter Series</li> <li>• Analogy</li> <li>• Data Sufficiency</li> </ul>
<b>Verbal Ability</b>	<ul style="list-style-type: none"> <li>• Comprehension</li> <li>• Sentence Correction</li> <li>• Closet Test</li> </ul>	<ul style="list-style-type: none"> <li>• Change of Speech</li> <li>• Change of Voice</li> <li>• Ordering of Sentences</li> </ul>

- **Group Discussion :** Mock Group Discussion on various topics
- **Communication Activities**
- **Interview Facing :** Mock Interviews
- **Resume Writing :** Tips for improving Resume Writing
- **Grooming & Etiquette**

  
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**MODULE 4:**

- **Problem Solving Skills**
- **Company Specific Training for Interviews**
- **Interview Facing**

**Target Audience :** All Branch – IV Year

**Frequency :** Dynamically Scheduled based on Interview Schedules

**COURSE COVERAGE :** Based on the Interview Schedule, and the requirements of specific companies, Training will be conducted for students eligible for the Recruitment Drive. The following training are conducted by customizing the Course coverage as per the Recruitment Drives:

- **Problem Solving Skills based on company's old Test Paper & Job Description**
- **Specific Technical Training** – like C Refresher, Python Programming, C#, Android Programming, Web Programming, IoT
- **Mock Interview Schedules**



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## **MODULE 4: LEAN SIX SIGMA GREEN BELT & YELLOW BELT CERTIFICATION**

**Target Audience :** All Branch – IV Year – MECH/ MTR/AER

**MITE** in collaboration with Binghamton University, State University of New York is offering our Students Certification Program on 'Lean Six Sigma – Yellow Belt & Green Belt' . The Resource Person for the Program is Dr. Mohammad T. Khasawneh, Professor & Chair, Systems Science and Industrial Engineering, Thomas J.Watson School of Engineering and Applied Science State University of New York at Binghamton, New York, USA

### **Course Description:**

This program serves as a lean six sigma training course at the Green Belt level. The course aims to emphasize why the implementation of lean six sigma is vital to the continuous improvement in various industrial settings.

### **Course Outline:**

1. Continuous process improvement introduction
2. Introduction to lean, six sigma, and lean six sigma
3. DMAIC (Define, Measure, Analyze, Improve, and Control)
  - a. **Define Phase:** Project charter; process mapping; voice of the customer; 7 “new” management and planning tools; 7 “old” quality control tools; CTQ trees; SIPOC diagram; etc.
  - b. **Measure Phase:** Basic probability and statistics for six sigma; measurement system analysis (MSA); Gauge R&R studies; process capability analysis; benchmarking; etc.
  - c. **Analyze Phase:** Correlation analysis; regression analysis; confidence intervals; hypothesis testing; etc.
  - d. **Improve Phase:** Design of experiments (DOE); analysis of variance (ANOVA); failure mode and effect analysis (FMEA); house of quality and quality function deployment (QFD); simulation software; action/communication plan; etc.
  - e. **Control Phase:** Statistical process control; process capability analysis; cost savings and return on investment (ROI) calculations; mistake-proofing; control plan; etc.
4. Spreadsheet-based statistics for six sigma
5. Case studies/projects

**Benefits:** At the end of this training program, participants should be able to:

- Recognize the need and key attributes of a successful lean six sigma program to an organization,
- Understand the roles and responsibilities of a certified Lean Six Sigma Green Belt in any organization,
- Understand the fundamentals of the DMAIC problem solving methodology,
- Use basic lean six sigma tools for project definition and process baseline,
- Understand the need for advanced problem solving and improvement methodologies used by project teams, and
- Integrate lean six sigma knowledge and tools to successfully implement and deploy process improvements.

Upon successful completion of the training program's requirements (homework assignments and final exam), participants will receive Lean Six Sigma Green Belt certification from Binghamton University, State University of New York.

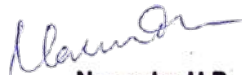
**Primary Instructor:** Dr. Mohammad T. Khasawneh, Ph.D.

Professor and Chair, Systems Science and Industrial Engineering  
Associate Director, Watson Institute for Systems Excellence  
Director, Healthcare Systems Engineering Center  
Graduate Program Director, Executive Master of Science in Health Systems  
Graduate Program Director, Industrial and Systems Engineering

**Contact Information:** [mkhasawn@binghamton.edu](mailto:mkhasawn@binghamton.edu);

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## 2. Student Activities Conducted In Collaboration with Industry

### List of Industries Tie-ups & MOUs

Sl. No	Particulars	Page No
2.1	Bosch Rexroth	140
2.2	Infosys  Campus connect	156
2.3	SIEMENS	160
2.4	Carl Zeiss India Pvt. Ltd	169
2.5	KPIT Technologies Ltd.	177
2.6	UiPath	182
2.7	Toyota Industries Engine India Private Limited (TIEI)	189



**MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING**

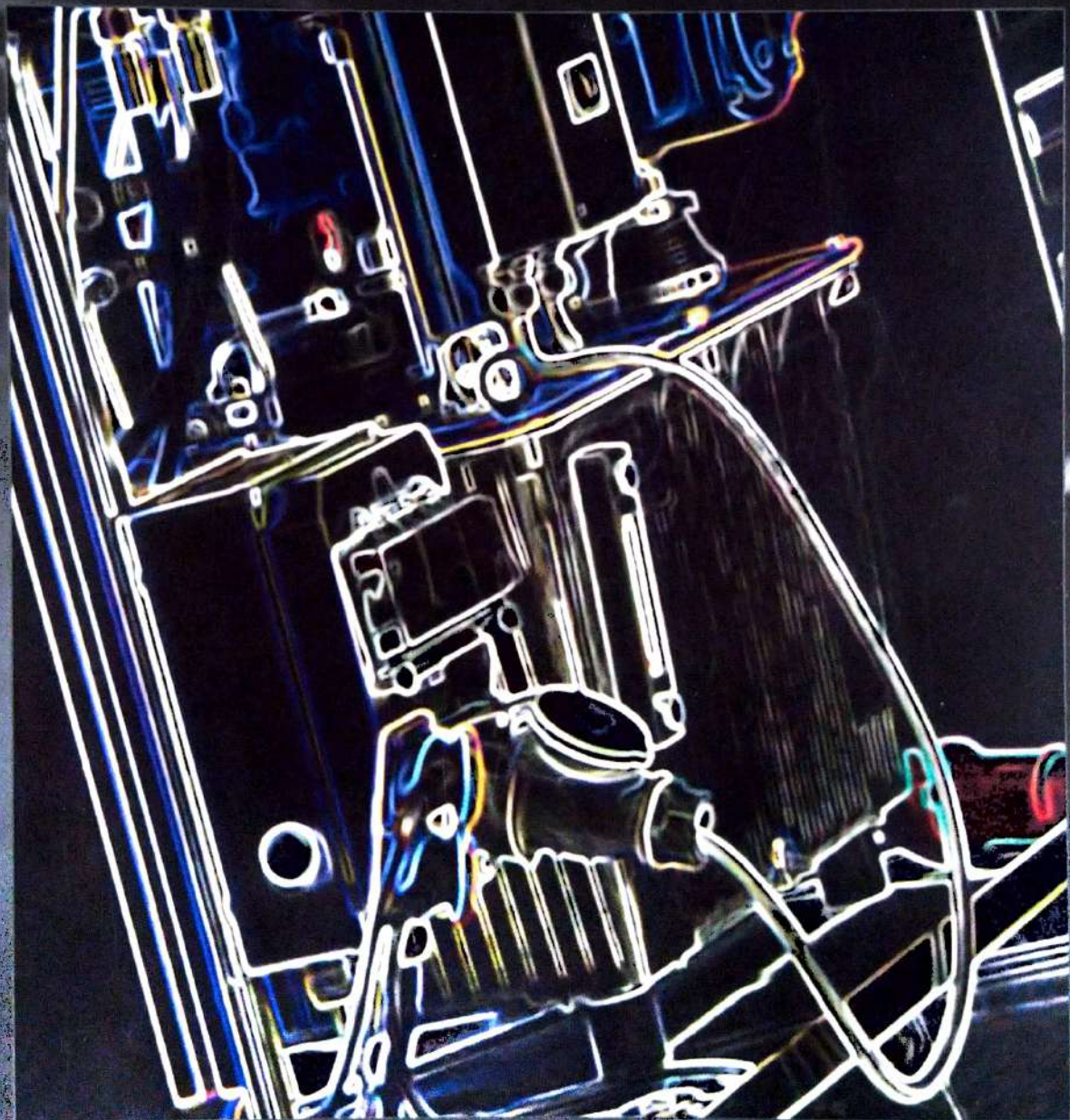
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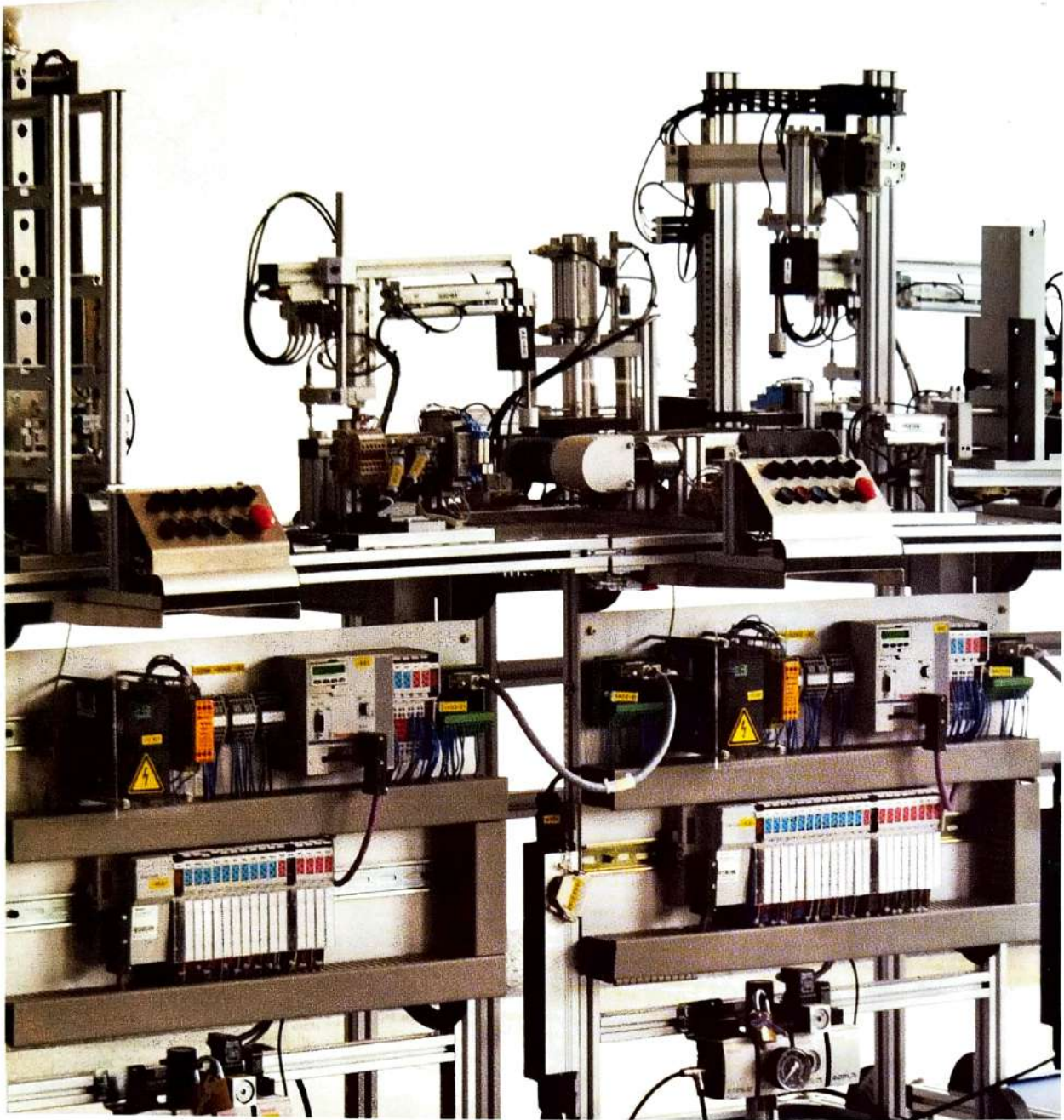
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Affiliated to V.T.U., Belgaum, Approved by AICTE, New Delhi

# **Bosch Rexroth**

**MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING – BOSCH REXROTH  
CENTRE OF COMPETENCE FOR AUTOMATION TECHNOLOGIES**

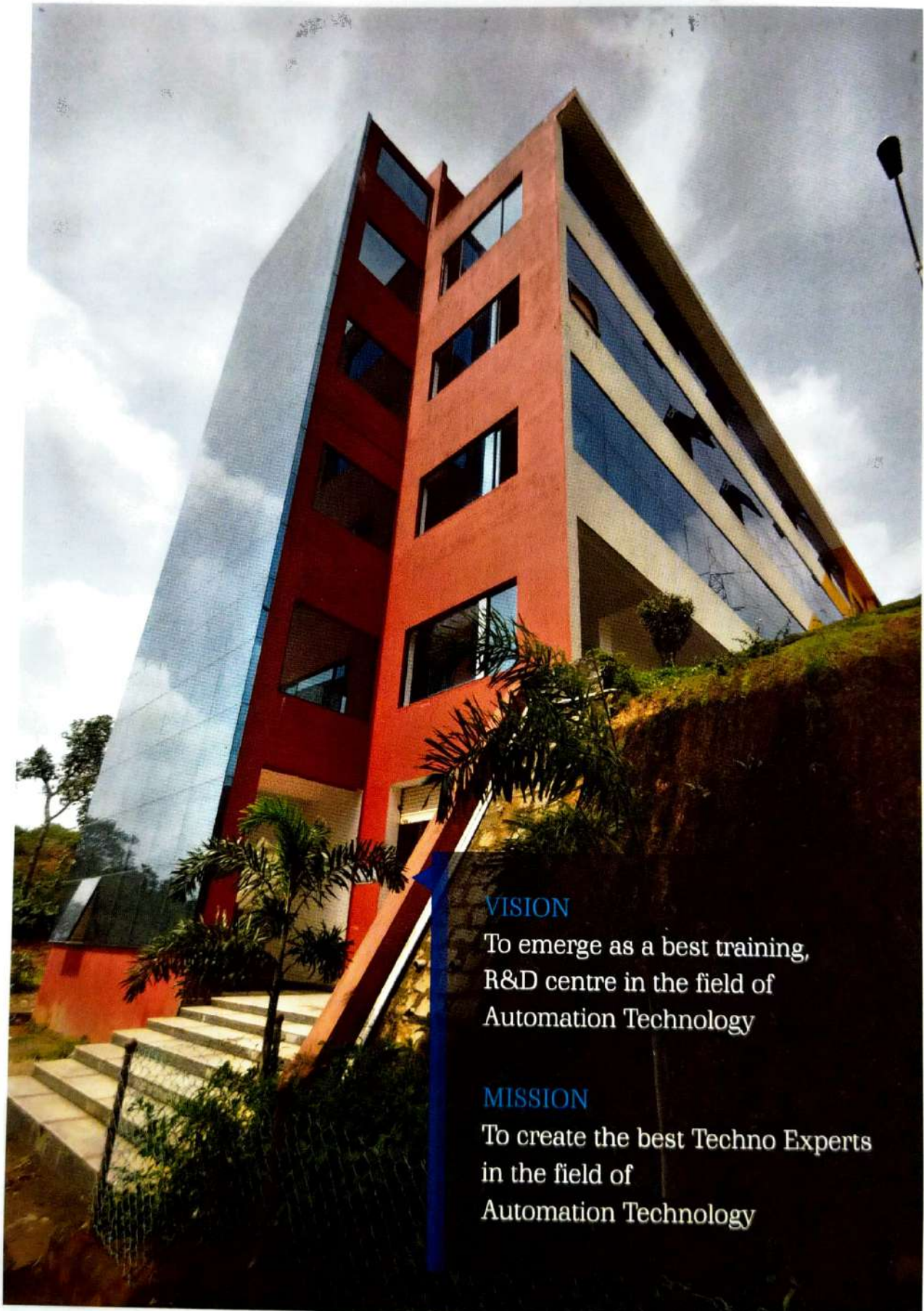




### Programs Offered:

IA01 : Hydraulics  
IA02 : Advanced Hydraulics  
IA03 : Pneumatics  
IA04 : Hydraulics & Pneumatics

IA05 : PLC  
IA06 : Mechatronics  
IA07 : Motion Logic in the Drive  
IA08 : CNC – MTX Micro



#### VISION

To emerge as a best training,  
R&D centre in the field of  
Automation Technology

#### MISSION

To create the best Techno Experts  
in the field of  
Automation Technology



## PREFACE

Mangalore Institute of Technology & Engineering has been a pioneer in providing the best technical education since inception. MITE has been creating a bench mark in all its endeavors. Bosch has been foremost in charting wonderful directions in improving the quality of life individually and collectively. Bosch Rexroth has core competencies in hydraulics, pneumatics, mechatronics and electric drives and controls, fields in which they have excelled themselves. This excellence and its drive for it has made the firm realize that unless the personal who man these technical areas are competent, the gap between theory at engineering schools and practical applications in industries will widen. This is where BOSCH comes in to fill the gap and make the difference, true their business vision of making this world a better place to live in. Mangalore Institute of Technology & Engineering has been proudly associated with Bosch Rexroth and has set up Regional Center of Competence in Automation in Automation Technology – 'Drive & Control Academy

Bosch in its endeavor to reach out and improve technical education and close the gap between industry expectations and theoretical deficiencies has set up the Center of Competence with the following objectives:

- To provide hands on experience to the students of engineering, polytechnics and vocational institutes to the recent technologies practiced in the industry
- To enable all the students in different regions and rural areas to have exposure to industry and technologies, by the concept of regional centers

The scope of activity of the MITE – Bosch Rexroth Center of Competence is:

- The Regional center will provide the training to faculty students of engineering, polytechnic and vocational institute and industries in the coastal region.
- The Regional center will offer projects to the students of the Engineering
- Bosch Rexroth will provide faculty training - enrichment & running of the centers, through technical and financial participation in the project.
- Bosch Rexroth will provide and commission the equipments, teach wares, hard wares, curriculum for theory and practice for the complete automation technologies.
- MITE CoC together with Bosch Rexroth will award a joint certificate to the students on completion of the program, which will be valid across the globe.

The training to be provided by the centre are on Hydraulics, Pneumatics, Mechatronics, Programmable Logic Controller, Electric Drives and Control, resulting in Joint Certification by MITE and Bosch Rexroth. This interaction will result in standardized REXROTH procedures covering training & technical demands.



PROGRAM CODE: IA01

### PROGRAM: BASIC HYDRAULICS

**Objective:** The participants should understand the fundamentals and principles of Hydraulics, and be able to make hydraulic assemblies on the Training Rig.

**Content:**

- Introduction to Hydraulics
- Physical fundamentals and principles
- Hydraulic components
- Fluid Power Symbols as per DIN ISO 1219
- Basic Hydraulic Circuits
- Instructions, guidance, and review for practical hydraulic aspects
- Techniques of assembly, disassembly and conversion; possibilities for handling and setting of typical components
- Practice by self-trial of circuit making on demonstration power pack
- Instructions on storage, commissioning, trouble shooting, maintenance and safety
- Electro hydraulics

**Target:** Students of Engineering Degree / Diploma & ITI

**Teaching and Learning Media:**

- Multimedia Presentation
- Sample Units and Power Units
- PC Animations
- Circuit Simulation on Trainer kit

**Deliverables:**

- Training Manual
- Participation Certificate

**Duration:** 3 Days

**Fees:** INR 2000/-

PROGRAM CODE: IA02

### PROGRAM: ADVANCED HYDRAULICS

**Objective:** The participants should understand the fundamentals and principles of Hydraulics, Proportional Hydraulics and be able to make hydraulic assemblies on the Training Rig.

**Content:**

- Introduction to Hydraulics
- Physical fundamentals and principles
- Hydraulic components
- Fluid Power Symbols as per DIN ISO 1219
- Basic Hydraulic Circuits
- Instructions, guidance, and review for practical hydraulic aspects
- Techniques of assembly, disassembly and conversion; possibilities for handling and setting of typical components
- Practice by self-trial of circuit making on demonstration power pack
- Instructions on storage, commissioning, trouble shooting, maintenance and safety
- Overview of Proportional Hydraulic Technology
- Basic review of Conventional valves
- Proportional directional, pressure and flow control valves
- Directional servo and pressure servo valves and electro hydraulic
- Controls for pumps
- Typical continuous control hydraulic circuits

**Target:** Students of Engineering Degree / Diploma & ITI

**Teaching and Learning Media:**

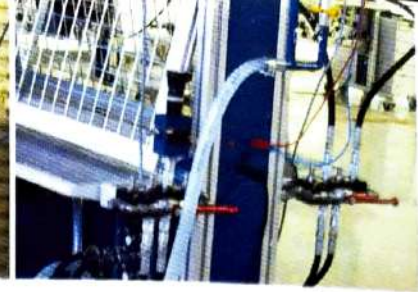
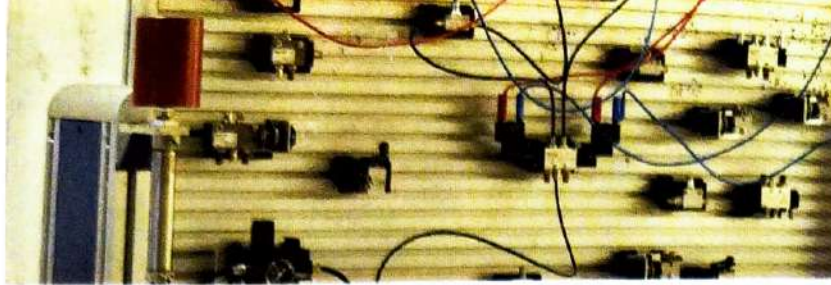
- Multimedia Presentation
- Sample Units & Power Units
- PC Animations
- Circuit Simulation on Trainer kit

**Deliverables:**

- Training Manual
- Participation Certificate

**Duration:** 4 Days

**Fees:** INR 3000/-



PROGRAM CODE – IA03

#### PROGRAM: PNEUMATICS

**Objective:** The participants should understand the fundamentals and principles of Pneumatics, and be able to design simple circuits and work on Trainer kits.

**Content:**

- Introduction to Pneumatics
- Fundamentals and its applications
- Compressor and compressed air
- Electro pneumatic concept
- Circuit building (minimum six circuits involving the direct and indirect control of cylinders, signal processing in pilot operated pneumatic circuit)
- Maintenance
- Pneumatic timers and use of logic elements and its switches
- Actuators, drives and control elements
- Pressure loss calculation receiver size and air line design

**Target:** Students of Engineering Degree / Diploma & ITI

**Teaching and Learning Media:**

- Multimedia Presentation
- Sample Units and Power Units
- PC Animations
- Circuit Simulation on Trainer kit

**Deliverables:**

- Training Manual
- Participation Certificate

**Duration:** 3 Days

**Fees:** INR 2000/-

PROGRAM CODE – IA04

#### PROGRAM: HYDRAULICS & PNEUMATICS

**Objective:** The participants should understand the fundamentals and principles of Hydraulics and Pneumatics, and be able to design simple circuits and work on Trainer kits.

**Content:**

- Introduction to Hydraulics
- Physical fundamentals and principles
- Hydraulic pumps and motors
- Control valves
- Cylinders
- Circuit building
- Maintenance
- Fundamentals of Pneumatics
- Compressor and compressed air
- Electro pneumatic concept
- Circuit building
- Maintenance

**Target:** Students of Engineering Degree / Diploma & ITI

**Teaching and Learning Media:**

- Multimedia Presentation
- Sample Units and Power Units
- PC Animations
- Circuit Simulation on Trainer kit

**Deliverables:**

- Training Manual
- Participation Certificate

**Duration:** 4 Days

**Fees:** INR 3000/-



#### PROGRAM CODE – IA05

##### PROGRAM: PLC

**Objective:** The participants should understand the fundamentals and principles of Programmable Logic Controllers and HMI Controls.

##### Content:

- Introduction to Automation Technology
- Introduction to PLC
- Introduction to Indraworks and basic setup Indraworks / Indralogic settings
- Elements of POU – PRG/ FB/ FUN
- Programming Languages – STL, FBD, Ladder Diagram, SFC, IL
- Variables declaration- Local and Global variables
- Subprograms calling and program download & upload
- Interface of I/O modules with PLC
- Relay and contractors working principles, power and control circuits, Logic development using relay contractor
- Programming of PLC
- VCP communication with PLC
- VCP Screen Development

**Target:** Students of Engineering Degree / Diploma & ITI

##### Teaching and Learning Media:

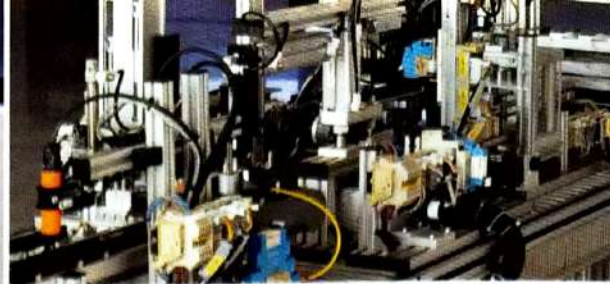
- Multimedia Presentation
- Sample Units

##### Deliverables:

- Training Manual
- Participation Certificate

**Duration:** 3 Days

**Fees:** INR 2000/-



#### PROGRAM CODE – IA06

##### PROGRAM: MECHATRONICS

**Objective:** The participants should understand the fundamentals and principles of Mechatronics – combination of Mechanical and electronic systems.

##### Content:

- Overview of Hydraulics, Pneumatics, electronics
- Physical fundamentals and principles of Hydraulic components
- Hydraulic pumps and motors
- Control valves and motors
- Circuit building
- Fundamentals of Pneumatics
- Compressor and compressed air
- Electro pneumatic concept
- Circuit building
- Introduction to Automation technology
- Introduction to PLC
- Introduction to Indraworks and basic setup Indraworks / Indralogic settings
- Elements of POU – PRG / FB / FUN
- Programming of PLC
- Concept of assembly and conveying systems
- Configuring of mechanical equipment and electronic controls for assembly and conveying systems.

**Target:** Students of Engineering Degree / Diploma & ITI

##### Teaching and Learning Media:

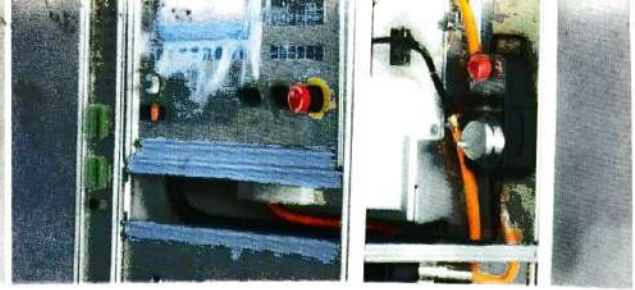
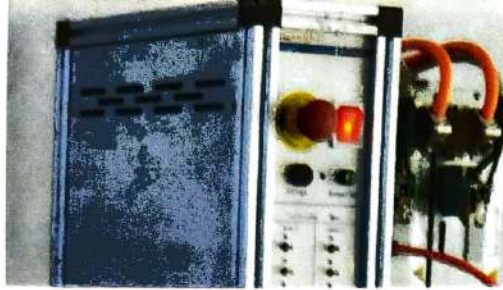
- Multimedia Presentation
- Sample Units

##### Deliverables:

- Training Manual
- Participation Certificate

**Duration:** 4 Days

**Fees:** INR 3000/-



PROGRAM CODE – IA07

**PROGRAM: MOTION LOGIC IN THE DRIVE**

**Objective:** The participants should understand the basic knowledge of electric drives and control.

**Content:**

- Introduction to Indradrives
- Drive Parameterisation
- Introduction to drive inbuilt PLC
- PLC Open function blocks
- Axis structure
- Reading and writing drive parameters using Fbs
- Direct access variables
- Synchronizing Reading drive troubleshooting
- VCP Communication
- Screen Development

**Target:** Students of Engineering Degree / Diploma & ITI

**Teaching and Learning Media:**

- Multimedia Presentation
- Sample Units

**Deliverables:**

- Participation Certificate

**Duration:** 3 Days

**Fees:** INR 2000/-

PROGRAM CODE – IA08

**PROGRAM: CNC – MTX Micro**

**Objective:** The participants should understand the fundamentals and principles of CNC systems.

**Content:**

- Introduction to CNC systems
- Creating the Project
- Configuration
- Drive Parameterization
- Introduction to channel and axis gateway signals – NC to PLC and PLC to NC Signals & PLC Logic structure
- Manual mode explanation and error messages
- Introduction to M-Codes, G-Codes
- Part Programming, Subroutines, Standard Cycles

**Target:** Students of Engineering Degree / Diploma & ITI

**Teaching and Learning Media:**

- Multimedia Presentation
- Sample Units

**Deliverables:**

- Participation Certificate

**Duration:** 3 Days

**Fees:** INR 2000/-



## DRIVE & CONTROL ACADEMY

**Rexroth**  
Bosch Group

**MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING – BOSCH REXROTH  
CENTRE OF COMPETENCE FOR AUTOMATION TECHNOLOGIES**

Mijar, Moodbidri – 574 225

### REGISTRATION FORM

BATCH ID:

REGISTRATION NO.:

Participant Name: \_\_\_\_\_

Year / Branch: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Mobile: \_\_\_\_\_

Email: \_\_\_\_\_

**Course Selection:**

- ☐ IA01 : Hydraulics
- ☐ IA02 : Advanced Hydraulics
- ☐ IA03 : Pneumatics
- ☐ IA04 : Hydraulics & Pneumatics

- ☐ IA05 : PLC
- ☐ IA06 : Mechatronics
- ☐ IA07 : Motion Logic in the Drive
- ☐ IA08 : CNC – MTX Micro

**Payment Details:**

Fees: \_\_\_\_\_

Receipt Number & Date: \_\_\_\_\_

DATE: \_\_\_\_\_

SIGNATURE

## INFORMATION AND REGISTRATION

### For Registration contact:

Mr. Narendra U.P.

Head,

MITE-BR Centre of Competence in Automation  
Mangalore Institute of Technology & Engineering  
Mijar, Moodabidri – 574 225, DK District

E-mail: narendra@mite.ac.in

Mobile: +91 99860 76676

Ph: +91 8258 262695-99 Ext: 134

Principal

Mangalore Institute of Technology & Engineering  
Mijar, Moodabidri – 574 225, DK District

E-mail: principal@mite.ac.in

Ph: +91 8258 262698

### IMPORTANT INSTRUCTIONS:

- Training on any Programs will be conducted as per the participant's convenient dates (preferably on weekends).
- Photocopy of the enclosed registration format along with the payment by Demand Draft in favor of 'The Principal, MITE' payable at Moodabidri must be forwarded to the Head, MITE-BR CoC.
- The Training fees includes course materials (if any), Working lunch and refreshment.

### PROGRAM REGULATIONS:

- Every trainee is required to attend the theory and Laboratory sessions regularly.
- Any Lab tasks / projects assigned are to be completed for successful accomplishment of the certification.
- If students fails to conform to the minimum norms as above, no certificate will be given.

## Inauguration of MITE-BR Centre of Competence for Automation Technologies



# Mangalore Institute of Technology and Engineering

## Bosch Rexroth Center of Competence in Automation Technologies

### Basic Hydraulics Pneumatics Lab Experiments

#### Hydraulics Experiments

- 1) Pump Characteristics curve of Positive displacement pump
- 2) Meter-in control of double acting cylinder
- 3) Meter-out control of double acting cylinder
- 4) Study of Hydraulic motor with 4/3 Direction control valve

#### Pneumatics Experiments

- 1) Direct control of double acting cylinder
- 2) Indirect control of double acting cylinder
- 3) Speed Control of Single Acting Cylinder—Slow Speed Extension and Rapid Retraction
- 4) Logical Controls with Shuttle and Twin-Pressure Valves
- 5) Sequential Control of Two Double Acting Cylinders without Overlapping Signals
- 6) Position Dependent Control of a Double Acting Cylinder with Mechanical Limit Switches

  
Head,

MITE-Bosch Rexroth Centre of Competence in Automation Technology, MITE





# Mangalore Institute of Technology and Engineering

(ISO 9001:2008 Certified Institution)

In Association with

## Bosch Rexroth Centre Of Competence in Automation Technology

**Programme Name: Industrial Automation Technology**

**Course Name: Programmable Logic Controllers**

**Course Code: BM02**

Chapter	Topics/Contents	Number of Hours
1	Introduction to Automation Technology Programmable Logic Controllers PLC Programming Languages	3 Hours
2	PLC Programming Environment Program Setup using Indraworks Engineering PLC Configuration in Indraworks Engineering Simple Basic Programs of Logic Gates	3 Hours
3	PLC Programs on Complex Gates Latching Motor Project Execution	3 Hours
4	PLC Box Tool Box Programs – Arithmetic, Logical, Rotation, Shift, MUX	3 Hours
5	Counter Programs in PLC Simple Projects	3 Hours
6	Timer Programs in PLC Simple Projects	3 Hours
7	PLC – HMI Programming	3 Hours
8	PLC – Projects	6 Hours
9	PLC Practice Exercises	6 Hours
10	Demo of PLC interface with Pneumatics Mechatronics Kit Demo	3 Hours

## DRIVE & CONTROL ACADEMY

Program on

**Industrial Automation Technology**

# CERTIFICATE

**PRAVEEN D S A**

**4MT16ME105**

of **Mangalore Institute of Technology & Engineering, Moodabidri**

has successfully completed the Certification program in the Training held during the period Feb 2018 to May 2018 at " **Mangalore Institute of Technology & Engineering - Bosch Rexroth Centre of Competence in Automation Technology**", Moodabidri.

Contents of the training:

Hydraulics & Pneumatics

Bosch Rexroth AG hereby confirms that the above mentioned participant has completed the training in line with Bosch Rexroth Training Centre Guidelines.



**Mr. Chetan Rajdev**  
Deputy General Manager  
Bosch Rexroth (India) Limited




**Mr. Narendra U.P**  
Head  
MITE-BR CoC, Moodabidri

## DRIVE & CONTROL ACADEMY

Program on

Industrial Automation Technology

# CERTIFICATE

VARSHIN S.U

4MT16ME157

of Mangalore Institute of Technology & Engineering, Moodabidri  
has successfully completed the Certification program in the Training held during the period  
Feb 2018 to May 2018 at "Mangalore Institute of Technology & Engineering - Bosch Rexroth  
Centre of Competence in Automation Technology", Moodabidri.


Contents of the training:

Hydraulics & Pneumatics

Bosch Rexroth AG hereby confirms that the above mentioned participant has completed  
the training in line with Bosch Rexroth Training Centre Guidelines.



**Mr. Chetan Rajdev**  
Deputy General Manager  
Bosch Rexroth (India) Limited



**Mr. Narendra U.P**  
Head  
MITE-BR CoC, Moodabidri



**MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING**

(An ISO 9001:2015 Certified Institution)

(A unit of Rajalaxmi Education Trust ®)

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

**Infosys| Campus connect**

## *Certificate of Appreciation*

This certificate is awarded to

**Mangalore Institute of Technology & Engineering**

in recognition of outstanding contribution in rolling out Infosys Campus  
Connect offering – **Soft Skills Program** during the period

**January 2015 to December 2015.**

*Satheesha B. Nanjappa*

**Satheesha B. Nanjappa**  
Associate Vice President, & Head – Campus Connect,  
Education, Training & Assessment, Infosys Limited

*Pramod Prakash Panda*

**Pramod Prakash Panda**  
Vice President & Group Head,  
Education, Training & Assessment, Infosys Limited





# *Certificate of Participation*

Grade |  $\geq 80$  : A+ |  $\geq 60$  : A |  $< 60$  : B

This is to certify that

**Prof. Shruthi. D** of

**Mangalore Institute of Technology & Engineering**

has participated in the **Faculty Enablement Program on “Python Programming through INFYTQ Platform”** conducted in **virtual mode through webinar** from **6<sup>th</sup> to 13<sup>th</sup> July 2020** by **Infosys Limited** and has been awarded with **"A+"** Grade.

**Thirumala Arohi**

Vice President & Head - Education, Training & Assessment,  
Infosys Limited

**Sundar KS**

Associate Vice President, & Head – Campus Connect,  
Education, Training & Assessment, Infosys Limited

# Certificate

OF COMPLETION

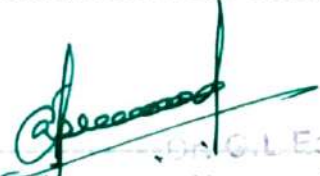
This is to certify that

**Ranjan Kumar**

(Roll No. 39

) has undergone training

under the Infosys Campus Connect Soft Skills Program at our institution

  
G.L. Eswara Prasad  
Head of Institution – Name and Signature

Date:

05 MAY 2017



# **MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING**

(An ISO 9001:2015 Certified Institution)

(A unit of Rajalaxmi Education Trust ®)

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

# **SIEMENS**



**MITE**  
MANGALORE



# **MITE** **SIEMENS**

**CENTER OF EXCELLENCE IN DIGITAL DESIGN,  
MANUFACTURING & VALIDATION**

# MITE SIEMENS

## CENTER OF EXCELLENCE IN DIGITAL DESIGN, MANUFACTURING & VALIDATION

Mangalore Institute of Technology & Engineering (MITE) has signed an MoU with SIEMENS PLM Software under which it has received an in-kind software grant towards the Centre of Excellence (CoE) for Digital Design, Validation and Digital Manufacturing. The value of the Software granted to the institute is around USD 79 Million. The MoU was signed on March 20th, 2014 and the CoE is operational from July 2015 onwards. MITE is the only Institute in the State of Karnataka to receive such a grant. The CoE gives students access to the same technology that companies around the world depend on every day to develop innovative products in a wide variety of industries including automotive, aerospace, machinery, shipbuilding, high-tech electronics, and many more. Graduates with this Siemens software training are in great demand during recruitment. The colossal grant for MITE includes Siemens PLM Software solutions such as NX™, Tecnomatix® and Fibersim™. The grant was provided by Siemens PLM



Software's academic program that delivers PLM software technology to more than one million students yearly at more than 12,000 global institutions. Siemens PLM Software is a leading global provider of product lifecycle management (PLM) software and services with 7 million licensed seats and more than 71,000 customers worldwide, delivering upon solutions to help its customers make smarter decisions that result in better products. By using the same technology in the classroom that is used by companies all over the world to develop a wide variety of products, our students gain important real-world exposure during their studies that will serve them well after graduation.

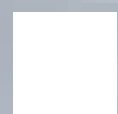
"As product complexity continues to grow, students who are able to use PLM software technology are expected to be highly recruited. Siemens PLM Software is delighted to have MITE as one of our academic partners to help build the next generation of engineers."

Mr. Suman Bose  
MD & CEO,  
Siemens Industry  
Software, India

# MITE SIEMENS

## CENTER OF EXCELLENCE IN DIGITAL DESIGN, MANUFACTURING & VALIDATION

The Center offers industry-certified courses on



**NXCAD**



**NXCAE**



**NXCAM**



**Tecnomatix Manufacturing**



**Tecnomatix Robcad**



**FEMAP with NXNastran**



**Fibersim**



**Documentation**

For further information contact:

**Dr. G Purushotham,**

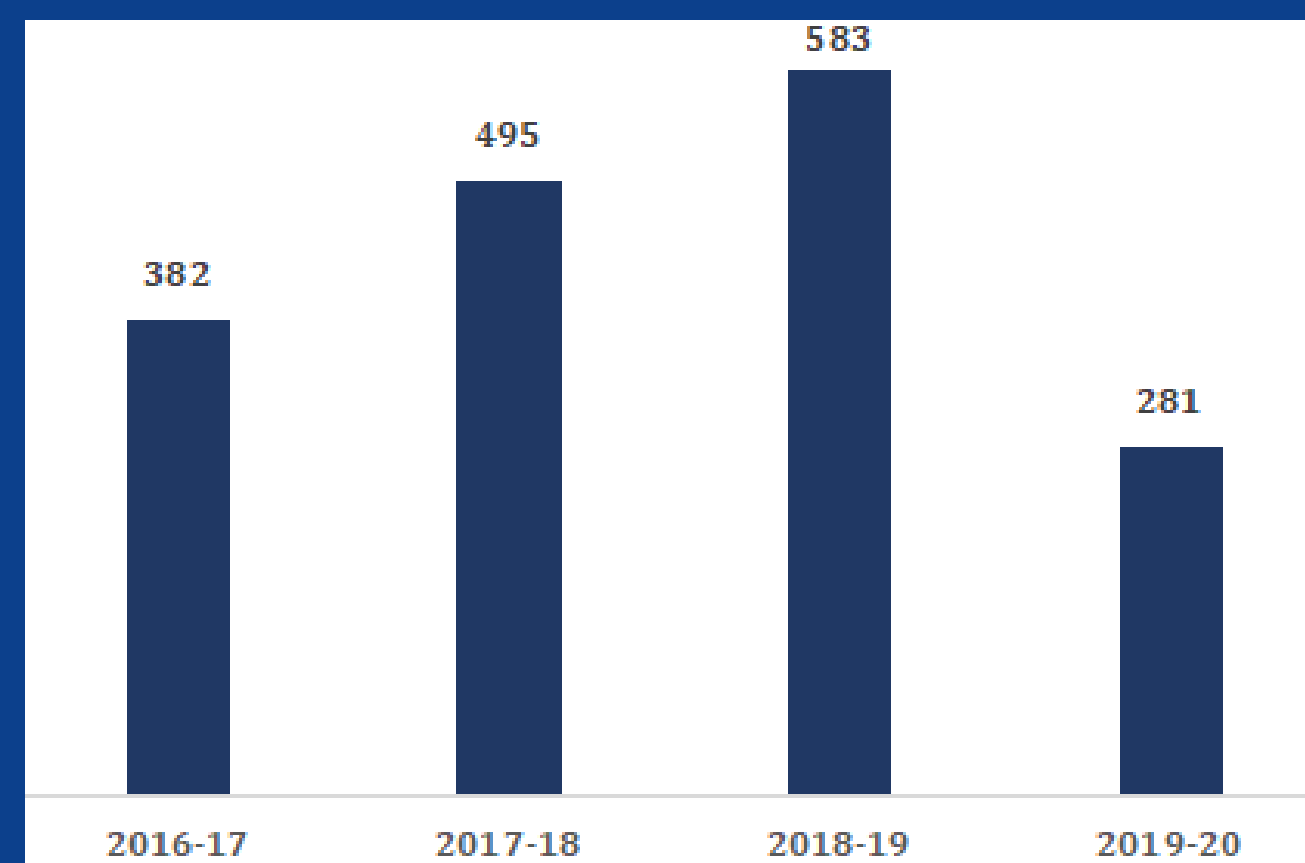
Center Head, MITE Siemens Center of Excellence

Head, Department of Aeronautical Engineering

Mangalore Institute of Technology & Engineering

Email: [hodaer@mite.ac.in](mailto:hodaer@mite.ac.in)

Mobile: 9880509299



Number of students certified through the MITE  
Siemens Center of Excellence year-wise



[miteedu](https://www.facebook.com/miteedu)



[miteedu](https://www.instagram.com/miteedu)

[www.mite.ac.in](http://www.mite.ac.in)



# Mangalore Institute of Technology and Engineering

(ISO 9001:2015 Certified Institution)

In Association with

## SIEMENS Center of Excellence for digital design, manufacturing and Validation

Programme Name: MITE-SIEMENS COE

Course Name: NX CAD

Course Code: SM03

Total Number of Hours: 40 Hours

Chapter	Topics/Contents	Number of Hours
1	<b>INTRODUCTION:-</b> Brief introduction about software	2 Hours
2	<b>GETTING STARTED:</b> basics required to use CAD package. a) Opening an NX 10 session, b) Printing, saving, and closing part files, c) getting acquainted with the NX 10 user interface d) Using layers and e) Understanding important commands and dialogs.	3 Hours
3	<b>TWO DIMENSIONAL SKETCHING:-</b> learn how to create and edit sketches in NX 10.create a sketch on a <i>Plane</i> in <i>Modeling</i> application	8Hours
4	<b>THREE DIMENSIONAL MODELING:</b> - basics of three dimensional modeling in NX 10.feature, different types of features, primitives and how to model features in NX 10 using primitives. Start to the modeling portion of NX 10 and develop an understanding of the use of <i>Form Features</i> for modeling. These include taper, edge blend, face blend, chamfer, trim, etc. After explaining the feature operations, the chapter will walk through some examples.	10 Hours
5	<b>ASSEMBLY MODELING:-</b> Create assembly of different component	10 Hours
6	<b>DRAFTING:</b> - Create drawings, views, geometry, dimensions, and drafting annotations necessary for the completion as well as understanding of an industrial drawing.	7 Hours

  
Head

**MITE-SIEMENS COE**

Head of the Department of  
Aeronautical Engineering,  
Mangalore Institute of Technology & Engg.,  
F-2, Jeeva Moodabidri - 574225  
Mangalore - 574225



# Mangalore Institute of Technology and Engineering

(ISO 9001:2015 Certified Institution)

In Association with

## SEIMENS Center of Excellence for Digital Design, Manufacturing and Validation

**Programme Name:**

**Course Name:** ROB CAD

**Course Code:**

**Total Number of Hours:** 40 Hours

Chapter	Topics/Contents	Number of Hours
1	<b>Introduction to RobCad</b> , Basic Robcad operation, View Control In Robcad, Customizing Robcad configuration	<b>3 Hours</b>
2	<b>Work cell Layout</b> , Introduction, Placement Command, Assembly Tree, Mount and attach	<b>3 Hours</b>
3	<b>Modeling and Kinematics</b> , Modeling Basic, Fundamental Kinematics	<b>10Hours</b>
4	<b>Processing</b> Inverse Kinematics, working with Path, Collision Detection	<b>10 Hours</b>
5	<b>Basic Simulation Technique</b> . Introduction Sequence of operation, Creating sequence ,Bring Part in and Out, Event and setting SOP collision and simulation analysis, storing output	<b>14 Hours</b>

**Head**

### MITE-SIEMENS COE

Head of the Department of  
Aeronautical Engineering,  
Mangalore Institute of Technology & Engg.)  
P O Mijar Moodabidri 574225  
Mangalore, Karnataka

**Siemens Industry Software India Pvt Ltd.**

hereby awards *"Certificate of Merit"* to

**SUHAIB MOHAMMED HUSSAIN**

bearing number : **SPLM / NX /17204**

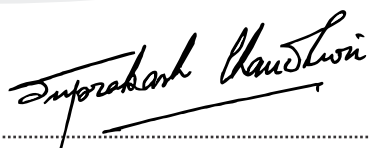

on successful completion of training program on

**NX-Essentials for NX Designers**

conducted through our authorized training partner

**MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRI**

Training Period: **1/Aug/18 to 20/Nov/18**



**Suprakash Chaudhuri**  
Managing Director - India



**Manoj Banthia**  
Services - Director

**Siemens Industry Software India Pvt Ltd.**

hereby awards *"Certificate of Merit"* to

**ABHIDEEP G SHETTY**

bearing number : **SPLM / NX /17205**

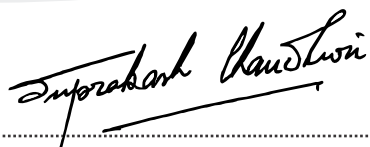

on successful completion of training program on

**NX-Essentials for NX Designers**

conducted through our authorized training partner

**MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRI**

**Training Period: 1/Aug/18 to 20/Nov/18**



**Suprakash Chaudhuri**  
Managing Director - India



**Manoj Banthia**  
Services - Director

**Siemens Industry Software India Pvt Ltd.**

hereby awards *"Certificate of Merit"* to

**ACHINTHYA SNEHANSHAN**

bearing number : **SPLM / NX /17206**

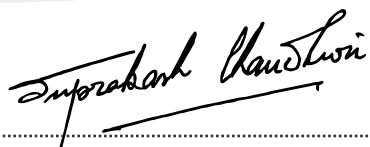

on successful completion of training program on

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**MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRI**

**Training Period: 1/Aug/18 to 20/Nov/18**



**Suprakash Chaudhuri**  
Managing Director - India



**Manoj Banthia**  
Services - Director



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**Carl Zeiss India Pvt. Ltd**

## **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 ‘πweb’.

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.



**Fig. 1.** Inauguration of Faculty Development Programme



**Fig. 2.** Session on Introduction to types of Measurement by Mr. Avilkumar



**Fig. 3.** Mr. Avilkumar explaining about measurements with example



**Fig. 4.** Session by Mr. Manjunatha Prasad on Inspection requirements in Engineering Industries



**Fig. 5.** Group photo of the participants with the Mr. Manjunath Prasad

## Department of Mechanical Engineering

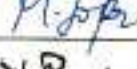
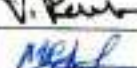


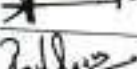
**Mangalore Institute of Technology and Engineering, Moodabidri- 574225**

**2 Day faculty development programme on "Advances in Industrial Metrology and GD&T"**

### Attendance Sheet

**Date : 27/07/2018**

**Time : 9.30 AM - 1 PM**

Sl No	Name of faculty	Designation	Department	Signature
1	Dr. C R Rajashekhar	Professor and HOD	Mechanical Engg.	
2	Dr. Chandra Shekar T K	Professor	Mechanical Engg.	
3	Dr. Neelakantha V Londe	Professor	Mechanical Engg.	
4	Dr. Lokesh M.	Professor	Mechanical Engg.	
5	V Ramesha	Associate Professor	Mechanical Engg.	
6	Mohan Kumar	Associate Professor	Mechanical Engg.	
7	Suresh Kumar R	Senior Assistant Professor	Mechanical Engg.	
8	Harold Joyson D'Souza	Senior Assistant Professor	Mechanical Engg.	
9	Saviraj A S	Senior Assistant Professor	Mechanical Engg.	
10	Rahul S	Assistant Professor	Mechanical Engg.	
11	Sridhar D R	Assistant Professor	Mechanical Engg.	
12	Somashekhar T M	Assistant Professor	Mechanical Engg.	
13	Sunil kumar S	Assistant Professor	Mechanical Engg.	
14	Purandara Naik	Assistant Professor	Mechanical Engg.	
15	Girish L.V	Assistant Professor	Mechanical Engg.	
16	Vikranth Kannanth	Assistant Professor	Mechanical Engg.	
17	Yajnesha P Shettigar	Assistant Professor	Mechanical Engg.	
18	Aveen K P	Assistant Professor	Mechanical Engg.	
19	Rueben Obed D'Souza	Assistant Professor	Mechanical Engg.	
20	Vishwas	Assistant Professor	Mechanical Engg.	
21	Bhanuprakash H S	Assistant Professor	Mechanical Engg.	

# Carl Zeiss India (Bangalore) Pvt. Ltd.

Bommasandra Industrial Area  
Bangalore 560099



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.

A handwritten signature in black ink, appearing to read "Prabhakar Kikkeri".

Mr. Prabhakar Kikkeri



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

# 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



# 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





# **MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING**

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## **KPIT Technologies Ltd.**



06/06/2019

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Darrel Reesha Pinto** who is pursuing her Bachelor of Engineering in Electronics and Communication from **Mangalore Institute of Technology & Engineering, Moodabidri** has undergone her training on following Project at KPIT Technologies Ltd: -

**Project Title – V2V Communication Using RF** under the guidance of **Rajesh Sola**

**Duration: 21/01/2019 to 28/02/19**

KPIT holds the Intellectual Property Rights for the work done. We declare that the report is authentic and verified by mentors and have ensured that no confidential information / content is mentioned in the report.

We wish all the best for her further studies and future career.

For KPIT Technologies Ltd.

**KNS Acharya**  
**Vice President**  
**Education & Competency Development**

**Rajesh Sola**  
**Education Specialist - ECoDe**  
**PES**

**KPIT Technologies Limited\***

Head Office and Registered Office: Plot # 17, Rajiv Gandhi Infotech Park, MIDC-SEZ, Phase III, Maan, Taluka - Mulshi, Hinjawadi, Pune - 411057, India.

Phone : + 91 20 67706000 / 6500 | [kpitin@kpit.com](mailto:kpitin@kpit.com) | [www.kpit.com](http://www.kpit.com) | CIN: U74999PN2015PLC174192

\*The name of the company is KPIT Engineering Limited. Pursuant to order of the National Company Law Tribunal, the name of the company will change to KPIT Technologies Limited in due course.



06/06/2019

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Fidha Shrin** who is pursuing her **Bachelor of Engineering in Electronics and Communication** from **Mangalore Institute of Technology & Engineering, Moodabidri** has undergone her training on following Project at KPIT Technologies Ltd: -

**Project Title – V2V Communication Using Li-Fi** under the guidance of **Rajesh Sola**

**Duration: 21/01/2019 to 28/02/19**

KPIT holds the Intellectual Property Rights for the work done. We declare that the report is authentic and verified by mentors and have ensured that no confidential information / content is mentioned in the report.

We wish all the best for her further studies and future career.

For KPIT Technologies Ltd.

  
**KNS Acharya**  
Vice President  
Education & Competency Development

  
**Rajesh Sola**  
Education Specialist - ECoDe  
PES

### KPIT Technologies Limited\*

Corporate and Registered Office: Plot # 17, Rajiv Gandhi Infotech Park, MIDC-SEZ, Phase III, Maan Taluka - Mulshi, Hinjawadi, Pune - 411057, India.

Phone: + 91 20 67706000 / 6500 | [kpitin@kpit.com](mailto:kpitin@kpit.com) | [www.kpit.com](http://www.kpit.com) | CIN: U74999PN2018PLC174192

\*Current name of the company is KPIT Engineering Limited. Pursuant to order of the National Company Law Tribunal, the name of the company will change to KPIT Technologies Limited, in due course



06/06/2019

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Nagraj** who is pursuing his **Bachelor of Engineering in Electronics and Communication** from **Mangalore Institute of Technology & Engineering, Moodabidri** has undergone his training on following Project at KPIT Technologies Ltd; -

**Project Title – Adaptive Lightning System** under the guidance of **Rajesh Sola**

**Duration: 21/01/2019 to 28/02/19**

KPIT holds the Intellectual Property Rights for the work done. We declare that the report is authentic and verified by mentors and have ensured that no confidential information / content is mentioned in the report.

We wish all the best for his further studies and future career.

For KPIT Technologies Ltd.

**KNS Acharya**  
**Vice President**  
**Education & Competency Development**

**Rajesh Sola**  
**Education Specialist - ECoDe**  
**PES**

**KPIT Technologies Limited\***

Head Office and Registered Office: Plot # 17, Rajiv Gandhi Infotech Park, MIDC-SEZ, Phase III, Maan, Taluka - Mulshi, Hinjawadi, Pune - 411057, India.  
Phone: + 91 20 67706000 / 6500 | [kpitin@kpit.com](mailto:kpitin@kpit.com) | [www.kpit.com](http://www.kpit.com) | CIN: U74999PN2018PLC174192  
The name of the company is KPIT Engineering Limited. Pursuant to order of the National Company Law Tribunal, the name of the company will change to KPIT Technologies Limited, in due course.



06/06/2019

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Atreya Chiplunkar** who is pursuing his **Bachelor of Engineering in Electronics and Communication** from **Mangalore Institute of Technology & Engineering, Moodabidri** has undergone his training on following Project at KPIT Technologies Ltd: -

**Project Title – Power Door Lock System** under the guidance of **Rajesh Sola**

**Duration: 21/01/2019 to 28/02/19**

KPIT holds the Intellectual Property Rights for the work done. We declare that the report is authentic and verified by mentors and have ensured that no confidential information / content is mentioned in the report.

We wish all the best for his further studies and future career.

For KPIT Technologies Ltd.

**KNS Acharya**  
**Vice President**  
**Education & Competency Development**

**Rajesh Sola**  
**Education Specialist - ECoDe**  
**PES**

**KPIT Technologies Limited\***

ate and Registered Office: Plot # 17, Rajiv Gandhi Infotech Park, MIDC-SEZ, Phase III, Maan,Taluka - Mulshi, Hinjawadi, Pune - 411057, India.

Phone: + 91 20 67706000 / 6500 | kpitin@kpit.com | www.kpit.com | CIN: U74999PN2018PLC174192

\*name of the company is KPIT Engineering Limited. Pursuant to order of the National Company Law Tribunal, the name of the company will change to KPIT Technologies Limited, in due course.



# **MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING**

(An ISO 9001:2015 Certified Institution)

(A unit of Rajalaxmi Education Trust ®)

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

# UiPath



**Subrahmanya**

is here by awarded the certificate of achievement for  
the successful completion of

**Step into Robotic Process Automation**

A handwritten signature in black ink, which appears to read 'S.P. Balamurugan', is positioned over a circular blue stamp. The stamp contains the GUVI logo and the text 'GUVI' and 'tech deserves you'.

S.P.Balamurugan

Co-founder, CEO

Valid certificate ID 9Q056Xe0V152FG1t9j

Verified certificate issue on May 31 2020

Verify certificate at [www.guvi.in/certificate?id=9Q056Xe0V152FG1t9j](http://www.guvi.in/certificate?id=9Q056Xe0V152FG1t9j)

In association with





**Prasad Talekar**

is here by awarded the certificate of achievement for  
the successful completion of

**Step into Robotic Process Automation**

A handwritten signature in blue ink, 'S.P. Balamurugan', is written over a circular blue stamp. The stamp contains the GUVI logo and the text 'GUVI' and 'UNIVERSITY OF VETINERAN'.

S.P.Balamurugan

Co-founder, CEO

Valid certificate ID iUIFK98zPo9Y657530

Verified certificate issue on June 1 2020

Verify certificate at [www.guvi.in/certificate?id=iUIFK98zPo9Y657530](http://www.guvi.in/certificate?id=iUIFK98zPo9Y657530)

In association with





**Lanston Pramith Fernandes**

is here by awarded the certificate of achievement for  
the successful completion of

**Step into Robotic Process Automation**

A handwritten signature in blue ink, 'S.P. Balamurugan', is written over a circular blue stamp. The stamp contains the GUVI logo and the text 'GUVI' and 'CERTIFICATE'.

S.P.Balamurugan

Co-founder, CEO

Valid certificate ID p180DL76Q9G966a150

Verified certificate issue on May 31 2020

Verify certificate at [www.guvi.in/certificate?id=p180DL76Q9G966a150](http://www.guvi.in/certificate?id=p180DL76Q9G966a150)

In association with





# Diploma of Completion

Proudly presented to:

Ramalingam H M

For successfully completing the learning plan:

RPA Developer Advanced

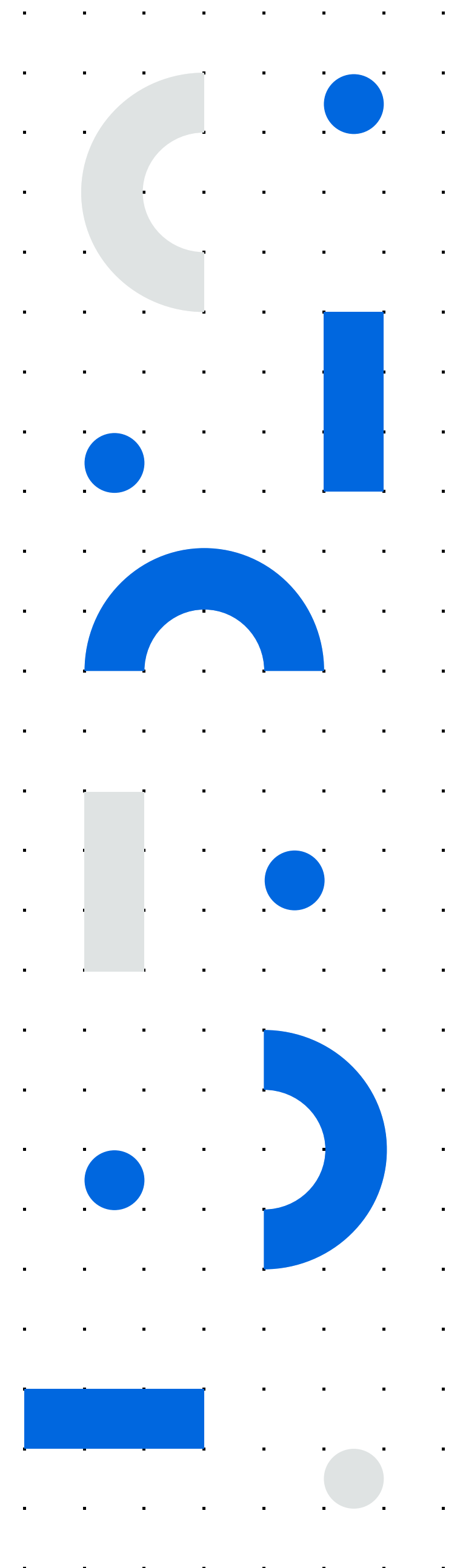
06/07/2019

Date of issue

A handwritten signature in black ink, reading "Thomas P. Clancy".

**Thomas P. Clancy**

Chief Learning Officer



# Certificate of Participation

Proudly presented to:

**Jayashree Hegde K**

for successfully completing the

**RPA Design and Development v1.0 - Educator Readiness program**

## Earning Criteria

- Complete UiPath RPADD course or self-study training
- Acquire hands-on skills with UiPath community or Academic Alliance edition software
- Pass an evaluation from the instructor
- At least 60% attendance

1<sup>st</sup> July 2020

**Date of issue**

**UiPath Academic Alliance**

**Issuing Authority**



# UiPath Academic Challenge 2019

This certificate is presented to

**MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING**

In recognition for your outstanding performance in  
UiPath Academic RPA Champ 2019



**Raghu Subramanian**  
Non-Executive Chairman  
UiPath India



**Alok Shrivastava**  
Vice President, UiPath Learning  
Industry Enablement



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# **Toyota Industries Engine India Private Limited (TIEI)**



Gajanan M Naik &lt;gajanan@mite.ac.in&gt;

---

**Fwd: Invitation: TIEI Induction Program || MITE-TIEI MoU @ Tue May 18, 2021  
11:15am - 12:45pm (IST) (hodmec@mite.ac.in)**

---

**Head Mech.** <hodmec@mite.ac.in>  
To: Gajanan M Naik <gajanan@mite.ac.in>

Wed, Jul 14, 2021 at 5:41 PM

----- Forwarded message -----

From: **Narendra U.P** <narendra@mite.ac.in>

Date: Mon, May 17, 2021 at 4:43 PM

Subject: Invitation: TIEI Induction Program || MITE-TIEI MoU @ Tue May 18, 2021 11:15am - 12:45pm (IST)  
(hodmec@mite.ac.in)

To: <hodmec@mite.ac.in>, Deepak Poojary <deepak@mite.ac.in>, <murthykr@mite.ac.in>, Jina Dharmasthala <jinaprasad@mite.ac.in>, Ashwini T.P. <ashwinitp@mite.ac.in>, <chennakeshava@mite.ac.in>, Glenson Toney <glenison@mite.ac.in>, <hodmtr@mite.ac.in>, <rajeshwari@mite.ac.in>, MTR-MITE <mtr@mite.ac.in>, <deanacademic@mite.ac.in>, <kirankumar@mite.ac.in>, <lokesha@mite.ac.in>, <akshaya@mite.ac.in>, <praveenks@mite.ac.in>, <mamatha@mite.ac.in>, Aveen K P <aveen@mite.ac.in>, Vikranth Kannanth <vikranth@mite.ac.in>, <purandara@mite.ac.in>, <shashikant@mite.ac.in>, Dr. Neelakantha V Londe <neelakantha@mite.ac.in>, <bhanuprakash@mite.ac.in>, <anudeep@mite.ac.in>, <vignesh@mite.ac.in>, <ganeshurs@mite.ac.in>, MEC-MITE <mec@mite.ac.in>, <sridhar@mite.ac.in>, <gautam@mite.ac.in>, <santhoshacharya@mite.ac.in>, <shivaramu@mite.ac.in>, <gajanan@mite.ac.in>, <swaroop@mite.ac.in>, <yajnesha@mite.ac.in>, <mohan@mite.ac.in>, <praveenpatil@mite.ac.in>, <madhusudhan@mite.ac.in>, <santhoshrao.k@tiei.toyota-industries.com>, <krithika.kr@tiei.toyota-industries.com>

You have been invited to the following event.

**TIEI Induction Program || MITE-TIEI MoU**

When Tue May 18, 2021 11:15am – 12:45pm India Standard Time - Kolkata

Where <https://zoom.us/j/93442429899?pwd=U0RaYjB2RjFQM2dJN08xMTgxOXpoZz09> (map)

Calendar [hodmec@mite.ac.in](mailto:hodmec@mite.ac.in)

Who

- Narendra U.P - organizer
- Deepak Poojary
- [murthykr@mite.ac.in](mailto:murthykr@mite.ac.in)
- Jina Dharmasthala
- Ashwini T.P.
- [chennakeshava@mite.ac.in](mailto:chennakeshava@mite.ac.in)
- Glenison Toney
- [hodmtr@mite.ac.in](mailto:hodmtr@mite.ac.in)
- [rajeshwari@mite.ac.in](mailto:rajeshwari@mite.ac.in)
- MTR-MITE
- [deanacademic@mite.ac.in](mailto:deanacademic@mite.ac.in)
- [kirankumar@mite.ac.in](mailto:kirankumar@mite.ac.in)
- [lokesha@mite.ac.in](mailto:lokesha@mite.ac.in)
- [akshaya@mite.ac.in](mailto:akshaya@mite.ac.in)
- [praveenks@mite.ac.in](mailto:praveenks@mite.ac.in)
- [mamatha@mite.ac.in](mailto:mamatha@mite.ac.in)
- Aveen K P
- Vikranth Kannanth
- [purandara@mite.ac.in](mailto:purandara@mite.ac.in)
- [shashikant@mite.ac.in](mailto:shashikant@mite.ac.in)
- Dr. Neelakantha V Londe
- [bhanuprakash@mite.ac.in](mailto:bhanuprakash@mite.ac.in)
- [anudeep@mite.ac.in](mailto:anudeep@mite.ac.in)
- [vignesh@mite.ac.in](mailto:vignesh@mite.ac.in)
- [ganeshurs@mite.ac.in](mailto:ganeshurs@mite.ac.in)
- MEC-MITE
- [sridhar@mite.ac.in](mailto:sridhar@mite.ac.in)
- [gautam@mite.ac.in](mailto:gautam@mite.ac.in)
- [santhoshacharya@mite.ac.in](mailto:santhoshacharya@mite.ac.in)
- [shivaramu@mite.ac.in](mailto:shivaramu@mite.ac.in)
- [gajanan@mite.ac.in](mailto:gajanan@mite.ac.in)
- [swaroop@mite.ac.in](mailto:swaroop@mite.ac.in)
- [yajnesha@mite.ac.in](mailto:yajnesha@mite.ac.in)
- [mohan@mite.ac.in](mailto:mohan@mite.ac.in)
- [praveenpatil@mite.ac.in](mailto:praveenpatil@mite.ac.in)
- [madhusudhan@mite.ac.in](mailto:madhusudhan@mite.ac.in)
- [hodmec@mite.ac.in](mailto:hodmec@mite.ac.in)
- [santhoshrao.k@tiei.toyota-industries.com](mailto:santhoshrao.k@tiei.toyota-industries.com)
- [krithika.kr@tiei.toyota-industries.com](mailto:krithika.kr@tiei.toyota-industries.com)

Narendra UP is inviting you to a scheduled Zoom meeting.

[more details »](#)

Join Zoom Meeting

<https://zoom.us/j/93442429899?pwd=U0RaYjB2RjFQM2dJN08xMTgxOXpoZz09>

Meeting ID: 934 4242 9899

Passcode: 161114

One tap mobile

+13462487799,,93442429899#,,,,\*161114# US (Houston)

+16465588656,,93442429899#,,,,\*161114# US (New York)

Dial by your location

+1 346 248 7799 US (Houston)

+1 646 558 8656 US (New York)

+1 669 900 9128 US (San Jose)

+1 253 215 8782 US (Tacoma)  
+1 301 715 8592 US (Washington DC)  
+1 312 626 6799 US (Chicago)  
Meeting ID: 934 4242 9899  
Passcode: 161114  
Find your local number: <https://zoom.us/j/93442429899>

Join by SIP  
[93442429899@zoomcrc.com](mailto:93442429899@zoomcrc.com)

Join by H.323  
162.255.37.11 (US West)  
162.255.36.11 (US East)  
115.114.131.7 (India Mumbai)  
115.114.115.7 (India Hyderabad)  
213.19.144.110 (Amsterdam Netherlands)  
213.244.140.110 (Germany)  
103.122.166.55 (Australia Sydney)  
103.122.167.55 (Australia Melbourne)  
149.137.40.110 (Singapore)  
64.211.144.160 (Brazil)  
69.174.57.160 (Canada Toronto)  
65.39.152.160 (Canada Vancouver)  
207.226.132.110 (Japan Tokyo)  
149.137.24.110 (Japan Osaka)  
Meeting ID: 934 4242 9899  
Passcode: 161114

Going ([hodmec@mite.ac.in](mailto:hodmec@mite.ac.in))? **Yes** - **Maybe** - **No** [more options »](#)

Invitation from [Google Calendar](#)

You are receiving this email at the account [hodmec@mite.ac.in](mailto:hodmec@mite.ac.in) because you are subscribed for invitations on calendar [hodmec@mite.ac.in](mailto:hodmec@mite.ac.in).

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**Use Mask**

**Keep Distance**

**Stay Safe**

Best regards  
Dr. Rajashekhar C.R  
Vice Principal and Head of Mechanical Engineering Department,  
Mangalore Institute of Technology & Engineering,  
Badaga Mijar, Moodbidri-574225  
Ph: 9008530758

---

 **invite.ics**  
4K



## **INDUCTION PROGRAM ORGANISED by TIEI**

**on**

### **“INSIGHTS INTO THE CORPORATE WORLD”**

**DATE: 18-MAY-2021 TIME: 11:15AM**

**By**

**Mr. Santosh Rao, Associate Vice President, Toyota Industries Engine India Ltd.**

**Ms Krithika K R, Officer, Human Resources Toyota Industries Engine India Ltd.**

Online induction program of TOYOTA INDUSTRIES ENGINE INDIA LTD (TIEI) on “INSIGHTS INTO THE CORPORATE WORLD” organized by career guidance cell, MITE-Moodbidri, the program was held on 18-5-2021 at 11:15AM. The program targeted second and third year Mechanical Engineering and Mechatronics students. Mr. Santosh Rao, Associate Vice President, and Ms Krithika K R, Officer, Human Resources, Toyota Industries Engine India Ltd, were the resource persons. Mr. Santosh Rao and Ms Krithika addressed few key factors like corporate work culture, employee engagement, quality aspects, corporate social responsibility, what industry expecting from the young Engineers and also specified the kinds of additional knowledge required for get in to corporate world. Along with this they have enlightened on time management and planning.

#### **About TIEI:**

Toyota Industries Engine India is the core part of Toyota Industries Corporation, Japan. Having a global presence with business interest in the areas of Material Handling Equipment, Electronics, Compressor, Textile Machinery and Engines. TIEI is engaged in manufacturing the heart of automobiles – the Engine. TIEI has been involved in the manufacture of critical transmission parts for the Toyota Group, since the year 2004. TIEI started the new Engine business in March 2016. This state-of-the-art facility is the first Diesel engine plant of Toyota in India and third globally, after Japan & Thailand. Spread across 22 acres, the engine manufacturing plant operates with a production capacity of 108000 units/ year. “In today’s ever-growing Automobile industry, there is a strong need for skilled engineers who are well exposed to engine manufacturing technology and environment.

PRESENTS A TALK ON  
**“ INSIGHTS INTO THE  
CORPORATE WORLD ”**

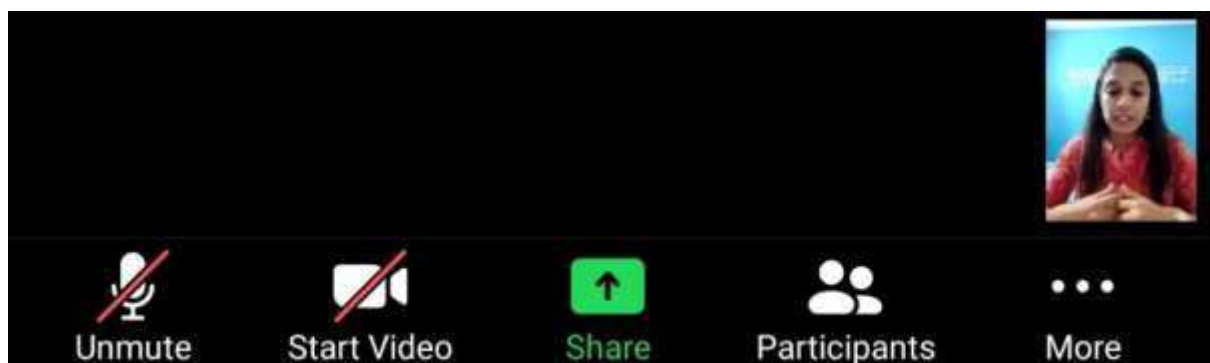
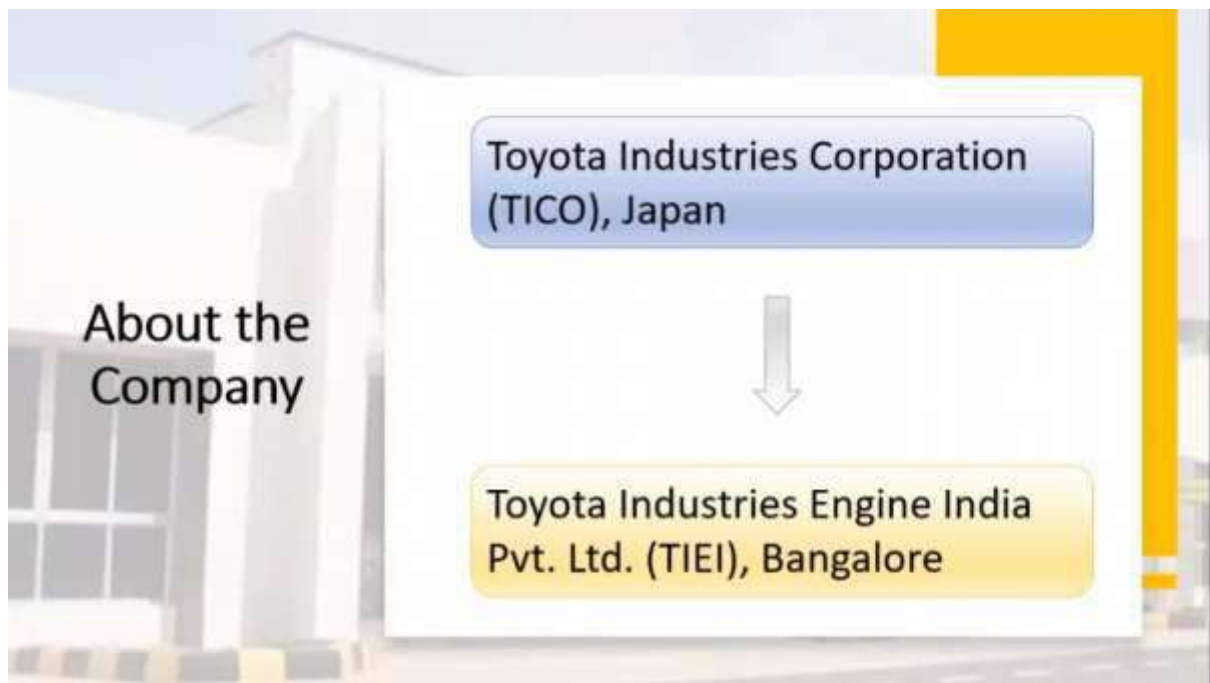


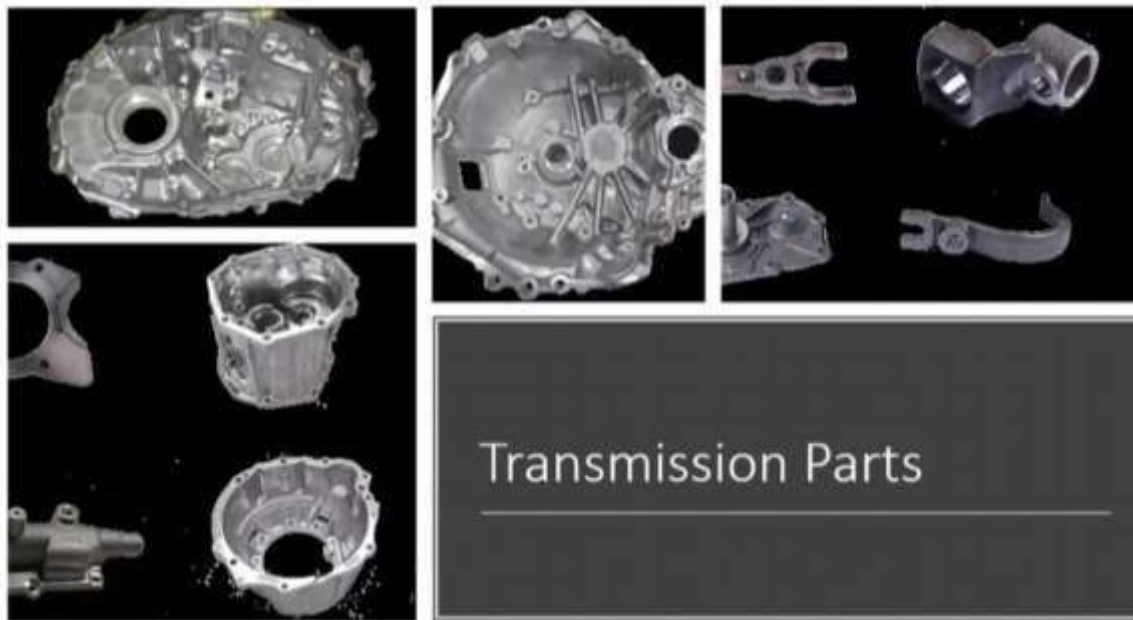
**MR. SANTOSH RAO**  
ASSOCIATE VICE PRESIDENT - HR  
TOYOTA INDUSTRIES ENGINE INDIA



**MS. KRITHIKA KR**  
OFFICER - HUMAN RESOURCES  
TOYOTA INDUSTRIES ENGINE INDIA

**MAY 18, 2021**  
**11:15 AM**





## Engine



1GD-FTV



2GD-FTV

## Corporate Journey



## **INDUCTION PROGRAM ATTENDANCE**

### **DEPARTMENT OF MECHANICAL ENGINEERING**

#### **4ME (AUG-JULY 2021)**

<b>SL.NO</b>	<b>USN</b>	<b>STUDENT NAME</b>
1	4MT17ME100	PRAKHYATH J
2	4MT17ME103	PRAVEEN NAIR P
3	4MT18ME001	ABDUL SAMI
4	4MT18ME005	ADITHYA SHETTY
5	4MT18ME015	AMAL PK
6	4MT18ME017	AMOGH P HEGDE
7	4MT18ME026	CHANDAN RAO P
8	4MT18ME029	CHIRAYU RAI
9	4MT18ME030	CYRIL VIKAS
10	4MT18ME032	DARSHAN SHETTY
11	4MT18ME057	MIDHLAJ KP
12	4MT18ME063	MOHAMMED KHALLEL
13	4MT18ME075	NARENDRA NAYAK
14	4MT18ME081	OMAR ZIDAN
15	4MT18ME088	PRATHEEK K C
16	4MT18ME091	RACHAN R SHETTY
17	4MT18ME099	RITESH KUMAR
18	4MT18ME137	VISHNU RAJ
19	4MT19ME001	ABDUL RAHEEM O T
20	4MT19ME002	AKASH
21	4MT19ME003	BHARATHESH
22	4MT19ME004	DEV DARSH C AJAY
23	4MT19ME005	HARSHITH
24	4MT19ME006	HASHIR SYED ADIL BAFAKYH
25	4MT19ME007	HAZIM ISMAIL K
26	4MT19ME008	K SRIJAN RAI
27	4MT19ME010	KISHAN KOTIAN
28	4MT19ME011	LUCKY SOMANNA M K
29	4MT19ME012	MALATESH L
30	4MT19ME014	MERWYN PINTO
31	4MT19ME015	MOHAMED KHALID
32	4MT19ME016	MOHAMMED MUNAWAR
33	4MT19ME017	MOHAN CHANDRA N MOOLYA
34	4MT19ME018	MOHOMED SHURAIH
35	4MT19ME019	NISHAN
36	4MT19ME020	NITHESH
37	4MT19ME021	NUMAAN NAVEED AHMED
38	4MT19ME022	PRADEEP SHETTY
39	4MT19ME023	PRAVEEN SURYAKANTH NAIK

40	4MT19ME024	RAEID
41	4MT19ME025	RAJPRASAD N ACHARYA
42	4MT19ME026	RAJATH S MADIVAL
43	4MT19ME027	RAKESH G M
44	4MT19ME028	RAMACHANDRA SHRIDHAR BHAT
45	4MT19ME029	RITHIC LOBO
46	4MT19ME030	SAYEED ANWAR P M
47	4MT19ME031	SHOHAN
48	4MT19ME032	SIDDESH B N
49	4MT19ME033	SOURAB SHETTY
50	4MT19ME034	SREENIVASAN
51	4MT19ME035	STEPHAN CLINTON SERRAO
52	4MT19ME036	SUJAN L
53	4MT19ME037	SUSHANTH
54	4MT19ME038	VAIBHAV PRAKASH NAIK
55	4MT19ME039	VARUN GUNAKAR
56	4MT19ME040	VIGNESH JNANESH
57	4MT19ME041	MOHAMMED SHAMSHEER
58	4MT19ME042	MANISH SUVARNA
59	4MT19ME043	MOHAMMED SHANID
60	LATERAL ENTRY	WAYNE GODFREY BARBOZA
61	LATERAL ENTRY	SWAROOP S. BHANDARY
62	LATERAL ENTRY	CHIRANTH JAIN
63	LATERAL ENTRY	MENDON KARTHIK
64	LATERAL ENTRY	DARSHAN S SHETTY
65	LATERAL ENTRY	MARVIN LANCE
66	LATERAL ENTRY	ANISH PINTO
67	LATERAL ENTRY	NIKHIL
68	LATERAL ENTRY	NAGENDRA ANANTH MAHALE

**DEPARTMENT OF MECHANICAL ENGINEERING**  
**6ME1 (AUG-JULY 2021)**

SL. NO	USN	NAME
1	4MT17ME027	AVANISH M KUMAR
2	4MT17ME106	RAIHAN K K
3	4MT17ME126	SARANG
4	4MT17ME145	SOURAV DINESH
5	4MT17ME155	V KISHAN KUMAR
6	4MT17ME168	YASHIN MOHAMMED P
7	4MT18ME003	ABHISHEK A SHETTY
8	4MT18ME004	ABHISHEK S PATIL
9	4MT18ME006	ADWEAITH MENON

10	4MT18ME007	AJITH S
11	4MT18ME008	AKASH S ADAVIBHAVI
12	4MT18ME009	AKASH SHANKAR POOJARI
13	4MT18ME010	AKASH SHETTY
14	4MT18ME011	AKSHAY A
15	4MT18ME016	AMIN MANOJKUMAR SADASHIVA
16	4MT18ME018	ANIRUDH V PURANIK K
17	4MT18ME019	ANISH V
18	4MT18ME022	ARJUN M
19	4MT18ME024	ASHWIN K
20	4MT18ME025	BHASKARA GOWDA
21	4MT18ME027	CHARAN
22	4MT18ME028	CHINTHAN SHETTY
23	4MT18ME031	D P ANISH
24	4MT18ME039	HARSHITH POOJARY
25	4MT18ME043	IRFAN
26	4MT18ME045	JITHESH
27	4MT18ME046	JOSWYNRAJAT MENEZES
28	4MT18ME047	KARTHIK PRABHU
29	4MT18ME049	KAUSHIK M HEGDE
30	4MT18ME050	KRISHNA N
31	4MT18ME052	LOYAL AARON NORONHA
32	4MT18ME053	MAHAMMED JAVID
33	4MT18ME054	MAHEE HUSAIN ISMAIL
34	4MT18ME059	MOHAMMED ADNAN
35	4MT18ME062	MOHAMMED FURQAN
36	4MT18ME065	MOHAMMED RAIYAN KHAN
37	4MT18ME066	MOHAMMED SALMAN FAKKI
38	4MT18ME067	MOHAMMED YASEEN
39	4MT18ME068	MOHAMMED MUDDASIR
40	4MT18ME070	MUHAMMED BADISH
41	4MT18ME072	MURUGHARAJENDRA B MALAGI
42	4MT18ME073	NAMRATH R H
43	4MT18ME077	NIRANJAN KAMATH
44	4MT18ME079	NITHESHA KUMAR
45	4MT18ME080	NITHIN NORONHA
46	4MT18ME082	PAVAN KUMAR J
47	4MT18ME083	POUDAN KUMAR
48	4MT18ME084	PRAHALLAD A CHOWTA
49	4MT18ME085	PRAJWAL G NAGMULE
50	4MT18ME086	PRAJWAL S SALIAN
51	4MT18ME087	PRASHANT LACHYAN
52	4MT18ME089	PRUTHVI
53	4MT18ME094	RANJAN R SHETTY
54	4MT18ME101	ROYSTON CORDA
55	4MT18ME111	SHASHANK RAJU POOJARY
56	4MT18ME113	SHAZEB SHAFI

57	4MT18ME115	SHETTY ADARSH SEETARAM
58	4MT18ME116	SHETTY DHANANJAY JAGDISH
59	4MT18ME119	SHOBITH
60	4MT18ME124	SREERAG V
61	4MT18ME129	SUMAN YADAV L
62	4MT18ME133	TARUN D SHETTY
63	4MT18ME134	VIKAS K H
64	4MT18ME136	VINITH SHETTY
65	4MT18ME138	VIVEK SHIVANATH TAMSE
66	4MT19ME400	ASHISH AJRI
67	4MT19ME401	ATHER HUSSAIN ISMAIL UPPARKAR
68	4MT19ME402	CHANDAN P
69	4MT19ME403	DEVARAJ B
70	4MT17ME053	KAIF YUSUF
71	4MT17ME080	MUHAIB ALI
72	4MT17ME096	RADHVIK POONJA
73	4MT17ME117	SHAMANTH
74	4MT17ME129	SHAIKH MAHAMMED DANYAL
75	4MT18ME002	ABHIRAMI SUBHAG
76	4MT18ME014	ALFAZ
77	4MT18ME020	ANUGRAH VALSARAJ
78	4MT18ME021	ARJUN E
79	4MT18ME023	ASHWIN
80	4MT18ME033	DEEKSHITH
81	4MT18ME034	DHANUSH SHETTY
82	4MT18ME035	FAWAZ M H
83	4MT18ME036	GAGAN GUNAKAR
84	4MT18ME037	GIRISH
85	4MT18ME038	HARSHA A DEVADIGA
86	4MT18ME040	HASHEEL ISMAIL ABDUL RAHIMAN
87	4MT18ME041	HRISHIKESH RAJ
88	4MT18ME042	HRITHIK SANIL KUMAR
89	4MT18ME044	IRWIN FELIX DSOUZA
90	4MT18ME055	MAVILAKANDY SANJAL RAJEEV
91	4MT18ME056	MEGHA B H
92	4MT18ME058	MITHUN NAIK
93	4MT18ME060	MOHAMMED AZAR
94	4MT18ME061	MOHAMMED FAZIL ALI
95	4MT18ME064	MOHAMMED MAHROOF H
96	4MT18ME071	MUHAMMED SAAD
97	4MT18ME074	NANDAN
98	4MT18ME076	NAVANEETH M GOWDA
99	4MT18ME078	NITESH
100	4MT18ME090	R YASHWANTH
101	4MT18ME092	RAKESH R KOTIAN
102	4MT18ME093	RAKSHITH N

103	4MT18ME095	RANJITH K
104	4MT18ME096	RAZAAN RAFIQUE KUKKADI
105	4MT18ME097	REUBEN GEORGE OOMMEN
106	4MT18ME098	REVIN SONAL
107	4MT18ME100	RITHVIK S SHETTY
108	4MT18ME102	RUHAIL
109	4MT18ME103	RUTHVIK A BANGERA
110	4MT18ME104	S MOHITH
111	4MT18ME105	SAGAR
112	4MT18ME106	SAIBAN ASHFAQUE KHOKA
113	4MT18ME108	SAYED MOHAMMED ASFAN
114	4MT18ME109	SHAMIL G V
115	4MT18ME110	SHASHANK K
116	4MT18ME112	SHASHANK SHRIDHAR KANNAJE
117	4MT18ME114	SHEIK MOHAMMAD ARIF
118	4MT18ME118	SHETTY RAKSHIT PRADEEP
119	4MT18ME120	SHREERAKSHA P
120	4MT18ME121	SIDHARTH K S
121	4MT18ME122	SIDHARTH SEKHAR
122	4MT18ME123	SNEHAL PRADEEP SHET
123	4MT18ME125	SRINIDHI N
124	4MT18ME126	SUDHANSHU
125	4MT18ME127	SUHAS S
126	4MT18ME128	SUJITH
127	4MT18ME130	SUMANTH S DEVADIGA
128	4MT18ME131	SUMITH S
129	4MT18ME132	SUSHANTH NAYAK
130	4MT18ME135	VIKIT HEGDE
131	4MT19ME404	MANJUNATHA R
132	4MT19ME405	MOHAMMAD SAHAD
133	4MT19ME406	MOHAMMED GOUSE
134	4MT19ME407	SUPRITHA S
135	4MT17ME019	AKSHAY VIJAYAN
136	4MT17ME022	AMIR
137	4MT17ME025	ANURAG M V
138	4MT16ME056	KEERTHAN KUMAR RATHNAKAR SHETTY

DEPARTMENT OF MECHATRONICS		
4 <sup>TH</sup> SEM STUDENTS LIST 2020-21		
SN	USN	NAME
1	4MT18MT001	QADIR
2	4MT18MT013	LIONEL
3	4MT19MT001	AADARSH.H
4	4MT19MT002	ABDUL AZIM K M

5	4MT19MT003	ABDUL RAHMAN AFLAL
6	4MT19MT004	ABHILASH N SHETTY
7	4MT19MT005	ABHISHEK BHAT I A
8	4MT19MT006	ACHARYA SHRIYA SHRIDHAR
9	4MT19MT007	ANDREA LEO ANTONY
10	4MT19MT008	ANUSH VIVIAN CRASTA
11	4MT19MT009	ANVIS K P
12	4MT19MT010	ASHIK T NAIK
13	4MT19MT011	ASHVITH K SHAJI
14	4MT19MT012	CHARAN SHETTY TV
15	4MT19MT013	CHETAN CHOUGULE
16	4MT19MT014	CHETHAN D SHETTIGAR
17	4MT19MT015	DARIN D SOUZA
18	4MT19MT016	DEEKSHITH B N
19	4MT19MT017	DHRUVA JADHAV
20	4MT19MT018	GURU PAVAN K
21	4MT19MT019	HEGDE SHRAVAN GANESH
22	4MT19MT020	HITHESH K NAIK
23	4MT19MT021	JOB PRINCE
24	4MT19MT022	JOSE MALCOLM DSOUZA
25	4MT19MT023	K PRAJITH P AJRI
26	4MT19MT024	RAHUL K
27	4MT19MT025	KEDAR MALLYA
28	4MT19MT026	KETAN MARUTI PRABHU
29	4MT19MT027	LEDSON LEWIS
30	4MT19MT028	M RAHID
31	4MT19MT029	MOHAMMED GOUSE S SHAIKH
32	4MT19MT030	MOHAMMED KHAIF AMAN
33	4MT19MT031	MOHAMMED SAVAD
34	4MT19MT032	N MUHEEF
35	4MT19MT033	NANDAN R BANGERA
36	4MT19MT034	NASH SAVIO RODRIGUES
37	4MT19MT035	NAWMAN BAIG
38	4MT19MT036	NEERAJ M
39	4MT19MT037	NIVEDH D BANGERA
40	4MT19MT038	NUAIM ABDUR RAHMAN
41	4MT19MT039	RAHUL
42	4MT19MT040	ROHIT R PATIL
43	4MT19MT041	S BANU PRAKASH REDDY
44	4MT19MT042	S JEEVAN SAI REDDY
45	4MT19MT043	SANTHOSH HEGDE
46	4MT19MT044	SARANG MOHAMMED SALEEF
47	4MT19MT045	SHAHID SAYED
48	4MT19MT046	SHAIKH MOHAMMED AIMAN
49	4MT19MT047	SHASHANK S

50	4MT19MT048	SHASHANTH KUMAR
51	4MT19MT049	SHETTY NISHANT VASUDEVA
52	4MT19MT050	SNIGHDHA SHAW
53	4MT19MT051	SRUJAN J SHETTY
54	4MT19MT052	SUBRAMANYA NAYAK
55	4MT19MT053	SUCHIT C S
56	4MT19MT054	TUSHAR U
57	4MT19MT055	UMAR FAROOQ
58	4MT19MT057	VIVEK ANCHAN
59	4MT19MT058	YASHAS D
60	4MT19MT059	YEDHU KRISHNA. K
61	4MT18MT014	MK MOHAMMED SINAN
62	4MT18MT018	MUHAMMED NIHAL CM
63	4MT18MT044	DILNA SULTANA BIN MUSTAFA
64	4MT20MT400	HEMANTKUMAR J KABOVINAVAR
65	4MT20MT401	PRAJWAL MANJUNATH PUJARI
66	4MT20MT402	PRAVEEN B MATTEPPANAVAR
67	4MT20MT403	SHAQEEN N MANIYAR
68	4MT20MT404	SHIVAPRASAD S SANKANGOUDAR
69	4MT20MT405	VISHAL B CHANNAMMANAVAR

<b>DEPARTMENT OF MECHATRONICS</b>		
<b>6<sup>TH</sup> SEM STUDENTS LIST 2020-21</b>		
<b>SN</b>	<b>USN</b>	<b>NAME</b>
1	4MT18MT002	ALAN JOEL FERNANDES
2	4MT18MT003	ANAGHA N G
3	4MT18MT004	ARUN UDAY NAIK
4	4MT18MT005	BHAVESH SHARMA
5	4MT18MT006	DHANUSH
6	4MT18MT007	EDWIN SEBASTIAN
7	4MT18MT008	GHANASHYAM BAILUR
8	4MT18MT009	HRISHEEKESH S SHETTIGAR
9	4MT18MT010	IRFAD HUSSAIN
10	4MT18MT011	K A NAGASHREE PAI
11	4MT18MT012	KARTHIK B
12	4MT18MT015	MOHAMMED SOHAIL K
13	4MT18MT016	MUHAMMED MUNAIM
14	4MT18MT017	MUHAMMED MUZAMMIL P
15	4MT18MT019	NIHAL
16	4MT18MT021	NIKHIL S
17	4MT18MT022	NISHITH B POOJARI
18	4MT18MT023	NITIN KADIAN
19	4MT18MT024	PRAMOD V MOOLYA
20	4MT18MT025	PUNEETH RAO MORE

21	4MT18MT026	ROYSTON PARAMBII
22	4MT18MT027	SADAF MOAHMMED NAWAZ
23	4MT18MT028	SAMIKSHA N
24	4MT18MT029	SAMMED SHETTI
25	4MT18MT030	SANDESH
26	4MT18MT032	SHARAFATH SHAHZU MOHAMMED
27	4MT18MT033	SHASHIKANT BINJALABHAVI
28	4MT18MT034	SHETTY KARTHIK VISHWANATH
29	4MT18MT035	SHIVA SHANKAR D S
30	4MT18MT036	SHIVAPRASAD K M
31	4MT18MT037	SUDHARSHAN SALIAN
32	4MT18MT038	SUMUKHA B
33	4MT18MT039	THANMAY M
34	4MT18MT040	VARSHITH
35	4MT18MT041	VIJESH N K
36	4MT18MT042	VISHWAS VASHISTH
37	4MT18MT043	YASH JOGI
38	4MT19MT400	ABU SUHEL A
39	4MT19MT401	ANUP GOURAJ
40	4MT19MT402	GURURAJ S NEKAR
41	4MT19MT403	MOHDWASEEM
42	4MT19MT404	MANUEL CRUZ ANGELO RAPOSO
43	4MT19MT405	SANDESH PURANIK
44	4MT19MT406	SHIVRAJU LN
45	4MT19MT407	YASHAS J H
46	4MT16MT028	PARTHASARADHI RAMAKRISHNAN
47	4MT17MT020	GURJAO VICKSAN JACINTO
48	4MT17MT023	KISHORE KUMAR S
49	4MT17MT024	LIKITH M J
50	4MT17MT057	PAVAN S SHETTY
51	4MT18MT401	ANANTHAKRISHNA M S
52	4MT18MT405	SUJAY K N

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

**Report of Technical talk**

1. **Title:** 'Computer Aided Manufacturing'
2. **Resource person name with designation:** Mr. Balasubramanya general manager in the production department, TIEI Bangalore. Mr Mohammed Yusuf manager in production engineering, TIEI Bangalore.

3. **Brief Profile of Resource person:**

**Mr. Balasubramanya** has 30 years of experience in the manufacturing industry from machine tool to textile machinery and auto parts industry. He has vast knowledge and experience in the field of design, process manufacturing, purchase production, control, logistics and most famous Toyota production system. He has developed and maintained entire supply chain management for medium to semi-large scale industry. He has been trained in the latest manufacturing technology in Japan and Thailand.

**Mr Mohammed Yusuf**, who is working as the manager in production engineering, TIEI Bangalore. He graduated from the mechanical engineering department of RV College Bangalore. He has 12 years of experience in Toyota Group industries & currently focusing on the activities are

- Digitalization & Internet of Things (IoT)
- Automatic Guided Vehicles (AGV)
- Low cost & Low power Automations
- Machine building

4. **Date organized:** 30.07.2021

5. **Duration:** One hour

6. **Topics Covered:**

- **Roles of computers & Evolution of CIM**
- **Computer Integrated Manufacturing – [Applicaton]**
- **Benefits of CIM**
- **Current Trends & Future of CIM**
- **Case Study 1:** Internet of things -Improve of Predictive maintenance
- **Case Study 2:** Tool prioritization for tool management through IOT

7. **Venue:** Online

([https://us06web.zoom.us/meeting/register/tZUqduqtrT0pG9HDe9HisXE\\_bVAE-Ufpcx7](https://us06web.zoom.us/meeting/register/tZUqduqtrT0pG9HDe9HisXE_bVAE-Ufpcx7))

8. **Target Audience:** 4ME & 6ME

## 9. Brochure:



## 10. Attendance Sheet:

## 11. Outcome of the Talk:

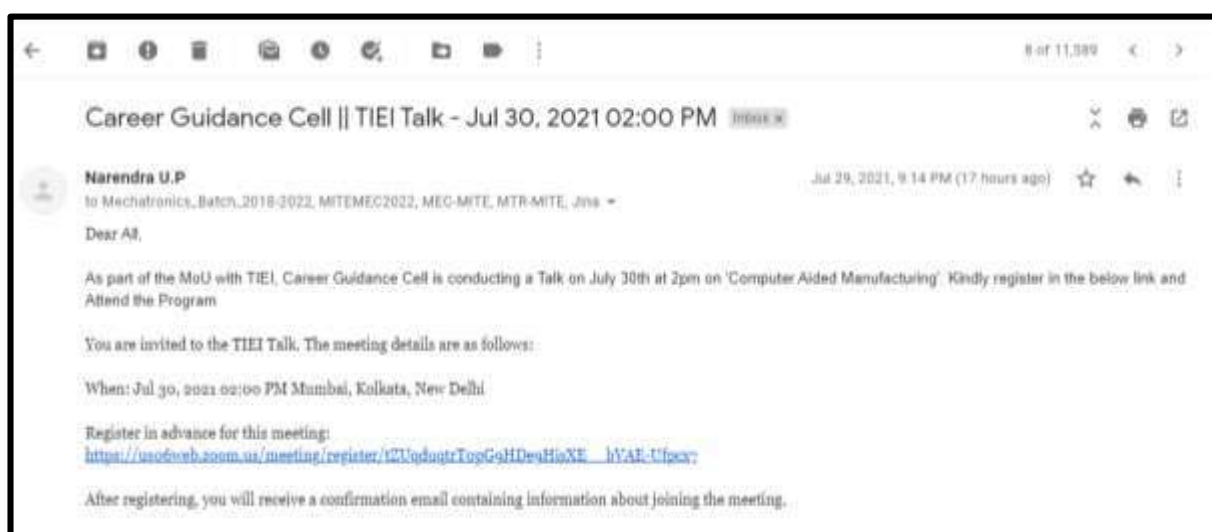
- Applying CAD/CAM concept to product design and manufacturing.
- Exposure to CAD/CAM application.
- Understand the digital transformation in manufacturing employs IOT, ML, AI, VR AR, etc.
- Understand the future developments of Agile Green & Virtual Manufacturing.
- Understand the development of Real time monitoring through IOT.
- Understand the tool requirement & life management through IOT

## 12. Feedback: NA

## 13. Program Coordinator: Career Guidance Cell

## 14. Total Number of Students : 156

## 15. Programme Photos.



## 2) Role of Computers & evolution of CIM

**[ Computer footprint in our life ]**

Computer applications are growing in numbers, typically man cannot go to bed without touching these technology.

3:07:49:21

5:21

Remove Spotlight

Utsav

Start Video

Security

Participants 138

Chat

Share Screen

Record

Breakout Rooms

Reactions

Leave

TOYOTA INDUSTRIES ENGINE INDIA PVT. LTD.

Remove Spotlight

Utsav

Start Video

Security

Participants 138

Chat

Share Screen

Record

Breakout Rooms

Reactions

Leave

Zoom Meeting

You are viewing G. Sankarabharan's screen

View Options

Recording

View

Remove Spotlight

Utsav

Start Video

Security

Participants 150

Chat

Share Screen

Record

Breakout Rooms

Reactions

Leave

Type here to search

ENG 2:28 PM 30-Jul-21

### 3) Computer Integrated Manufacturing – [Application]

Material & Information diagram (Bird's eye view)

Legend:

- 1. Small (Pilot & Forward)
- 2. Small (Pilot & Forward)
- 3. S.C. (Proprietary software)
- 4. TMS (Proprietary software)
- 5. Andon (E-Display)

Key CIM elements:

- 1. Production order between Customer & Supplier - Proprietary Software
- 2. Production instruction to Assembly - Proprietary software
- 3. Visualize production plan/actual through Andon (Electronic display)

12/21

### 4) Benefits of CIM

1. Error free manufacturing

- Avoid human error
- Improve Quality
- Maximize safety

2. Speed of manufacturing

- Higher productivity
- Increased capacity

3. Higher Flexibility in manufacturing

- Adapt to change in Business conditions
- Scalability in technology

4. Integrated manufacturing

- Common architecture
- Seamless communication

15/21

### 5) Current trend & Future of CIM

#### Current trend

1. Smart manufacturing

Manufacturing employs CIM for high degree of adaptability to rapid changes with digital transformation. Smart manufacturing lead to flexible manufacturing to changing demands with Optimized supply chain & efficient productivity.

SMART FACTORY

16/21

The screenshot shows a Zoom meeting interface. On the left, a presentation slide titled "Internet of Things - Improve Predictive Maintenance" is displayed. The slide contains text and a diagram illustrating the concept of predictive maintenance using IoT. On the right, a video feed of a participant wearing a black face mask is visible. The Zoom control bar at the bottom shows options like "Unmute", "Start Video", "Security", "Participants", "Chat", "Share Screen", "Record", "Breakout Rooms", and "Reactions". The system tray at the bottom indicates the time as 3:58 PM on 30-Jul-21.

This screenshot shows the same Zoom meeting. The presentation slide now displays a table of data, likely related to the predictive maintenance topic. The table has multiple columns and rows of data, some highlighted in yellow. The participant's video feed remains on the right. The Zoom control bar and system tray are consistent with the previous screenshot.

This screenshot shows the Zoom meeting with an additional panel on the right displaying a list of participants. The presentation slide on the left is titled "Tool Identification for Tool Management through IoT" and includes a diagram. The participant's video feed is in the center. The Zoom control bar at the bottom shows the "More" button. The system tray at the bottom indicates the time as 3:58 PM on 30-Jul-21.

Participant Name	Status
SS Soujan Shetty	🔴
SN Subramanyo Hajak	🔴
SC Sudel Chandrasekhar	🔴
SS Sudeshan Salan	🔴
SS Sudhanshu Bhat	🔴
SS Suhas S	🔴
SS Sujith Suvanna	🔴
SS Samanth S Devidaga	🔴
SS Samith S	🔴
SS Samukha B	🔴
SS Supriya S	🔴
SN Sushanth Nayak	🔴
SS Sushanth Shetty	🔴
TS Tarun Shetty	🔴

## FEEDBACK Questionnaires'

1. What percentage of the information was new to you?
2. How satisfied were you with the event?
3. How relevant and helpful do you think it was for your job?
4. Skill and responsiveness of the instructor [Instructor was an effective lecturer/demonstrator]
4. Skill and responsiveness of the instructor [Instructor stimulated student interest]
4. Skill and responsiveness of the instructor [Instructor was available and helpful]
5. How satisfied were you with the session content?
6. What were your key take away from this event?
7. Any overall feedback for the event?

Timestamp	USN	Name	SEC	1	2	3	4	5	6	7	8	9
7/30/2021 15:36:30	4MT19ME007	Hazim Ismail K	4ME	75	4	4	4	3	4	4	Need to learn this method	Good
7/30/2021 15:37:11	4MT18ME093	Rakshith kn	6ME2	100	4	4	1	1	1	5	Cam	Informative
7/30/2021 15:37:12	4mt18me009	Akash Shankar poojari	6ME1	75	3	3	2	2	1	3	Know about CIM	.
7/30/2021 15:37:43	4MT18ME011	Akshay A	6ME1	75	5	5	5	5	5	5	Designing	Bery informative
7/30/2021 15:38:12	4MT18ME060	Mohammed Azar	6ME2	75	5	5	5	5	5	5	Use of software in industries and what are the software are used in the industry	Feedback was helpful
7/30/2021 15:38:19	4MT18ME040	Hasheel Ismail	6ME2	100	4	5	2	2	2	5	It was the good informative session.cam e to know different software and tools that are used in toyata	It was good
7/30/2021 15:38:25	4MT18ME008	Akash S Adavibhavi	6ME1	75	4	5	2	2	2	5	All	Ntg
7/30/2021 15:38:40	4MT18ME033	Deekshith	6ME2	75	4	5	2	2	2	4	Skills and software being used in design field	Good
7/30/2021 15:38:58	4MT18ME024	ashwin	6ME1	100	4	5	4	4	4	4	This session is very good .Because they given some sort of information	Nice session

											about industries work and software	
7/30/2021 15:39:00	4mt17me106	Raihan K K	6ME1	50	3	4	3	4	4	2	About toyota industries engine india	It was all about toyota industry.but we have told that we'll get an Idea about computer aided manufacturing. Anyway ,it was helpful for building our career
7/30/2021 15:39:36	4MT18ME031	D P ANISH	6ME1	75	4	4	4	4	4	4	we got more information	nothing. it was good
7/30/2021 15:39:42	4MT18ME037	GIRISH	6ME2	100	5	5	5	5	5	5	Different software analysis	It was a good session
7/30/2021 15:39:52	4MT18ME072	Murugharaj Malagi	6ME1	75	5	5	2	2	2	5	CNC machines	It was very informative session
7/30/2021 15:39:55	4mt18me010	Akash shetty	6ME1	50	4	3	1	2	2	3	Software related to manufacturing	Gud
7/30/2021 15:40:35	4MT18ME041	Hrishikesh Raj	6ME2	75	4	4	3	2	2	4	Content	Nil
7/30/2021 15:40:55	4MT17ME025	Anurag e	6ME2	100	4	4	4	4	4	4	New knowledge	Good
7/30/2021 15:41:26	4MT17ME096	Radhvik Poonja	6ME2	75	4	5	5	5	5	5	The new knowledge has been acquired	It was overall good
7/30/2021 15:41:38	4MT18ME118	Rakshith Shetty	6ME2	50	5	3	3	4	4	4	engine knowledge	the event was very helpful i got a lot of ideas about the manufacturing of engines and the process done to do so
7/30/2021 15:42:00	4MT18ME122	Sidharth sekhar	6ME2	50	5	5	5	5	5	5	Were able to learn many things about toyota engines, iot etc	It was a nice event
7/30/2021 15:42:18	4MT18ME100	Rithvik S Shetty	6ME2	75	4	4	4	4	4	4	Computer aided manufacturing basics	Very informative session
7/30/2021 15:42:24	4MT18ME079	Nithesha Kumar	6ME1	75	5	5	5	5	5	5	Working of manufacturing plant	It is useful
7/30/2021 15:42:52	4mt17me155	V.kishan kumar	6ME1	50	3	3	2	2	2	3	Their r many a lot...very useful content	Good
7/30/2021 15:43:08	4MT18ME126	Sudhanshu	6ME2	50	5	5	5	5	5	5	The take away from	Very good.

											this event was how the manufacturing unit plans a product and how it utilizes the given material or a product to manufacture and the CNC machine usage and CAM softwares.	
7/30/2021 15:43:26	4mt18me058	Mithun Naik	6ME2	75	3	3	3	3	3	3	Software skills needed	Good session
7/30/2021 15:43:37	4MT18ME121	SIDHARTH K S	6ME2	50	5	5	5	5	5	5	was able to get more information	gained information
7/30/2021 15:44:00	4MT18ME132	sushanth nayak	6ME2	50	4	3	5	5	5	5	about software knowledge, future technology	good
7/30/2021 15:44:01	4MT18ME112	Shashank.S.K	6ME2	75	4	4	3	3	3	3	Information about cam	Good
7/30/2021 15:44:09	4MT18ME103	Ruthvik A Bangera	6ME2	75	5	5	5	5	5	5	CIM , Assembly, lot software	Overall good program. Helped a lot
7/30/2021 15:44:14	4MT18ME056	Megha B H	6ME2	75	5	5	4	4	4	5	Different software skills	It was very good and helpful session
7/30/2021 15:45:16	4MT18ME049	Kaushik M Hegde	6ME1	50	2	2	5	4	4	3	lots about Toyota industry and the procedure they follow	it was more about Toyota rather the the concept of CAM. most of the things explained were very technical because of which it was hard to understand
7/30/2021 15:45:24	4mt19me406	Mohammed gouse	6ME2	100	4	5	5	5	5	5	About company, cim, iot for machine, etc	Very good knowledge
7/30/2021 15:45:27	4MT18ME074	Nandan	6ME2	75	5	5	5	5	4	4	Knowledge about how IOT plays a role in manufacturing department and knowing what are the main softwares that TOYOTA use in its	It was very informative session and had a great time knowing about Toyota

											manufacturin g process	
7/30/2021 15:47:09	4MT19ME401	AtherHussain Ismail Upparkar	6ME1	75	4	4	4	5	5	4	Its was good	It was good
7/30/2021 15:49:14	4MT18ME016	Amin Manojkumar Sadashiva	6ME1	75	4	5	4	4	4	4	Working of the CNC and CIM in company , various knowledge about program and other software.	Nice session
7/30/2021 15:50:24	4MR18ME077	Niranjan Kamath	6ME1	75	5	5	5	5	5	5	Work atmosphere at industry. Technology utilisation.	It was a informative and useful session.
7/30/2021 15:51:27	4MT18ME078	Nithesh	6ME2	100	5	5	5	5	5	5	Got an idea about how Toyota production takes place their procedure and about the CIM technology	It was very good and a informative session
7/30/2021 15:51:41	4MT18ME003	Abhishek A Shetty	6ME1	100	4	5	4	4	4	4	What are the soft skills need to be learned..	It was a informative session
7/30/2021 15:52:21	4MT18ME130	Sumanth S Devadiga	6ME2	75	4	5	5	4	4	4	Industrial knowledge	Overall it was good session, got information about the softwares used
7/30/2021 15:52:44	4MT18ME082	PAVAN KUMAR.J	6ME1	75	3	4	4	4	4	4	I get to know about Industry Revolution and How engine Manufacturin g is takes place in TIE like analysis of problem in assembly, CIM in engine manufacturin g etc.	Nothing
7/30/2021 15:53:39	4MT18ME046	JOSWYN RAJAT MENEZES	6ME1	100	4	5	2	2	2	5	How the company using different process for manufacturin g a product	Very good session

7/30/2021 15:55:08	4MT18ME098	Revin Sonal	6ME2	100	4	3	5	3	5	4	Case studies and application of IOT in industry	It was good
7/30/2021 15:58:21	4MT18ME025	Bhaskara Gowda	6ME1	75	5	5	1	1	1	5	Nice	Very nice
7/30/2021 16:08:18	4MT18ME128	SUJITH	6ME2	75	2	3	1	2	2	3	+CAM	Good Session
7/30/2021 16:08:36	4MT18ME089	PRUTHVI	6ME1	75	4	4	4	4	4	4	How cam software work in industries and understand what are the types of work done in companies.	Good
7/30/2021 16:11:48	4MT18ME062	Mohammed Furqan	6ME1	75	5	4	5	5	5	5	Awariness about the industry, IoT, Technology Development	The session was good, very informative and helpful
7/30/2021 16:13:55	4MT18ME018	Anirudh V Puranik K	6ME1	75	4	4	5	4	5	4	lot implementation, inventory management, demand and supply	It was good webinar
7/30/2021 16:14:56	4MT18ME076	Navaneeth M Gowda	6ME2	50	4	4	2	2	2	3	About the sales	It was good
7/30/2021 16:24:16	4mt18me092	Rakesh R Kotian	6ME2	100	4	5	5	5	5	4	Information about iot	Good
7/30/2021 16:33:44	4MT19ME041	MOHAMMED SHAMSHEER	4ME	50	4	4	4	3	4	4	Session was good andd session was very helpful	I feel more similar session should be conducted
7/30/2021 16:37:17	4MT19ME021	Numaan Ahmed	4ME	50	4	4	4	4	4	4	Good knowledge.	No.
7/30/2021 16:47:35	mohanmoolya 1036@gmail.com	Mohan Chandra n moolya	4ME	75	4	4	4	3	4	4	Yes	No
7/30/2021 16:48:12	4MT18ME095	Ranjith k	6ME2	100	5	5	5	5	5	5	Take a information about toyota company	Nice session
7/30/2021 16:51:36	4MT18ME045	JITHESH	6ME1	75	4	4	4	4	4	4	CAMD Software, IoT software	Good session

*Ravane*

Head of the Dept. of Mechanical Engg.  
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**MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING**

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**STUDENT FEEDBACK ON  
CERTIFICATION PROGRAMME  
2019-2020**

## DESIGNTECH CAD ACADEMY

## FEEDBACK FORM

Date: 07/05/2019Student Name: Adarsh T. swa-thirajCollege Name: MITE MoodbidriCourse: NX-CAD

Kindly Tick (✓) on appropriate option:

A - VERY GOOD

B - GOOD

C - AVERAGE

D - POOR

Sr. No.	Particulars	Grade			
		A	B	C	D
1.	LECTURES & DISCUSSIONS WERE				
	Easy to understand		✓		
	Logically organized		✓		
	The materials distributed were helpful			✓	
	Do you think course fulfilled the industrial requirements				✓
	Practical Examples and Projects			✓	
2.	INSTRUCTORS PROFICIENCY				
	Presentation Skill			✓	
	Response to students queries & satisfaction level			✓	
	Over all instructions & guidance			✓	

3. What did you like most about this training?

Have more applications in industries

4. What other software's you would like to learn?

CATIA

5. Please share other comments or expand on previous responses here:


  
Student Signature

## DESIGNTECH CAD ACADEMY

## FEEDBACK FORM

Date: 7/5/19Student Name: DELSONCollege Name: MITE Moodbidri.Course: NX-CAD

Kindly Tick (✓) on appropriate option:

A - VERY GOOD

B - GOOD

C - AVERAGE

D - POOR

Sr. No.	Particulars	Grade			
		A	B	C	D
1.	LECTURES & DISCUSSIONS WERE				
	Easy to understand		✓		
	Logically organized			✓	
	The materials distributed were helpful			✓	
	Do you think course fulfilled the industrial requirements			✓	
	Practical Examples and Projects		✓		
2.	INSTRUCTORS PROFICIENCY				
	Presentation Skill		✓		
	Response to students queries & satisfaction level		✓		
	Over all instructions & guidance			✓	

3. What did you like most about this training?

Gives us the idea about how to design parts used in industries its a good software.

4. What other software's you would like to learn?

AutoCAD fusion 360, Autodesk inventory, MATLAB, ROBCAD, SOLIDEDGE.

5. Please share other comments or expand on previous responses here:

\_\_\_\_\_

\_\_\_\_\_

Delson  
Student Signature

# DESIGNTECH CAD ACADEMY

## FEEDBACK FORM

Date: 7 / 5 / 19

Student Name: Ashish P. Kohion

College Name: MITE Moodbidri

Course: NX-CAD

Kindly Tick (✓) on appropriate option:

A - VERY GOOD

B - GOOD

C - AVERAGE

D - POOR

Sr. No.	Particulars	Grade			
		A	B	C	D
1.	LECTURES & DISCUSSIONS WERE				
	Easy to understand		✓		
	Logically organized		✓		
	The materials distributed were helpful		✓		
	Do you think course fulfilled the industrial requirements	✓			
	Practical Examples and Projects			✓	
2.	INSTRUCTORS PROFICIENCY				
	Presentation Skill	✓			
	Response to students queries & satisfaction level	✓			
	Over all instructions & guidance	✓			

3. What did you like most about this training?

learned a new software about designing various components.

4. What other software's you would like to learn?

CAAD, Auto desk

5. Please share other comments or expand on previous responses here:

Ashish  
Student Signature

# DESIGNTECH CAD ACADEMY

## FEEDBACK FORM

Date: 17 / 11 / 2017

Student Name: Abdul Hameed Khan

College Name: MITE Moodbidri

Course: NX-CAM/ROBCAD BASICS

Kindly Tick (✓) on appropriate option:

A - VERY GOOD

B - GOOD

C - AVERAGE

D - POOR

Sr. No.	Particulars	Grade			
		A	B	C	D
1.	LECTURES & DISCUSSIONS WERE				
	Easy to understand		✓		
	Logically organized		✓		
	The materials distributed were helpful		✓		
	Do you think course fulfilled the industrial requirements		✓		
	Practical Examples and Projects		✓		
2.	INSTRUCTORS PROFICIENCY				
	Presentation Skill		✓		
	Response to students queries & satisfaction level		✓		
	Over all instructions & guidance		✓		

3. What did you like most about this training?

The software is easy to understand and use.

4. What other software's you would like to learn?

I would like to learn a software which is specially based on aircraft design & Fibersim.

5. Please share other comments or expand on previous responses here:

No comments.

  
Student Signature

# DESIGNTECH CAD ACADEMY

## FEEDBACK FORM

Date: 17 / 11 / 2017

Student Name: Abhishek. Laxman Nayari

College Name: MITE Moodbidri.

Course: NX-CAM/ROBCAD BASICS

Kindly Tick (✓) on appropriate option:

A - VERY GOOD

B - GOOD

C - AVERAGE

D - POOR

Sr. No.	Particulars	Grade			
		A	B	C	D
1	LECTURES & DISCUSSIONS WERE				
	Easy to understand	✓			
	Logically organized	✓			
	The materials distributed were helpful	✓			
	Do you think course fulfilled the industrial requirements		✓		
	Practical Examples and Projects	✓			
2	INSTRUCTORS PROFICIENCY				
	Presentation Skill		✓		
	Response to students queries & satisfaction level	✓			
	Over all instructions & guidance	✓			

3. What did you like most about this training?

software is easy to understand

4. What other software's you would like to learn?

I would like to learn Fiber Sim Software for my update

5. Please share other comments or expand on previous responses here:

no comments

*(Signature)*

Student Signature

## DESIGNTECH CAD ACADEMY

### FEEDBACK FORM

Date: 17/11/2017

Student Name: ADITHYA R

College Name: MITE Moodbidri.

Course: ~~ME CAD~~ / ROBCAD BASICS

Kindly Tick (✓) on appropriate option:

A - VERY GOOD

B - GOOD

C - AVERAGE

D - POOR

Sr. No.	Particulars	Grade			
		A	B	C	D
1.	LECTURES & DISCUSSIONS WERE				
	Easy to understand		✓		
	Logically organized			✓	
	The materials distributed were helpful		✓		
	Do you think course fulfilled the industrial requirements		✓		
	Practical Examples and Projects		✓		
2.	INSTRUCTORS PROFICIENCY				
	Presentation Skill			✓	
	Response to students queries & satisfaction level		✓		
	Over all instructions & guidance		✓		

3. What did you like most about this training?

Since it is related to robotics, it was really interesting

4. What other software's you would like to learn?

Fiber sim

5. Please share other comments or expand on previous responses here:

  
Student Signature



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# **PLACEMENT STATISTICS**

## **2015-2020**



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### List of Students Placed in Company

Academic Year	No of Students Placed	Link For Detailed Placement Statistics
2019-20	410	<a href="#">Click Here</a>
2018-19	422	<a href="#">Click Here</a>
2017-18	445	<a href="#">Click Here</a>
2016-17	410	<a href="#">Click Here</a>
2015-16	357	<a href="#">Click Here</a>



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**LIST OF STUDENT'S WINNING AWARD  
IN TECHNICAL COMPETITIONS  
2015-2020**

## **LIST OF STUDENT AWARDS ACHIEVED IN TECHNICAL COMPETITION**

Academic Year	Additional Link
2019-20	<a href="#">Link For Detailed Info</a>
2018-19	<a href="#">Link For Detailed Info</a>
2017-18	<a href="#">Link For Detailed Info</a>
2016-17	<a href="#">Link For Detailed Info</a>
2015-16	<a href="#">Link for Detailed Info</a>



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**LIST OF STUDENT'S IDEA INCUBATED  
AT MITE  
2015-2020**

## **LIST OF STUDENT'S IDEA INCUBATED AT MITE**

Name	Additional Link
<b>Ideas Incubated</b>	<a href="#"><u>CLICK HERE</u></a>
<b>Grants for Incubation</b>	<a href="#"><u>CLICK HERE</u></a>
<b>Activities Report of 2019-20</b>	<a href="#"><u>CLICK HERE</u></a>
<b>Activities Report of 2018-19</b>	<a href="#"><u>CLICK HERE</u></a>
<b>Activities Report of 2017-18</b>	<a href="#"><u>CLICK HERE</u></a>
<b>Entrepreneurs from MITE</b>	<a href="#"><u>CLICK HERE</u></a>

***To have a look at the Incubation Center – [Click here](#)***

Grants received from Government and non-governmental agencies for research projects, endowments in the institution during the last five years						
SI No	Name of the Project/ Endowments, Chairs	Name of the Funding Agency	Department of Principal Investigator	Year of Award	Amount Sanctioned in Lakhs	Total INR in Lakhs
<b>KTECH</b>						
1	Instant NPK Analyser	Karnataka Innovation and Technology and Society(KTECH)	Chemistry	2019-20	2.45	<b>48.802</b>
2	Areca Sprayer		Computer Science & Engineering		2.33	
3	Godsend: A helping hand at times you need		Computer Science & Engineering		2.55	
4	The Food Ambulance		Computer Science & Engineering		2.657	
5	Agua- Smart bottle		Electronics & Communication Engineering		2.46	
6	Medical Emergency Drone		Mechanical Engineering		2.59	
7	Polarised wind shield glass for vehicles		Mechanical Engineering		2.69	
8	Airit		Mechanical Engineering		2.72	
9	Dehusking & segregation of Arecanuts		Mechatronics Engineering		2.682	
10	TouchReno: Home Renovation App		Computer Science & Engineering		2.398	
11	Quadcopter in Agriculture		Computer Science & Engineering	2018-19	2.74	
12	Lifeline: Portable Device that Detects Various Health Problems		Computer Science & Engineering		2.12	
13	Agrobox		Computer Science & Engineering		2.85	
14	Walktron: Piezo-Electric Shoe		Electronics & Communication Engineering		2.75	
15	Kitchen Yantra: SCHSA System		Electronics & Communication Engineering		2.35	
16	Rakshak: Smart Safety Locket		Electronics & Communication Engineering		1.95	
17	Home Chef		Information Science & Engineering		1.565	
18	Vajra Technomobiles		Mechanical Engineering		2.95	
19	Agrobased Automatic Neera Tapping machine		Mechanical Engineering		1.85	
20	AreKlimber		Mechatronics Engineering		2.15	