

Criteria 6.2.1:

The institutional Strategic / Perspective plan is effectively deployed.

One of the strategic plan of having MoUs with industry to set up a center of excellence in the campus to bridge the gap between industry and academia is shown below in detail.

Criteria 6.2.1: The institutional Strategic / Perspective plan is effectively deployed.

Additional Information

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Criteria 6.2.1: The institutional Strategic / Perspective plan is effectively deployed.

1. LIST OF MEMORANDUM OF UNDERSTANDING (MoUs)

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Memorandum of Understanding (MOU)

Between

Mangalore Institute of Technology and Engineering, Moodbidri Mangalore

And

Bosch Rexroth India Ltd

Mangalore Institute of Technology and Engineering having their registered office at "Mijar, Moodbidri, Mangalore, 574225", and

Bosch Rexroth India Ltd (BRIN) having their registered office at "Near Vatva Railway station Vatva.Ahmedabad-384225 Gujarat"

Wish to enter into Memorandum of Understanding (MOU) in presence of DTE, Karnataka, for establishing,

"Regional centre of Competency in Automation Technologies"
at the campus of **Mangalore Institute of Technology and Engineering , Mangalore (MITE).**

The concept of "Regional centre of competency for Automation technologies will be as follows,

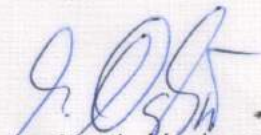
1. The proposed Regional centre will be established as per the Bosch Rexroth (BR) Didactic concept, in technical and financial participation by Bosch Rexroth, covering the region of South Canara and Udupi District as detailed in the confirmation letter sent. The primary objective is to bridge the technological gap and focus on the rural/coastal segment students.
2. Bosch Rexroth didactic concept is the efficient combination of Hardware, Teach wares and Course wares offered by BR for industry oriented training in the field of Automation Technology. This includes Hydraulics, Pneumatics, Mechatronics, electric Drives and controls.
3. MITE, with assistance of BRIN will establish and maintain the Regional centre, for conducting training courses, according to BR Didactic concept.

4. Bosch Rexroth shall provide know how, technology support, supply didactic kits for different technologies with licensed copies of teach wares and course wares, train the faculty as Train the trainer (TTT) in our training centre in India and other locations as necessary, provide training methodologies in line with Didactic concept. The scheme is detailed in the Annexure 2
5. The Regional centre will impart training to undergraduate, post graduate , Polytechnic, vocational schools students to meet industry requirements, bridging the industry academic gap and enhancing the competency levels of student's better employability. The centre will also train faculty members of all near by engineering colleges in Region. The centre will also provide industrial training to near by industry personnel. Successful students will be awarded a joint certificate of Bosch Rexroth and the Regional centre.
6. For efficient running of the centre and to cover the recurring cost it is recommended to charge nominal fees for the courses and create a business model, BR will provide assistance in creating the model and training in the region approached by the near by industries.
7. Bosch Rexroth will have this agreement and the collaboration valid for the next 2 years from the date of signing of the MoU. The equipments supplied will have a warranty of 2 years.
8. The Next steps are detailed as below.
 - BRIN has submitted a detailed offer to Centre as per annexure 1.
 - Centre will issue formal PO with a confirmatory advance of 20% for the project execution by end April/Start of May 2010. The payment and supply conditions are as per the offer already sent.
 - Each centre will nominate 8 members 4 from Mechanical/automobile/Industrial production, 2 from Electronics and 2 Instrumentation area for the faculty training in the Bosch Rexroth Centers.
 - Train the trainer for 1 member per region at Germany.
 - Designing layout for the centre and providing utilities for the centre
 - Supply of equipment installation and commissioning
 - Designing courses for students to meet curriculum requirements
 - Organizing training for students through trained faculty

9. Target date for completion will be mid may 2010.

10. BRIN will be provided access to the centre for conducting training program to their customers in the centre. The revenue generated would be with the centre and will be utilized for the upgradation.

For Bosch Rexroth India Ltd



Mr. Martin Voglsanger
Managing Director

For Mangalore institute of Engg and
Technology



Rajesh Chowta
President



Left to Right: **Mr. Martin Voglsanger, Managing Director, Bosch Rexroth, Mr. Rajesh Chouta, Chairman RET.**

Renewal of Memorandum of Understanding (MOU) Of Campus Connect Program

Infosys and Mangalore Institute of Technology & Engineering had entered into a Memorandum of Understanding (MOU) on 20-May-11 with respect to enriching the technical education process and to jointly work for enhancing the quality of education imparted to students, faculty and management of selected colleges of the University related to the field of Information Technology (IT). This MoU was subsequently renewed on 19-May-13, 18-May-15, 17-May-17&16-May-19. The term of MOU is expired on 15-May-21. The parties wish to extend this MOU for further period of Two (2) Years, and therefore agree the term of **the MOU till 14-May-23.**

The Campus Connect MoU has undergone some modifications. The modified version is given along with this. The terms and conditions of the partnership are detailed out in the MoU.

Date:

Date: 25-03-2021

Place: Bangalore

Place: Moodabidri

Name: Sundar K S

Name: Dr. G L Easwara Prasad

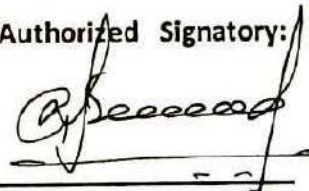
Designation: Associate Vice President & Head, Campus Connect

Designation: Principal

Education, Training & Assessment Dept., Infosys Ltd.

Signature:

Authorized Signatory:



Infosys Limited

Institute Name: Mangalore Institute of Technology and Engineering

Electronic City, Hosur Road,

Bangalore - 560100

Principal
Institute Seal: Mangalore Institute of Technology & Engineering
Badaga Mijar, MOODBIDRI - 574 225

SPoC, Campus Connect Core Team Role/Selection Guidelines

Based on our experience with our Campus Connect partner colleges, please find a set of guidelines for identifying the Single Point of Contact (SPoC) and for forming the Core Team in your college. This will help in forming a team at your college that will drive the Campus Connect program successfully.

Single Point of Contact (SPoC)

Role

- Interfaces with the college core-team, college management and administration to run the program efficiently
- Sends/Receives updates on different activities under Campus Connect regularly
- Prepares and executes the action plan along with the core team
- Reviews the progress of the program with core-team and Infosys periodically
- Bottom-line responsibility

Broad Selection Guidelines

- Training Officer/Head of Department of IT, Comp. Sci. or related departments
- 5+ Years of teaching experience in the college
- Passion to take the program forward in the college

Campus Connect Core Team

Role

- Updates the College Mgmt. on the activities happening under Campus Connect
- Plans and executes the Foundation Program Rollout in the college

Broad Selection Guidelines

- 3-5 Members
- Senior faculty from IT/Comp. Sci. or related departments
- Able to take decisions and show value to the college

Memorandum of Understanding

This Memorandum of Understanding ("MOU") is between Infosys Ltd, a company incorporated under the laws of India with its registered office at Electronics City, Hosur Road, Bangalore – 560 100, India (hereafter referred to as "Infosys"); and Mangalore Institute of Technology & Engineering a university / engineering college committed to educational excellence having its office Badag Mijar; Near Moodbidri, Mangalore TQ: DK Dist: 574 225. (Hereafter referred to as "Partner").

RECITALS:

- A. WHEREAS Partner has been established for the purpose of enriching the technical education process and to jointly work for enhancing the quality of education imparted to students of all the engineering disciplines in the field of Information Technology (IT).
- B. AND WHEREAS Infosys wishes to collaborate with the Partner for the purpose of enriching the technical education in new subject areas, learning-teaching process and to jointly work for enhancing the quality of education imparted to students of all the Information Technology ("IT") disciplines.
- C. AND WHEREAS Partner with assistance from Infosys has goals for enhancing the quality of the technical education for students thereby enabling them to meet the industry needs and to be recognized globally.

NOW THEREFORE THE PARTIES HEREBY ACKNOWLEDGE AND AGREE AS FOLLOWS:

1. This MOU is for collaboration between both parties, for mutual benefit, to enhance the quality of the educational experience of students of the Partner and for the specific purposes detailed in Annexure I of this MOU
2. Infosys shall be responsible for providing the requisite course material, publicity material such as handouts, information brochures and posters and conducting faculty enablement programmes as agreed between the parties.
3. The Partner shall be responsible for providing the requisite infrastructure, network and internet access and any other facility required for the education and training.
4. It is agreed that the terms and conditions of any agreed cooperative project (s) as outlined in Annexure 1 of this MOU shall be the subject matter of separate definitive agreements to be negotiated and agreed upon by the Parties and/or any third parties, wherever applicable, provided always the decision whether to initiate and/or implement any proposed cooperative projects shall be subject to the availability of funds and human resources on the part of each Party.
5. The parties, their representatives, and/or assignees, following the execution of this MOU, desire to maintain close contacts with each other to achieve the goals and objectives of, and to develop the ideas acknowledged in this MOU.
6. Both parties hereby agree to designate a representative from its side who will be the primary point of contact on behalf of that party.
7. Any expenses incurred by the parties for the purpose of this MOU shall be agreed upon and shall be borne as per the mutual agreement.
8. Notwithstanding any other provision of this MOU, neither party shall have any right to use any trademarks or trade name of the other party, nor to refer to this MOU or the obligations performed hereunder directly or indirectly, in connection with any product, promotion, or publication without the prior written approval of the other party
9. All information which has been disclosed to or obtained by either party at any time during the implementation of this MOU, is confidential information. For this purpose, the parties agree to sign the binding non-disclosure agreement in Annexure II.

10. The terms and conditions mentioned herein shall commence on the execution of this MOU and shall continue for a period of two (2) years from the date thereof or for such period as may be determined or extended by the parties from time to time by written notice, unless terminated by either party in accordance with this MOU. Either party may terminate this MOU at any time by providing three (3) months written notice to the other party.
11. Any notice required to be given hereunder shall be in writing and shall be deemed to be sufficiently served on the party if sent by hand or by registered post to the addresses of the party as stated in this MOU. Notices shall be deemed received: -
 - (i) If sent by registered mail, three (3) days after posting.
 - (ii) If by hand, on the day of delivery; and
 - (iii) If sent by telex or facsimile to the correct number or designated address within seventy-two (72) working hours.
12. Both parties agree to take all reasonable steps to ensure the successful completion of the collaboration and co-operate with each other in duly carrying out the obligation agreed upon.
13. The expiration and termination of this MOU will not affect the terms of those activities, which are in progress at the time of notification of expiry or termination of the MOU.
14. On the termination or expiry of this MOU or when requested by Infosys, the Partner undertakes to return all materials to Infosys without any delay.
15. Each party shall ensure that they do not actively solicit the faculty of the other party who is involved in the implementation of this MOU during the period of such faculty's involvement with the program and for six (6) months thereafter.
16. Both the parties agree that Infosys is not obliged on account of this MOU to recruit any fixed number of students from the Partner.
17. This MOU is an indication of good faith and intent on the part of both parties and does not create any legal obligations between them. In the event of any differences or disputes arising from the implementation of the provisions of this MOU, the parties shall as far as possibly settle such differences or disputes in good faith by consultation or negotiation between the parties.

ANNEXURE I

PURPOSE / SCOPE OF THE COLLABORATION:

Infosys shall facilitate and share inputs with University / College for imparting technical and soft skills training to the students. The content of the training programs and the Faculty Enablement will be done by Infosys. The details shown in Annexure I are only indicative guidelines, and Infosys may change the following at short notice at its discretion.

There will not be any cash incentive for the faculty members involved in the training programs (Technical / Soft Skills) at the institution. However, value-added offerings will be there to motivate the faculty members.

Student / Education

1. Create a project bank for final year students
2. Publish Infosys courseware On the Web and provide access
3. Conducting special lectures for students at campuses
4. Participate in Conferences at the national/international level in the college / Seminars/ Contests
5. Increase employability by providing technical and soft skills training
6. Encouraging the students to visit Infosys Campuses

Faculty

1. Sharing Industry oriented-courseware and Technology
2. Faculty Enablement Program
3. Sabbaticals at Infosys
4. Interaction with subject matter experts

University / College

1. Share best-in-class standards (a) College-college (b) Industry-college
2. Books / CDs / DVDs etc. for the library
3. Strengthen relationship with Universities / Colleges
4. Work with education bodies / universities to align the industry requirements into the college curriculum

ANNEXURE II

MUTUAL NON-DISCLOSURE AND CONFIDENTIALITY AGREEMENT

This is an agreement ("Agreement" hereafter) between:

- **INFOSYS LIMITED**, with its registered office at Electronics City, Hosur Road, Bangalore 560 100 ("Infosys") including its successors; and **Mangalore Institute of Technology & Engineering** operating out **Badag Mijar; Near Moodbidri, Mangalore TQ: DK Dist: 574 225.** ("Partner") including the Partner's employees, affiliates, and successors at the time of the entering the agreement and during the tenure of the engagement, that is effective **May 15th 2021.**

The parties possesses competitively valuable Confidential Information (as hereinafter defined) regarding their past, current and future services and products, research and development, customers, business plans, software, listings, holdings, alliances, investments, transactions, intellectual property and rights associated thereto and general business operations. The parties wish to enter a mutually beneficial relationship, and as such, wish to share their Confidential Information with the other party, including its authorized employees and agents. For the purposes of this Agreement, the party that discloses Confidential Information to the other party shall be referred to as the "Disclosing Party", and the party that receives such Confidential Information from the other party shall be referred to as the "Recipient".

The Recipient may be given access to the Disclosing Party's Confidential Information or to create new Confidential Information for the Disclosing Party.

In view of the above, the parties agree as follows:

1. Confidential Information

"Confidential Information" includes any information:

- specifically indicated by the Disclosing Party, either verbally or in writing, as confidential.
- under the circumstances of the disclosure, that are to be treated as confidential; or
- the Recipient creates or produces while performing its obligations under this Agreement, regardless of the media that contains the information.

Confidential Information does not include information, which:

- is generally available to the public at the time of its disclosure to the Recipient.
- becomes known to the public through no fault/action of the Recipient in violation of the terms herein.
- is legally known to the Recipient at the time of disclosure by the Disclosing Party.
- is furnished by the Disclosing Party to third parties without restriction; or
- is furnished to the Recipient by a third party who to the Recipient's knowledge legally obtained said information and the right to its disclosure.
- is developed independently by Recipient without use of or reference to the Disclosing Party's information.

2. Restrictions on Use

- (a) The Recipient will not disclose any Confidential Information to third parties for any purpose without the prior written consent of the Disclosing Party. However, where the Recipient is required to disclose Confidential Information in accordance with judicial or other governmental action, the Recipient will give the Disclosing Party reasonable prior notice unless such notice is prohibited by applicable law.
- (b) The Recipient will not use any Confidential Information for any purposes except those expressly contemplated or authorized by the Disclosing Party.
- (c) The Recipient will take the same reasonable security precautions as it takes to safeguard its own confidential information, but in no case less than reasonable care.
- (d) The Recipient undertakes to impose the confidentiality obligations on all directors, officers and employees or other persons who work for the Recipient or under its direction and control, and who will have access to the Confidential Information.
- (e) The Recipient will return all originals, copies, reproductions, and summaries of Confidential Information in its control, or confirm its destruction as requested by the Disclosing Party.

3. Action on Breach

- (a) The Recipient will notify the Disclosing Party immediately upon discovery of any breach of this Agreement by the Recipient and will cooperate in every reasonable way to help the Disclosing Party regain possession of the Confidential Information and prevent further breach.
- (b) The Disclosing Party will be entitled, without waiving any other rights or remedies, to seek such injunctive or equitable relief as may be deemed proper by a court of competent jurisdiction.

4. Ownership and Warranties

- (a) All Confidential Information, including the inherent intellectual properties, remains the sole and exclusive property of the Disclosing Party and the Recipient shall not right, title or interest in the same. Similarly, the Disclosing Party does not own any of the intellectual property of the Recipient, including any proprietary methodologies, tools, or practices, unless otherwise agreed.
- (b) The Disclosing Party, unless expressly confirmed, makes no warranty regarding the accuracy or reliability of Confidential Information.

5. Applicability of Provisions

- (a) The provisions of this Agreement are jointly and severally applicable and will not be considered waived by any act or acquiescence, except by a specific prior written confirmation. Accordingly, both parties will expressly agree in writing to any changes in the Agreement.
- (b) If any provision of this Agreement is held illegal, invalid, or unenforceable by law, the remaining provisions will remain in effect. Moreover, should any of the obligations of this Agreement be found illegal or unenforceable for any reasons, such obligations will be deemed to be reduced to the maximum duration, scope or subject matter allowed by law.
- (c) If any action at law or in equity is necessary to enforce or interpret the rights arising out of or relating to this Agreement, the prevailing party shall be entitled to recover reasonable attorney's fees, costs and necessary disbursements in addition to any other relief to which it may be entitled.

6. Jurisdiction

This Agreement will be governed by the laws of India on all substantive aspects, and both parties' consent to the jurisdiction of the courts in Bangalore.

7. Tenure and Survival

All obligations created by this Agreement shall survive change or termination of the parties' business relationship for a period of two years from the date of the disclosure of the Confidential Information or the change in/termination of the business relationship of the parties whichever is later.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement by their duly authorized representatives as of the date first set forth above.

Infosys Limited

By: _____

Name: **Sundar K S**

Title: Associate Vice President & Head-
Campus connect Education Training & Assessment
Infosys Ltd.

Date: _____

Seal:

**M/s Mangalore Institute of Technology
& Engineering**

Name: **Dr. G L Easwara Prasad**

Title: **Principal**

Date: **25-03-2021**

Sign: _____

Seal: **Principal**
Mangalore Institute of Technology & Engineering
Badaga Mijar, MOODBIDRI - 574 225

Date: 17-May-2017

From:
Satheesha B.Nanjappa,
Vice President, Education and Research Dept.,
Infosys Limited
No 350, Hebbal Electronics City
Hootagalli, Mysore-570018

Sub: Renewal of Campus Connect Program MoU

Dear Sir,

We are pleased to inform you that your esteemed institution has met or exceeded the expectations in the Campus Connect Program partnership. In this regard, we are pleased to extend the Campus Connect Program MOU for a further period of 2 years.

Please find enclosed the Renewal of Memorandum of Understanding (RMOU) of Campus Connect Program between Infosys Limited and **Mangalore Institute of Technology & Engineering.**

With regards,



Satheesha B.Nanjappa,
Vice President, Education and Research Dept.,
Infosys Limited
Mysore-570018



MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

(An ISO 9001: 2008 Certified Institution)

(A unit of Rajalaxmi Education Trust)

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

Infosys®

Campus Connect

Renewal of Memorandum of Understanding (MOU)

Of Campus Connect Program

Infosys and Mangalore Institute of Technology & Engineering had entered into a Memorandum of Understanding (MOU) on 20-May-11 with respect to enriching the technical education process and to jointly work for enhancing the quality of education imparted to students, faculty and management of selected colleges of the University related to the field of Information Technology (IT). This MoU was subsequently renewed on 19-May-13 & 18-May-15. The term of MOU will be expiring on 17-May-17. The parties wish to extend this MOU for further period of Two (2) Years, and therefore agree the term of the MOU till 16-May-2019.

The Campus Connect MoU has undergone some modifications. The modified version is given along with this. The terms and conditions of the partnership are detailed out in the MoU.

Date: 13.03.2017

Date: 13.03.2017

Place: Bangalore

Place: Moodabidri

Name: Satheesha B. Nanjappa

Name: Dr. G.L Easwara Prasad

Designation: Vice President & Head, Campus Connect

Designation: Principal, MITE, Moodabidri

Education, Training & Assessment Dept., Infosys Ltd.

Signature:

Infosys Limited

Electronic City, Hosur Road,

Bangalore - 560100

Authorized Signatory:

MITE, Moodabidri

Institute Seal:

Principal
Mangalore Institute of Technology & Engineering
Moodabidri - 574 225

VICE PRESIDENT
INFOSYS LIMITED
Education, Training & Assessment
44, Electronics City, Hosur Road
BANGALORE - 560 100 INDIA

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



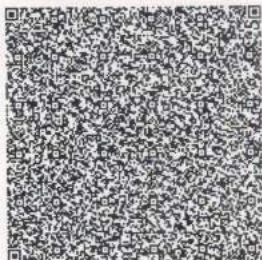


सत्यमेव जयते

INDIA NON JUDICIAL Government of Karnataka

e-Stamp

Certificate No.	: IN-KA42432496557023M
Certificate Issued Date	: 19-Mar-2014 03:20 PM
Account Reference	: NONACC (FI)/ kacrsf08/ MANGALORE/ KA-DK
Unique Doc. Reference	: SUBIN-KAKACRSFL0841130311675542M
Purchased by	: MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING
Description of Document	: Article 12 Bond
Description	: MEMORANDUM OF UNDERSTANDING
Consideration Price (Rs.)	: 0 (Zero)
First Party	: MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING
Second Party	: SIEMENS
Stamp Duty Paid By	: MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)



Memorandum of Understanding

This MEMORANDUM OF UNDERSTANDING ("MOU") is entered into this day 20th March, 2014 ("Effective Date") BETWEEN

Mangalore Institute of Technology & Engineering, an academic institute located at Moodabidre, Mangalore, Karnataka, established under Universities Act of India (hereinafter referred to as **Institute**);

AND

SIEMENS INDUSTRY SOFTWARE INDIA PRIVATE LIMITED, a company incorporated under the Indian Companies Act, 1956 having its corporate office at Tower D, 16th Floor, Global Business Park, Mehrauli-Gurgaon Road, Gurgaon-122002, India (hereinafter referred to as "**SISW**").

Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at "www.shcilestamp.com". Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

WHEREAS:

- A. Institute is a leading technical university providing undergraduate and postgraduate education in a variety of engineering disciplines;
- B. SISW is a leader in the segment of CAD, CAM, CAE and PLM software products. SISW has academic versions of the hereinabove mentioned softwares (hereinafter "PLM Software");
- C. Institute desires to set up a laboratory at its campus located in the city of Moodabidre, Mangalore to educate students on Siemens industry software applications and Product Lifecycle Management (PLM) software which is widely used in the industry;
- D. Institute agrees to buy the PLM Software licenses for academic purposes from SISW and/or through its channel sales partner to educate students in the Institute; and
- E. The parties agree to enter into this MOU on the terms and conditions set hereinbelow.

NOW, THE PARTIES HEREBY AGREE AS FOLLOWS:

1. TERM

The MOU shall commence on the Effective Date or from the date the MOU is signed by all the parties, whichever is later.

2. ROLE OF SISW

- i. To promote education, SISW shall sell PLM Software licenses to the Institute under the Go PLM program. The PLM Software academic license bundles shall contain all modules required for education purposes.
- ii. SISW shall endeavour to facilitate Institute in designing the content on PLM Software for the students enrolled with management course of Institute as per the industry standards.
- iii. SISW shall endeavour to provide required training on PLM Software academic modules to Institute either directly or through its authorized training partner in the region.
- iv. SISW shall endeavour to provide all required assistance through its authorized channel sales partner with respect to installation, maintenance and up-gradation of PLM Software licenses.
- v. SISW shall endeavour to organize guest lectures and seminars on PLM Software at Institute by industry experts for sharing of knowledge.
- vi. SISW shall endeavour to circulate information on its products, latest releases, maintenance packs, case studies etc. to improve the product awareness at Institute.

- vii. SISW shall endeavour to effectuate product improvement on the basis of suggestions that may be provided by Institute from time-to-time.

3. RESPONSIBILITY OF INSTITUTE

- i. Institute shall buy PLM Software licenses for academic use only through SISW's channel partner at the rates as agreed in Commercial Proposal document as specified in Annexure "A".
- ii. Institute shall sign Go-PLM Grant application and Software License and Services Agreement ("SLSA") of SISW. The PLM Software shall be used exclusively for academic purposes in accordance with the terms specified in the SLSA.
- iii. Institute agrees to arrange hardware with required configuration to use the PLM Software in its laboratory.
- iv. Institute agrees to keep the PLM Software licenses reasonably up-to-date to ensure that students are familiar with latest technologies and shall buy PLM Software maintenance from time-to-time.
- v. Institute agrees to have the faculty in the laboratory trained and certified by SISW and/or SISW's authorized training partner to ensure that students get training as per prevailing industry standards.
- vi. Institute agrees to follow SISW's training methodology while imparting training to students on PLM Software.
- vii. Institute agrees to provide inputs to SISW on improving PLM Software from time-to-time.

4. COMPLIANCE WITH LAWS

Each party hereto agrees that it shall comply with all applicable local laws, ordinances and codes in performing its obligations hereunder, including the procurement of licenses, permits, certificates and any other requirements with regard to the MOU. If at any time during the term of this MOU, a party is informed or information comes to its attention that it is or may be in violation of any law, ordinance, regulation, or code (or if it is so decreed or adjudged by any court, tribunal or other authority having competent jurisdiction), that party shall immediately take all appropriate steps to remedy such violation and comply with such law, regulation, ordinance or code in all respects. Further, each party shall establish and maintain all proper records (particularly, but without limitation, accounting records) required by any law, code of practice or corporate policy applicable to it from time to time.

5. CONFIDENTIALITY

The parties recognize that in the course of providing the PLM Software and performing the services pursuant to this MOU, both parties may have access to confidential information and trade secrets belonging to the other and each desire that such confidential information and trade secrets remain confidential. Each party agrees that all confidential information and trade secrets communicated to one party by the other in any manner (the "Confidential Information"), will be used by the recipient party only for the purposes allowed by this MOU. The other party's Confidential Information will not be disclosed

by the recipient party, other than to its employees and, in the case of SISW, to its consultants, agents, and contractors, without the prior written consent of the other party. Each party will advise its employees and, in the case of SISW, its consultants, agents, and contractors, who receive any of the other party's Confidential Information of its confidential nature. The confidentiality provisions of this Section will not apply to any Confidential Information that (i) was or becomes generally available to the public other than as a result of disclosure by the recipient party in violation of this MOU; (ii) becomes available to the recipient party from a source other than the other party, provided that the recipient party has no reason to believe that such source is itself bound by a confidentiality or nondisclosure agreement with the other party or otherwise prohibited from disclosing such Confidential Information by a legal, contractual or fiduciary obligation; (iii) was in the recipient party's possession prior to receipt from the other party; (iv) is independently developed by the recipient party without the use of the other party's Confidential Information; or (v) is required to be disclosed by the recipient party by a governmental agency or law, so long as the recipient party provides the other party with written notice of the required disclosure promptly upon receipt of notice of the required disclosure. Upon any actual or threatened violation of this Section by either party, the other party will have the right, in addition to such other remedies which may be available to it, to seek injunctive relief enjoining such acts or attempts, it being acknowledged and agreed that monetary damages are inadequate to protect the other party.

This Section will survive the expiration or termination of this MOU for any reason.

6. LIMITATION OF LIABILITY

In no event will the measure of damages payable by SISW include, nor will SISW be liable for, any amounts for loss of income, profit or savings or indirect, incidental, consequential, exemplary, punitive or special damages of any party, including third parties, even if SISW has been advised of the possibility of such damages in advance, and all such damages are expressly disclaimed.

7. FORCE MAJEURE

Either party will not be liable to the other party for any delay or failure to fulfill its obligations in connection with the MOU where any such delay or failure is caused in whole or in part by any act, or failure arises from causes beyond the party's control, including, without limitation, fire, floods, acts of God, acts or regulations of any governmental authority, war, riots, strikes or labour shortages.

The parties shall use all reasonable endeavors to minimize any such delay caused due to Force Majeure event and provide written notice to the affected party. Upon cessation of the event, giving rise to delay, the other party shall insofar, as may be practicable under the circumstances, complete performance of their obligations hereunder.

8. NOTICES

All notices, requests, demands and other communications under this MOU or in connection herewith shall be written in English and shall be delivered in person, or sent by courier or by certified or registered mail, postage prepaid or transmitted by facsimile.

If to Institute

Rajalaxmi Education Trust, 1st Floor, Souza Archade,
Mangalore, Dk District, Karnataka - 575001

If to SISW

Tower D, 16th Floor, Global Business Park,
MG Road, Gurgaon 122002, Haryana, India

9. TERMINATION

- (i) Either party shall have a right, and in addition to any other remedies to which it may be entitled, to terminate this MOU, upon written notice to other party if any of the following events occur:
 - (a) If a party breaches any of the provisions of this MOU and fails to cure such breach within thirty (30) days of receipt of written notice of such breach from the other party;
 - (b) Any substantial change in ownership, or control of a party, any merger or consolidation, or any engagement by a party of any interest in any company, firm or organization, which other party reasonably believes could have an adverse effect upon the overall relationship.
- (ii) SISW will have the right to immediately terminate this MOU, if SISW, in its reasonable judgment believes that Institute has breached its obligations with respect to any PLM Software license provided under this MOU. In such a case SISW reserves a right to initiate necessary action in accordance with the terms of the SLSA.

10. CORPORATE AUTHORITY

Each party represents it has taken all necessary corporate action to authorize the execution and consummation of this MOU and will furnish the other party with satisfactory evidence of same upon request. Each party agrees to negotiate in good faith the execution of such other documents or agreements as may be necessary or desirable for the implementation of this MOU and the effective execution of the transactions contemplated hereby, and shall continue to do so during the term of this MOU.

11. DISPUTE RESOLUTION

In the event of any dispute or disagreement between the parties hereto either with respect to the interpretation of any provision of this MOU or with respect to the performance by either party of its duties hereunder, each of the parties shall appoint a designated officer to meet for the purpose of endeavoring to resolve such dispute or to negotiate for an adjustment to such provision. No formal proceedings for the judicial resolution of such dispute may be commenced until the date on which either of the designated officers notifies the other in writing that he/she has concluded that an amicable resolution of the matter in issue does not appear likely.

12. MISCELLANEOUS

- a. This MOU may be executed by facsimile signature and may be executed in any number of counterparts, each of which shall be deemed an original, but all of which taken together will constitute one and the same instrument.

- b. Except as otherwise provided in this MOU, neither this MOU nor any rights under it may be assigned by any party to a third party without prior written consent of the other party.
- c. The parties agree to make any public disclosure after mutual discussion or if required by an applicable law. Neither party nor any of its employees shall have the authority to enter into or conclude any agreements on behalf of the other party nor otherwise bind nor obligate the other party, except as provided in terms of this MOU. For additional clarity, it is acknowledged and agreed that neither party may or will make any statement, amendment to the MOU or engage in any activity or make any representation which would have effect on the other party, without the written consent of the other party.
- d. Neither party shall use or nor let its employees and agents from using the name, trademark or logo of other party in any sale, marketing publication, advertisement, or other publication and shall not make, or let its employees, and agents make, any public statement relating to the MOU without prior written consent of both the parties.
- e. Either party will not make or offer to make any payments to, or confer, or offer to confer any benefit upon any employee, agent or fiduciary of any third party, with the intent to influence the conduct of such employee, agent or fiduciary in relation to the business of such third party, in connection with this MOU or the provision of services hereunder. The parties represent and warrant that none of other party's officers, directors, employees (collectively, "Personnel") has received anything of value of any kind, in connection with this MOU; and that no Personnel has a business relationship of any kind with other party's officers, directors, employees or agents.
- f. Nothing in this MOU shall be construed to constitute or appoint either Institute or SISW as the agent, partner, joint venture, or representative of the other party for any purpose whatsoever, or to grant to either party any right or authority to assume or create any obligation or responsibility, express or implied, for, or on behalf of, or in the name of any other party designated herein, or to bind any such other party in any way or manner whatsoever.
- g. No delay or failure by either party to exercise any right or remedy under this MOU will impair or be construed as a waiver of such rights or remedy. A waiver by any party of any breach or covenant will not be construed to be a waiver of any succeeding breach or any covenant. The right of either party to terminate hereunder shall not be affected in any way by its waiver of or failure to take action with respect to any previous default.
- h. Unless otherwise provided in this MOU, each party shall bear all fees and expenses incurred in performing its obligations under this MOU.
- i. Nothing in this MOU shall preclude SISW or any of its affiliates from cooperating or entering into any agreement with any other person or entity or otherwise developing, licensing, selling, deploying or otherwise making available any information, services, products or materials to any other person or entity. Nothing in this MOU shall preclude SISW or any of its affiliates from entering into an agreement or cooperating with any other person or entity

or from licensing or otherwise acquiring any information, services, products or materials from any other person or entity.

- j. Titles or captions of articles and paragraphs contained in this MOU are inserted only as a matter of convenience and for reference, and in no way define, limit, extend, or describe the scope of this MOU or the intent of any provision hereof.
- k. This MOU together with all exhibits hereto contains the entire understanding of the parties with respect to the subject matter contained herein and supersedes any prior discussions, proposals or agreements on this topic. There are no promises, covenants or understandings other than those expressly set forth herein. This MOU shall not be deemed or construed to be modified, amended or waived, in whole or in part, except by written agreement of all parties to this MOU. The parties herein shall be responsible severally for obtaining all statutory and non-statutory approvals, clearances and permits to be obtained for discharging their respective responsibilities pursuant to MOU.
- l. If any one provision of this MOU or part thereof is rendered void, illegal, or unenforceable by any legislation to which it is subject, it shall be rendered void, illegal or unenforceable to that extent only and it shall not affect the entire MOU. Provided that if the commercial basis of this MOU is thereby substantially affected or altered then the parties shall negotiate in good faith to amend and modify the provisions and terms of this MOU as may be necessary or desirable in the circumstances.
- m. This MOU shall be governed and construed in accordance with the laws of India and the courts of New Delhi shall have the exclusive jurisdiction to entertain any dispute or suit arising out of or in relation to this MOU.

IN WITNESS WHEREOF, the parties-hereto have executed this MOU as of the date first above written.

**Mangalore Institute Of
Technology & Engineering**

Signature

Name: Mr. Rajesh Chowta

Designation: Chairman



**Siemens Industry Software India Private
Limited**

Signature

Name: _____

Designation: _____

Signature

Name: SANTOSH SAWANT

Designation: Chief Financial Officer



Left to Right: **Mr. Gokul Vasudev** Regional Manager South Siemens PLM, **Mr. Suman Bose**, MD Siemens
Mr. Rajesh Chouta, Chairman RET, **Prof. G R Rai**, Advisor, MITE, **Dr. G L Easwara Prasad**, Principal



Mangalore Institute of Technology & Engineering

Badaga Mijar, Moodbidri 574225

Carl Zeiss India (Bangalore) Pvt. Ltd

Plot No 3, Jigan Link Road, Bommasandra Industrial Area
Bangalore 560099



Memorandum of Understanding

This Memorandum of understanding (hereinafter referred to as MOU/Understanding) is entered on this Friday the 1st of September 2017 between:

Mangalore Institute of Technology & Engineering, Moodbidri, a private Institution affiliated to Vivesvaraya Technological University, Belagavi, approved by AICTE, New Delhi, duly authorized and represented by its Principal Dr. G L Easwara Prasad, with its Administrative Office & Campus in Moodbidri, D.K District, Mangalore – 574225, herein called as '**MITE**'

and

Carl Zeiss India (Bangalore) Pvt. Ltd., Bangalore, a Company registered in India having its registered office in Plot No. 3, Jigani Link Road, Bommasandra Industrial Area, Bangalore 560 099, represented by Vice President-Services hereinafter called as '**CZI**'.

Whereas

MITE, a renowned educational institution in the Mangalore region established with a vision to attain perfection in providing Globally Competitive Quality Education to students and also benefit community through Research and Development through best practices.

The institution offers Seven Under Graduate and Post Graduate programs, a Management program and has Seven Research Centers, A Center of Excellence of Siemens and Centre of Competence of Bosch Rexroth. MITE has collaborations with Binghamton University, the State University of New York, USA, ITE West Singapore and MDIS Singapore.

MITE has witnessed growth in terms of Infrastructure, greater Industry tie ups and in the next decade perceives to be a pioneer in research and to develop as a Center of Excellence.

The Institute has already earmarked immense research activities with projects over a crore from reputed organizations in progress.

CZI is in the business of manufacturing / assembly of eye glass lenses / industrial metrology equipment and dealing, trading, importing, buying, and selling of spectacle lenses, surgical, medical, microscopy, industrial metrology, electronic – microscopic systems, accessories, spares and after sales service of mainly Carl Zeiss and other products.

Industrial metrology division caters to design & manufacture of precision metrology equipment in the fields of automotive, machinery, aerospace and allied industries. CZI is a leader in CNC coordinate measuring machines and complete solutions for multi-dimensional metrology in tool rooms and production applications.

This Memorandum of understanding has been arrived at skill development in the area of industrial metrology and finding value creating opportunities for students, teaching faculty and industry personnel.

NOW, THEREFORE, IT IS UNDERSTOOD BETWEEN THE PARTIES THAT:

- a. The main objective of this collaboration is to focus on bringing successful opportunities that lead to skill development, training and consultancy in the area of industrial metrology in general and co-ordinate metrology in particular.
- b. Allow exchange of students, faculty and industry executives between MITE and CZI to enhance the overall competence in the above fields.
- c. Establish a center of excellence in co-ordinate metrology at MITE

I. Obligations of MITE

- a. Design curriculum for training programs in consultation with CZI and implement the same as per agreed standards and protocol.
- b. Provide academic support through involvement of students and faculty.
- c. Provide resources such as class rooms, laboratory, and office space and communication facilities.
- d. Prepare project proposals for funds in collaboration with CZI.
- e. Provide building and other civil infrastructure and invest in metrology hardware & software in order to establish a Centre of Excellence in the coming years.

- f. Shall maintain confidentiality of Proprietary/Confidential information shared by CZI and such confidential information shall be used only for training and education purpose and not for any commercial purpose.

II. Obligations of CZI

- a. Provide full technical support in the design and development of curriculum for the training programs, which will be taught at MITE.
- b. Train the faculty of MITE on basics of coordinate metrology and CMM software at Zeiss India campus, Bommasandra at mutually agreed price.
- c. Provide software licenses at subsidised price for use in the laboratory at as a part of curriculum on coordinate metrology course as in (a) above.
- d. Depute experts from CZI to deliver lectures and conduct workshops at MITE as part of the courses jointly designed by MITE and CZI. Guest faculty charges or honorarium may be paid to CZI experts, as applicable.
- e. Permit one industry visit for faculty and students (max 20 students in one batch).
- f. Collaborate with MITE for the preparation of project reports to be submitted to funding agencies for research in the area of metrology.
- g. In the longer run, work towards the establishment of a Centre of Excellence in Co-ordinate metrology at MITE.

III. Validity of this Memorandum of Understanding

This Memorandum of understanding will take effect from the date of last signature by the party and shall be valid for 1 (One) year from last signature by the Party. Either party can terminate the MOU by giving a sixty-day written notice to the other party. It shall not be necessary to state the reasons of termination. It is agreed between the parties that though this Understanding is arrived at to facilitate co-operation for enhancing the quality of education in the area of Industrial Metrology, if for any reason the object is not achieved or achievable, this Understanding shall automatically stand cancelled and no party under this Understanding shall have any kind of claim against others. And in this behalf, no notice of any kind shall be given so far as this aspect is concerned.

IV. Dispute resolution

If there is any difference of understanding in any of the clauses or dispute between the parties, Principal, MITE and Vice president, CZI or their designee, will jointly resolve the difference or dispute in spirit of independence, mutual respect and shared responsibility.

V. Miscellaneous

If Parties desire to extend the scope of MOU over and above what is in this Understanding, same shall be mutually agreed between the Parties and shall be in writing.

The parties mentioned above have entered into this Memorandum of understanding duly endorsed by witnesses on the date, month and year mentioned herein above.

For CZI

S. N. Lavi Kumar

Vice President

Date: 1/9/2017

For MITE

[Signature]

Principal

Date: 1-9-2017

Witnesses:

1. [Signature] 01/09/17

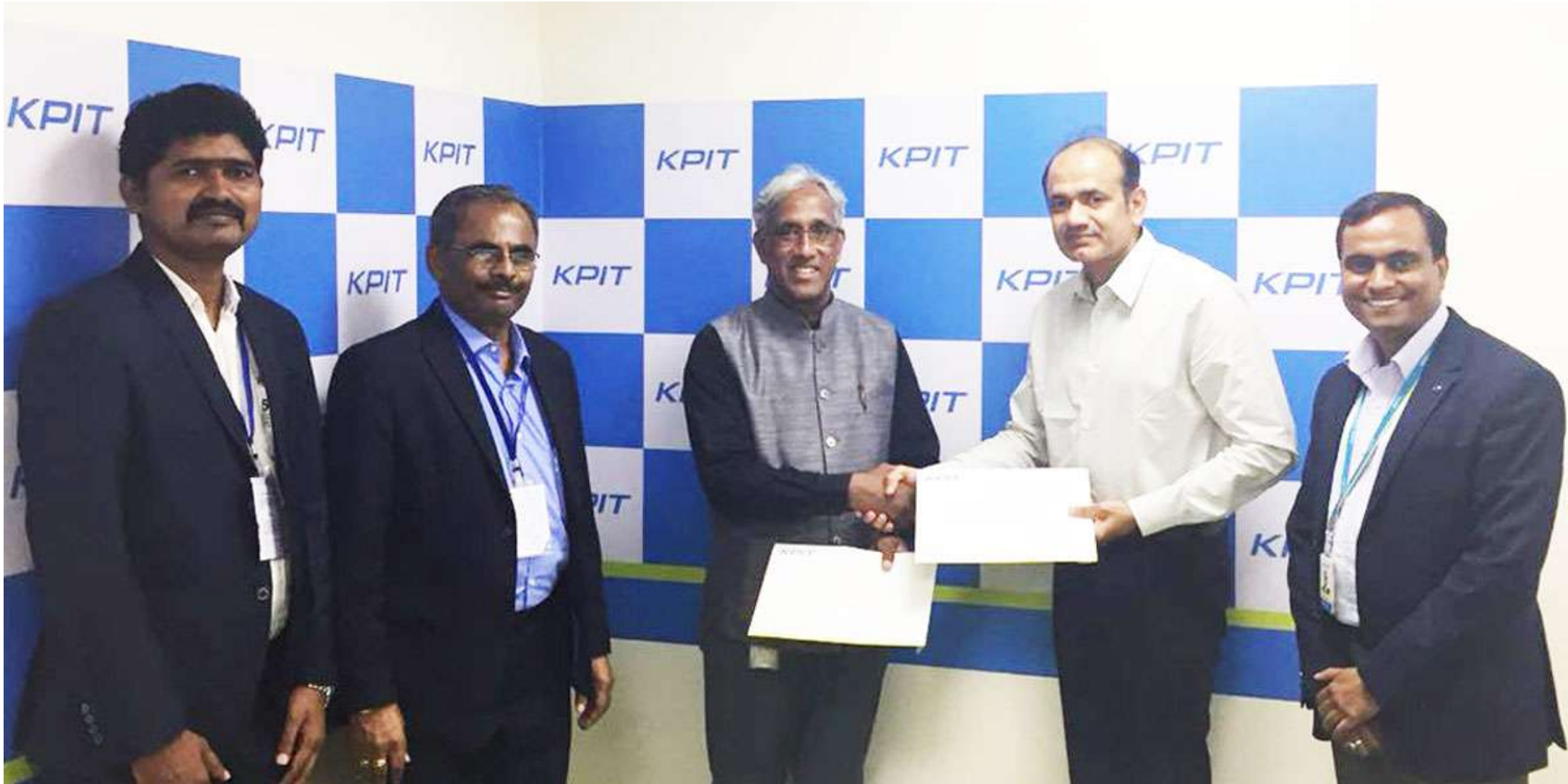
Name & Address:

2. [Signature]

Name & Address: NARENDRA - U P.
Dean (TEP)
MITE



Left to Right: **Carl Zeiss:** Mr. Narendra U P, Dean (T&P), Dr. G L Easwara Prasad, Principal, Mr. Wilson Thomas, MD - Carl Zeiss, Mr. Ravi Kumar Sirige, Divisional Manager - Carl Zeiss, Mr. Prabhakar Kikkeri National Service Manager - Carl Zeiss



Left to Right: Mr. Narendra U P, Dean (T&P), Dr. G L Easwara Prasad, Principal MITE, K N S Acharya, vice president - Global Head - Education and Comptenecy Development KPIT, Mr. Rajesh Chouta, Chairman RET, Mr. Rakesh Prasad, Head Campus Recruitment, KPIT



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UiPath Inc. is proud to recognize our educational partnership with

MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING

Moodabidri, Karnataka, India

for collaboration on growing the Robotic Process Automation (RPA) knowledge ecosystem.

Apr 2019

Member ID: 044684

A handwritten signature in black ink, reading "Tom Clancy".

Thomas P. Clancy
Chief Learning Officer



Left to Right: **Dr. G L Easwara Prasad, Principal, Mr. Rajesh Chouta, Chairman RET, Mr. Basavadarshan G Program Manager, Industry Enablement - UiPath, Mr. Narendra U P, Dean (T&P)**



सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

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Certificate Issued Date

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Description

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Second Party

: MANGALORE INSTITUTE AND TECHNOLOGY AND
ENGINEERING

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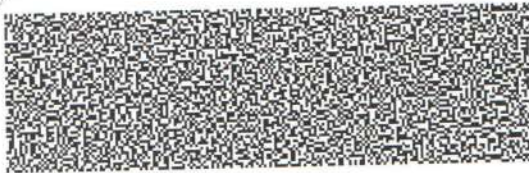
Stamp Duty Amount(Rs.)

: 200
(Two Hundred only)

For VSSSN JIGANI

[Signature]

Authorised Signatory



Please write or type below this line

Memorandum of Understanding

This Memorandum of Understanding (hereinafter referred to as 'MOU') is entered on & made effective from April 02, 2021 between:

Mangalore Institute of Technology & Engineering, a private Institution approved by AICTE, New Delhi, affiliated to Vivesvaraya Technological University, Belagavi, duly authorized and represented by its Principal Dr. G L Easwara Prasad, with its Administrative Office & Campus in Moodbidri, D.K District, Mangalore – 574225, (hereinafter called as 'MITE')

Statutory Alert

1) The authenticity of this stamp certificate should be verified at www.shilestamp.com or using e-Stamp Mobile App of Stock Holding
2) Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid
3) The onus of checking the legitimacy is on the users of the certificate.
4) In case of any discrepancy please inform the Competent Authority.

[Signature]

and

Toyota Industries Engine India Private Limited, a Company registered under the Companies Act, 1956 and having its registered office at Plot No. 9, Phase 2, Jigani Industrial Area, Jigani, Bangalore - 560 105, Karnataka, India, represented by Parameswaran Balakrishnan, Wholetime Director (hereinafter called as '**TIEI**').

Whereas

MITE, a renowned educational institution in the Mangalore region with a vision to attain perfection in providing Globally Competitive Quality Education to students and also benefit the global community through Research and Development using best practices.

The institution offers Seven Under Graduate and Post Graduate programs, a Management program and has Seven Research Centers, A Center of Excellence of Siemens and Centre of Competence of Bosch Rexroth. MITE has collaborations with Binghamton University, the State University of New York, USA, ITE West Singapore and MDIS Singapore.

MITE has witnessed growth in terms of Infrastructure, greater Industry tie ups and in the next decade the institution perceives to be a pioneer in research and to develop as a Center of Excellence. The Institute has already earmarked immense research activities with projects over a crore from reputed organizations in progress.

TIEI is in the business of manufacturing automobile engines and auto transmission parts.

This MOU has been arrived at skill development in the area of Engine Manufacturing and finding value creating opportunities for students, teaching faculty and industry personnel.

In this MOU, MITE and TIEI may individually be referred to as 'Party' and together as 'Parties'.

NOW, THEREFORE, IT IS UNDERSTOOD BETWEEN THE PARTIES THAT:

- a. The main objective of this collaboration is to focus on bringing successful opportunities that lead to skill development, training and consultancy in the area of Engine Manufacturing.
- b. Allow exchange of students, faculty and industry executives between MITE and TIEI to enhance the overall competence in the above fields.

I. Obligations of MITE

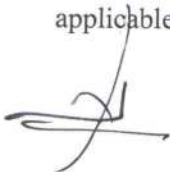
- a. Provide academic support through involvement of students and faculty.

 2

- b. Provide resources such as classrooms, laboratory, and office space and communication facilities.
- c. Provide building and other civil infrastructure for the purpose of training and workshops.
- d. Shall maintain confidentiality of Proprietary/Confidential information shared by TIEI and such confidential information shall be used only for training and education purpose and not for any commercial purpose. At the request of TIEI, MITE shall return all such information including all copies thereof to TIEI.
- e. Shall instruct and ensure that its personnel, who will be engaged by it for the purpose of this MOU, shall not make any efforts to have unauthorised access to any Proprietary/Confidential information of TIEI. TIEI reserves its right to take appropriate action against MITE and such personnel of MITE who would make efforts to have unauthorised access to the Information.
- f. Shall indemnify and keep TIEI harmless all the time from any loss, liability or expense suffered by TIEI as a result of improper disclosure, transmittal, reproduction or use of TIEI's Proprietary/Confidential information by MITE or its personnel.
- g. The above terms of confidentiality shall continue to operate and bind MITE at all times, even after the expiry/termination of this MOU and forever.
- h. Shall indemnify TIEI and hold TIEI harmless from and against any loss, claim, damage, liability or expenses, including costs of legal proceedings, resulting to TIEI and pay the respective amounts to TIEI thereof, resulting to TIEI directly or indirectly from breach of any covenant of this MOU by MITE, including and without limitation to any costs, charges and expenses which may be incurred by TIEI as a consequence of a breach of any of the terms and conditions of this MOU or otherwise.
- i. Shall conform to and comply with all applicable laws, obtain necessary insurance policies, comply the policies and procedures of TIEI, in relation to the transaction between TIEI and MITE. MITE shall hold TIEI harmless and indemnified against any default or violation of law committed by it.
- j. Shall ensure that whenever the students / faculty or representatives of MITE visit to TIEI, they need to observe all safety rules applicable, wear required PPEs and follow all other protocols applicable. MITE shall own the liability for discipline and behaviour of students/ faculty or representatives of MITE.

II. Obligations of TIEI

- a. Depute experts from TIEI to deliver lectures and conduct workshops at MITE as part of deepening Industry and Academia relationship and exchange latest trends in Engine technology. Guest faculty charges or honorarium may be paid to TIEI experts, as applicable.



- b. All the arrangement like internship, plant visit etc. will be mutually discussed and will be accommodated based on mutual convenience and mutual agreement of both the Parties.
- c. Facilitate internship and plant visit for students and faculty members of MITE and provide necessary support.

III. Validity of this MOU

This MOU will take effect from the date of last signature by the Party and shall be valid for 1 (One) year from last signature by the Party. Either Party can terminate the MOU by giving a sixty-day written notice to the other Party. It shall not be necessary to state the reasons of termination. It is agreed between the Parties that though this MOU is arrived at to facilitate co-operation for enhancing the quality of education in the area of Engine Manufacturing, if for any reason the object is not achieved or achievable, this MOU shall automatically stand cancelled and no Party under this MOU shall have any kind of claim against others. And in this behalf, no notice of any kind shall be given so far as this aspect is concerned.

IV. Dispute resolution

If there is any difference of MOU in any of the clauses or dispute between the Parties, Director, MITE and Head of Corporate Division, TIEI or their designee, will jointly resolve the difference or dispute in spirit of independence, mutual respect and shared responsibility.

V. FORCE MAJEURE

TIEI shall not be liable to MITE for non-performance or delay in the performance of any of its obligations under this MOU if such non performance or delay is caused by governmental restrictions, act of god, war, riots, earth quakes, flood, pandemic or due to any other cause beyond the control of TIEI.

VI. ANTI -BRIBERY AND ANTI- CORRUPTION CLAUSE:

Each Party acknowledges that any offering, solicitation, payment or acceptance of bribes in any form including facilitation payments is not permitted. Each Party agrees and acknowledges that they shall abide by TIEI's Anti - Bribery and Anti - Corruption Policy and have the right to terminate this MOU without any liability to the defaulting party if they have reasonable grounds to believe as supported by evidence that the defaulting party has directly or indirectly offered, paid, solicited or accepted bribes in any form, including facilitation payments, in relation to the entering into or performance of this MOU.



VII. Miscellaneous

1. If Parties desire to extend the scope of MOU over and above what is in this MOU, same shall be mutually agreed between the Parties and shall be in writing. No amendment of any provisions of this MOU shall be effective unless the same is in writing and signed by both the Parties.
2. If any of the provisions contained in this MOU shall be declared invalid, illegal or unenforceable in whole or in part under any applicable law, the validity, legality and enforceability of the remaining provisions or part thereof shall not in any way be affected or impaired.
3. The courts in Bangalore shall have the exclusive jurisdiction in the matters arising out of this MOU.

The Parties mentioned above have entered into this MOU duly endorsed by witnesses on the date, month and year mentioned herein above.

For Toyota Industries Engine India
Private Limited



Parameswaran Balakrishnan

Wholetime Director

Date: 02.04.2021

For Mangalore Institute of
Technology & Engineering



Rajesh Chowta S

Chairman

Date: 02.04.2021

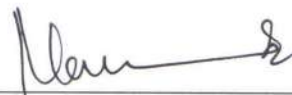
Witnesses:

1. 

Name & Address:

Santhosh Rao K

TIEI.

2. 

Name & Address:

Narendra U.P.

Dean (T&P)

MITE



Left to Right: **Ms. Krithika HR Officer TIEI, Mr. Narendra U P Dean (T&P) MITE, Mr. Santhosh Rao K Associate VP TIEI, Mr. Parameswaran B, Director TIEI, Mr. Rajesh Chouta, Chairman RET, Mr. Brijendra Shah - Sr Manager-HR TIEI, Mr. Jinaprasad Sr Associate, MITE,**



Criteria 6.2.1: The institutional Strategic / Perspective plan is effectively deployed.

2. LIST OF COURSE/ PROGRAM / ACTIVITIES

Documents uploaded

Sl No	Particulars	Page No
2.1	Course Contents of Bosch Rexroth-Brochure and syllabus	40-53
2.2	Course Content of SIEMENS-Brochure and syllabus	54-59
2.3	Carl Zeiss India Pvt. Ltd.: -Report of Faculty Development Program on Advances in Industrial metrology and GD&T.	60-63
2.4	Toyota Industries Engine India Private Limited (TIEI): - Report of Induction Program Organized by TIEI - Report of Technical Talk on Computer Aided Manufacturing	64-85

MITE



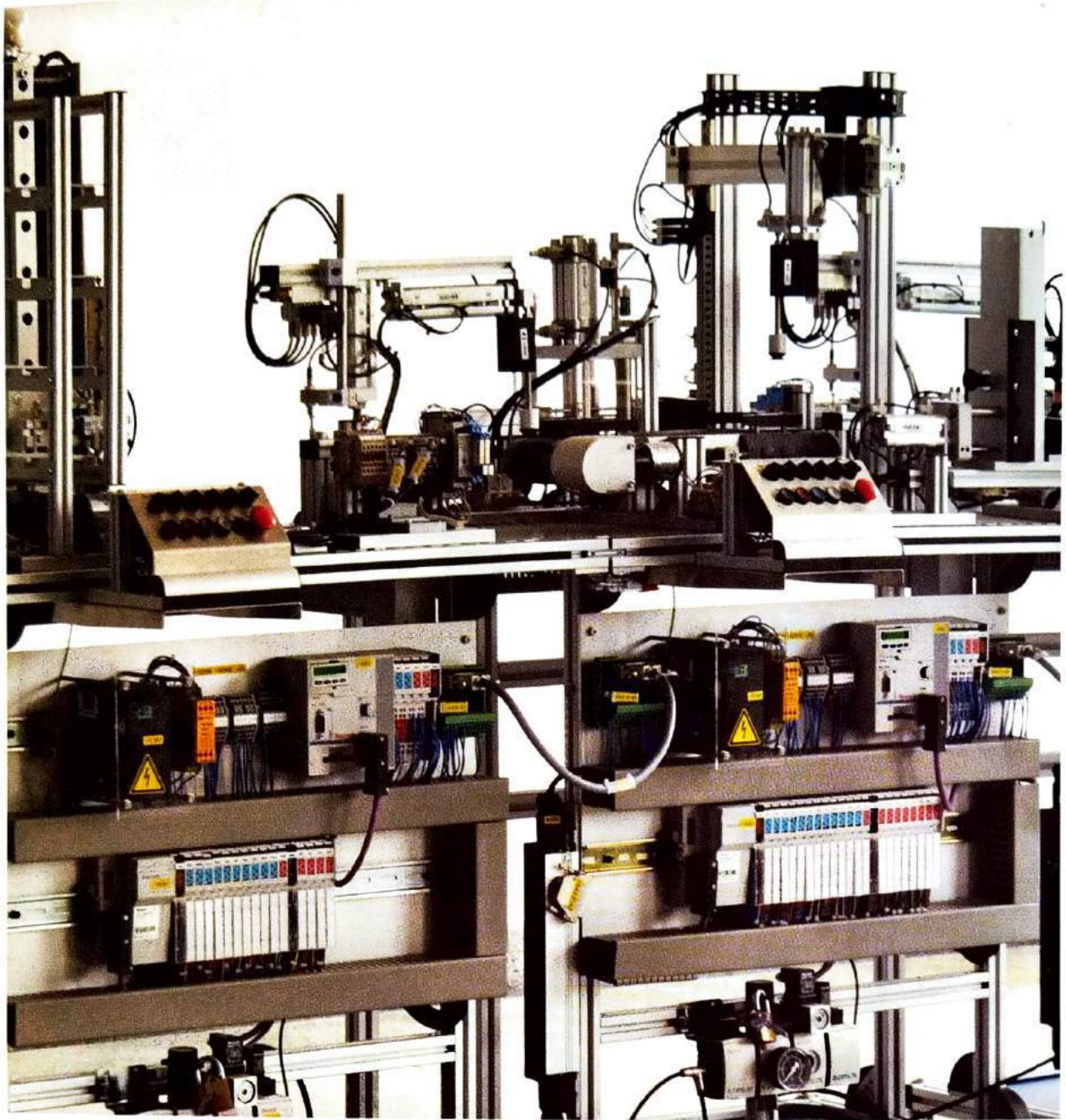
Invent Solutions

DRIVE & CONTROL ACADEMY

Rexroth
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**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:

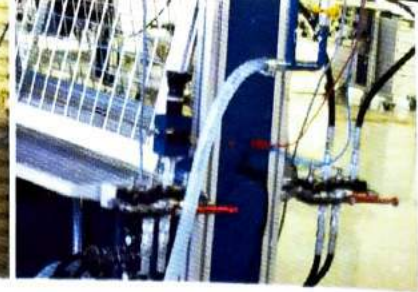
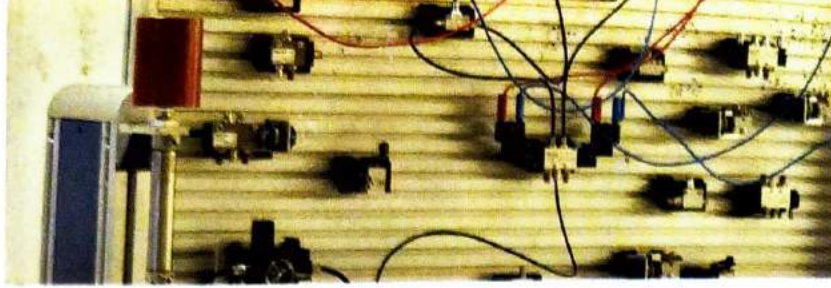
- Multimedia Presentation
- Sample Units & Power Units
- PC Animations
- Circuit Simulation on Trainer kit

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:

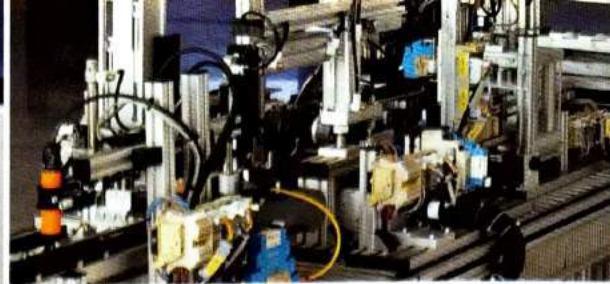
- Multimedia Presentation
- Sample Units

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

☐ IA05 : PLC

☐ IA02 : Advanced Hydraulics

☐ IA06 : Mechatronics

☐ IA03 : Pneumatics

☐ IA07 : Motion Logic in the Drive

☐ IA04 : Hydraulics & Pneumatics

☐ 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





Invent Solutions

Mangalore Institute of Technology & Engineering (MITE)

Mijar, Moodbidri, Mangalore, Karnataka. Ph: 08258-262695 to 99

E-mail: info@mite.ac.in

Rajalaxmi Education Trust

Souza Arcade, Balmatta Road, Mangalore, Karnataka. Ph: 0824-2441581, 2441582

Fax: 0824-2441581 E-mail: info@ret.ac.in Website: www.mite.ac.in

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



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.

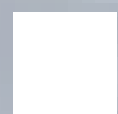
"As product complexity continues to grow, students who are able to use PLM software technology are expected to be highly recruited. Siemens PLM Software is delighted to have MITE as one of our academic partners to help build the next generation of engineers."

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,

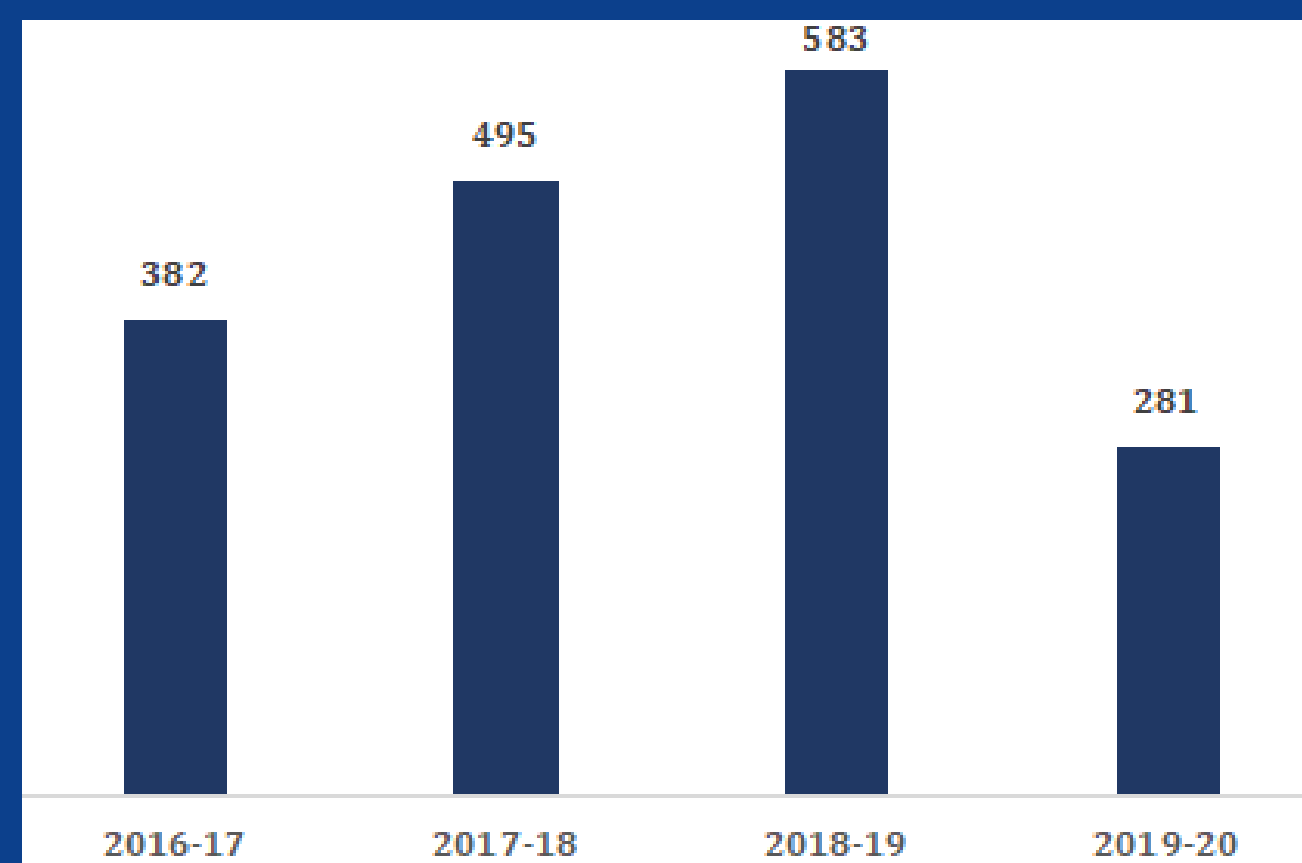
Center Head, MITE Siemens Center of Excellence

Head, Department of Aeronautical Engineering

Mangalore Institute of Technology & Engineering

Email: hodaer@mite.ac.in

Mobile: 9880509299



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



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www.mite.ac.in



MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

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

Badaga Mijar, Moodbidri, DK, Karnataka 574225



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	INTRODUCTION:- Brief introduction about software	2 Hours
2	GETTING STARTED: 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	TWO DIMENSIONAL SKETCHING:- 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	THREE DIMENSIONAL MODELING: - 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	ASSEMBLY MODELING:- Create assembly of different component	10 Hours
6	DRAFTING: - 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, Karnataka



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

Head

MITE-SIEMENS COE

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

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 27th and 28th 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.	Rajasekhar
2	Dr. Chandra Shekar T K	Professor	Mechanical Engg.	Chandrasekar
3	Dr. Neelakantha V Londe	Professor	Mechanical Engg.	Neelakantha
4	Dr. Lokesh M.	Professor	Mechanical Engg.	Lokesh
5	V Ramesha	Associate Professor	Mechanical Engg.	V. Ramesha
6	Mohan Kumar	Associate Professor	Mechanical Engg.	Mohan Kumar
7	Suresh Kumar R	Senior Assistant Professor	Mechanical Engg.	Suresh Kumar
8	Harold Joyson D'Souza	Senior Assistant Professor	Mechanical Engg.	Harold Joyson
9	Saviraj A S	Senior Assistant Professor	Mechanical Engg.	Saviraj A S
10	Rahul S	Assistant Professor	Mechanical Engg.	Rahul S
11	Sridhar D R	Assistant Professor	Mechanical Engg.	Sridhar D R
12	Somashekhar T M	Assistant Professor	Mechanical Engg.	Signature
13	Sunil kumar S	Assistant Professor	Mechanical Engg.	Sunil kumar S
14	Purandara Naik	Assistant Professor	Mechanical Engg.	Purandara Naik
15	Girish L V	Assistant Professor	Mechanical Engg.	Girish L V
16	Vikranth Kannanth	Assistant Professor	Mechanical Engg.	Vikranth Kannanth
17	Yajnesha P Shettigar	Assistant Professor	Mechanical Engg.	Yajnesha P Shettigar
18	Aveen K P	Assistant Professor	Mechanical Engg.	Aveen K P
19	Rueben Obed D'Souza	Assistant Professor	Mechanical Engg.	Rueben Obed D'Souza
20	Vishwas	Assistant Professor	Mechanical Engg.	Vishwas
21	Bhanuprakash H S	Assistant Professor	Mechanical Engg.	Bhanuprakash H S



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 ”**

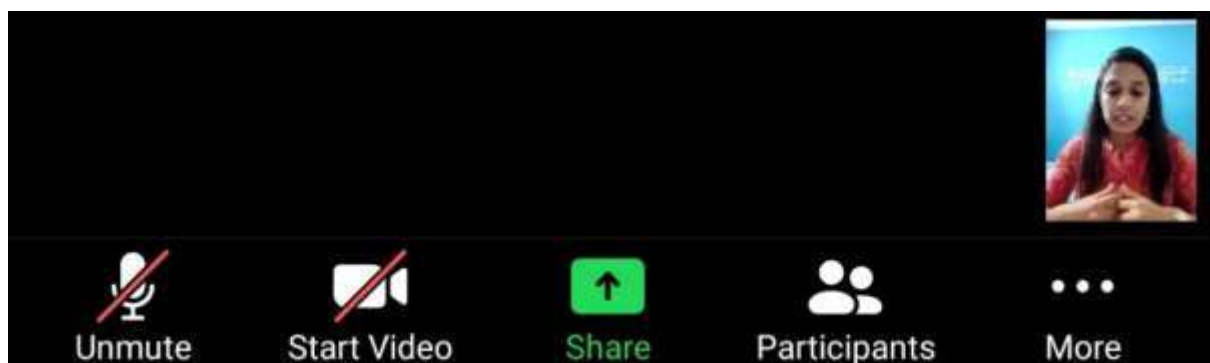
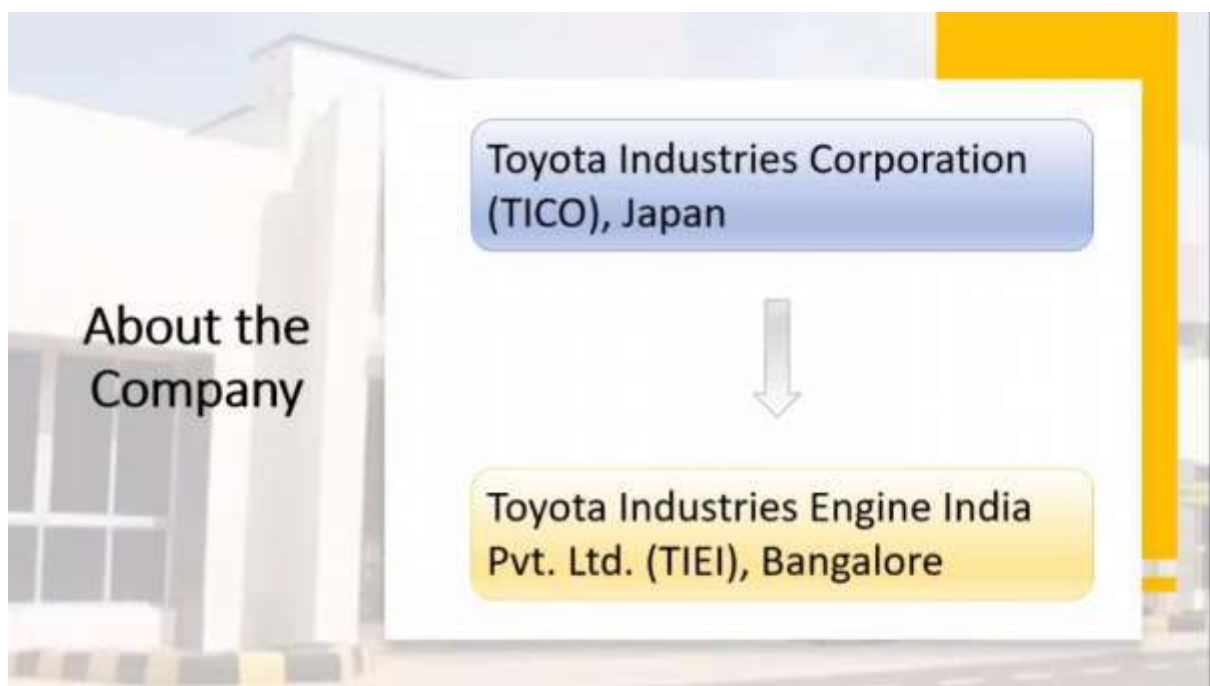


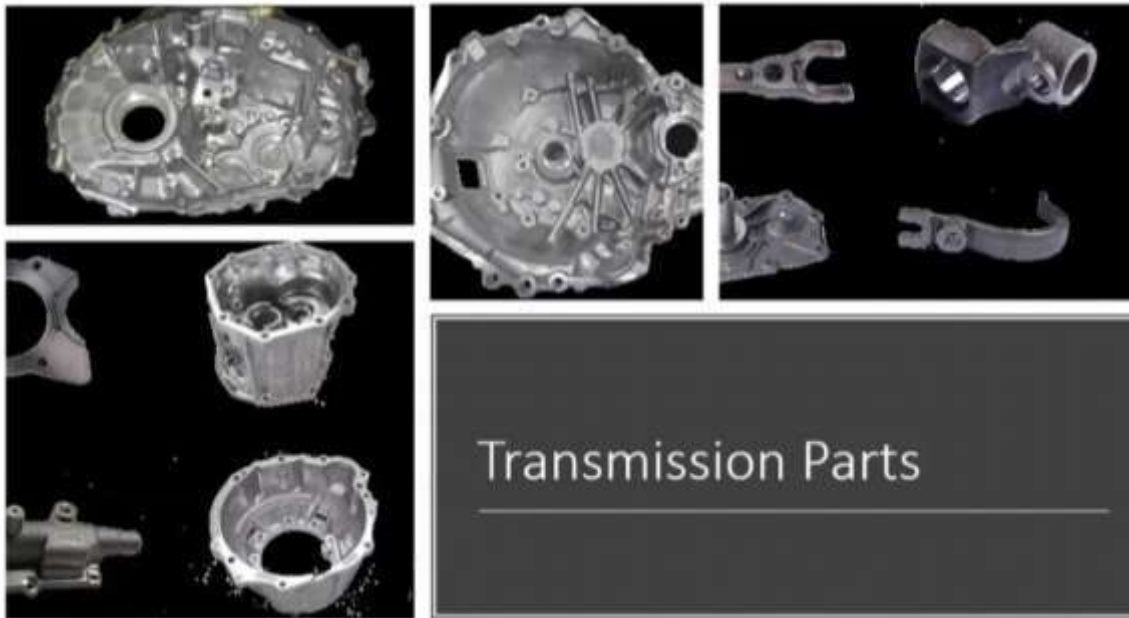
MR. SANTOSH RAO
ASSOCIATE VICE PRESIDENT - HR
TOYOTA INDUSTRIES ENGINE INDIA



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)

SL.NO	USN	STUDENT NAME
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	JITESH
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


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

DEPARTMENT OF MECHATRONICS		
4 TH 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

DEPARTMENT OF MECHATRONICS		
6 TH SEM STUDENTS LIST 2020-21		
SN	USN	NAME
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 Mechatronics Engg
 Mangalore Institute of Technology & Engineering
 Badaga Mijar MOODBIDRI 574225

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)

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

9. Brochure:



10. Attendance Sheet:

11. Outcome of the Talk:

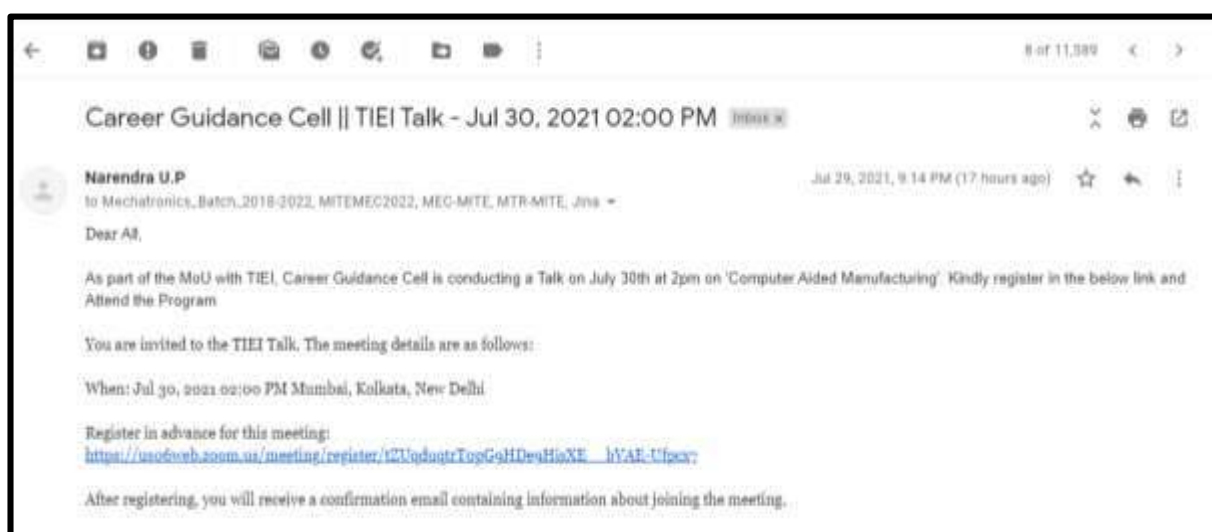
- Applying CAD/CAM concept to product design and manufacturing.
- Exposure to CAD/CAM application.
- Understand the digital transformation in manufacturing employs IOT, ML, AI, VR AR, etc.
- Understand the future developments of Agile Green & Virtual Manufacturing.
- Understand the development of Real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

Time	Applications
Morning	Fitness tracker, Smart showers, Smart Ovens
Mid-day	Automobiles, Computer
Evening	Digital music, Intelligent lighting
Night	Smart book, Intelligent lighting

3:07:49:21 5:21

Zoom Meeting controls: Unmute, Start Video, Security, Participants (138), Chat, Share Screen, Record, Breakout Rooms, Reaction, Leave.




ಟೊಯೋಟಾ ಇಂಡಸ್ಟ್ರೀಸ್ ಎಂಜಿನ್ ಬिल्ಡಿಂಗ್
TOYOTA INDUSTRIES ENGINE BUILDING

Zoom Meeting controls: Unmute, Start Video, Security, Participants (138), Chat, Share Screen, Record, Breakout Rooms, Reaction, Leave.

Zoom Meeting | You are viewing G. Sankarabharan's screen | View Options

Recording



Zoom Meeting controls: Unmute, Start Video, Security, Participants (150), Chat, Share Screen, Record, Breakout Rooms, Reaction, Leave.

Windows taskbar: Type here to search, 2:28 PM, 30-Jul-21, ENG, IN.

3) Computer Integrated Manufacturing – [Application]

Material & Information diagram (Bird's eye view)

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.

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 Sujan Shetty	🔴
SN Subramanyo Hajak	🔴
SC Sudel Chandrasekhar	🔴
SS Sudeshan Salan	🔴
SS Sudhanshu Ehat	🔴
SS Suhas S	🔴
SS Sujith Suvama	🔴
SS Samanth S Devidiga	🔴
SS Suresh S	🔴
SS Suresh S	🔴
SS Supriya S	🔴
SN Sushanth nayak	🔴
SS Sushanth Shetty	🔴
TS Taran 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	Awareness 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	IoT 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 and 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



Criteria 6.2.1: The institutional Strategic / Perspective plan is effectively deployed.

3. LIST OF SAMPLE CERTIFICATES OF BENEFICIARIES

Documents uploaded

Sl. No.	Particulars	Page No
3.1	Bosch Rexroth	86-88
3.2	Infosys Campus Connect	89-93
3.3	SIEMENS	94-95
3.4	Carl Zeiss India Pvt. Ltd.	96-98
3.5	KPIT Technologies Ltd.	99-102
3.6	UiPath	103-107

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

DRIVE & CONTROL ACADEMY

Program on

Industrial Automation Technology

CERTIFICATE

Vignesh Shankar Shetty

USN:4MT14CS119


of Mangalore Institute of Technology & Engineering, Moodabidri

has successfully completed the Certification program in the Training held during the period Aug 2015 to Dec 2015 at "Mangalore Institute of Technology & Engineering - Bosch Rexroth Centre of Competence in Automation Technology", Moodabidri.

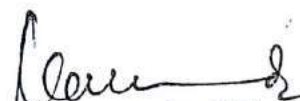
Contents of the training:

└ Programmable Logic Controllers

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

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



Certificate of Participation

Grade | ≥ 80 : A+ | ≥ 60 : A | < 60 : B

This is to certify that

Prof. Jyothi. G. N 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 **6th to 13th July 2020** by **Infosys Limited** and has been awarded with **"B"** 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 Participation

Grade | ≥ 80 : A+ | ≥ 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 **6th to 13th 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

INFOSYS CAMPUS CONNECT 2019

SL NO	USN	NAME	DEPARTMENT
1	4MT17CS001	A K Naseem	CSE
2	4MT17CS005	Abigal Sharal Mathias	CSE
3	4MT17CS007	aishwarya.k	CSE
4	4MT17CS013	ambika g prabhu	CSE
5	4MT17CS014	Amrutha Bapu gaikwad	CSE
6	4MT17CS021	Arjun Sudarsanan	CSE
7	4MT17CS026	Bhagyashree	CSE
8	4MT17CS028	Bindiya C M	CSE
9	4MT17CS033	Divyakeerthi	CSE
10	4MT17CS034	Donna Grace	CSE
11	4MT17CS035	Elveena crystal vas	CSE
12	4MT17CS037	Fathima Anisha	CSE
13	4MT17CS038	Floyd shon noronha	ECE
14	4MT17CS039	Galwin Brito	CSE
15	4MT17CS041	GAUTHAMI U G	CSE
16	4MT17CS042	Haimashreelakshmi	CSE
17	4MT17CS043	Harshitha M V	CSE
18	4MT17CS044	Jovita dmello	CSE
19	4MT17CS048	Keerthina V Shetty	CSE
20	4MT17CS049	Krithi Kini	CSE
21	4MT17CS052	Malissa Liana Rodrigues	CSE
22	4MT17CS057	Meghana Sharma	CSE
23	4MT17CS058	Milind Bijukumar	CSE
24	4MT17CS060	Muhammed Rizwan	CSE
25	4MT17CS123	Mohammed Nabhan	CSE
26	4MT17CS062	Namratha H	CSE
27	4MT17CS063	Nihal Bhandary M	CSE
28	4MT17CS064	Nishchith Shetty	CSE
29	4MT17CS065	Nithin S	CSE
30	4MT17CS067	P V Diveth Shetty	CSE
31	4MT17CS072	Pooja Gamskar	CSE
32	4MT17CS073	Poojary Sourabh Sathish Geetha	CSE
33	4MT17CS075	Prabhu Vaibhav Ganapati	CSE
34	4MT17CS076	Prajna D Y	CSE
35	4MT17CS077	Praneeth K	CSE
36	4MT17CS079	Prathiksha	CSE
37	4MT17CS080	Prathvin Pinto	CSE
38	4MT17CS082	Rajani R Kulal	CSE
39	4MT17CS083	Rakshitha	CSE
40	4MT17CS085	Roshan Nayak R	CSE
41	4MT17CS086	S L Thrishul Sherigar	CSE
42	4MT17CS089	Sahana	CSE
43	4MT17CS090	Saiprakash L Amin	CSE
44	4MT17CS091	Sakshi rai	CSE

45	4MT17CS092	satwik bharadwaj u	CSE
46	4MT17CS094	shameel ahmed	CSE
47	4MT17CS095	SHARAN	CSE
48	4MT17CS096	sharvari k	CSE
49	4MT17CS097	Shashan Ram	CSE

Alhat
Spoc

Dr. Venkatramana Bhat P.
Professor & Head
Dept. of Computer Science & Engg.
Mangalore Institute of Technology & Engg
P.O. Mijar, Moodbidri - 574225
Mangalore D K. Dist., Karnataka

Siemens Industry Software India Pvt Ltd.

hereby awards *"Certificate of Merit"* to

SUHAIB MOHAMMED HUSSAIN

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

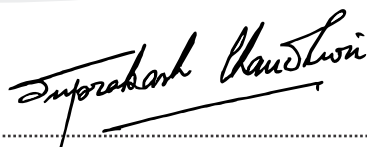

on successful completion of training program on

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**

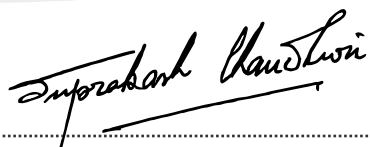

on successful completion of training program on

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

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 9th July - 8th 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 9th July - 8th August, 2018



Trainer
Industrial Quality Solutions
ZEISS India



National Manager - Services
Industrial Quality Solutions
ZEISS India



Carl Zeiss India (Bangalore) Pvt. Ltd.

Bommasandra Industrial Area
Bangalore 560099

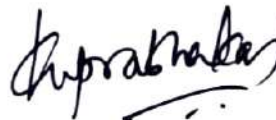


This is to Certify that

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 27th and 28th July 2018.



Mr. Prabhakar Kikkeri

National Manager, Automation & Retrofits
Industrial Metrology Division, Carl Zeiss (Bangalore) Pvt. 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 | 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 **Fidha Shirin** 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: -

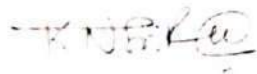
Project Title – V2V Communication Using LI-FI under the guidance of **Rajesh Sola**

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 | 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 | 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



Subrahmanya

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

Step into Robotic Process Automation


S.P. Balamurugan

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

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 black 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 iUIFK98zPo9Y657530

Verified certificate issue on June 1 2020

Verify certificate at 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 'Step into RPA'.

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

In association with





Diploma of Completion

Proudly presented to:

Ramalingam H M

For successfully completing the learning plan:

RPA Developer Advanced

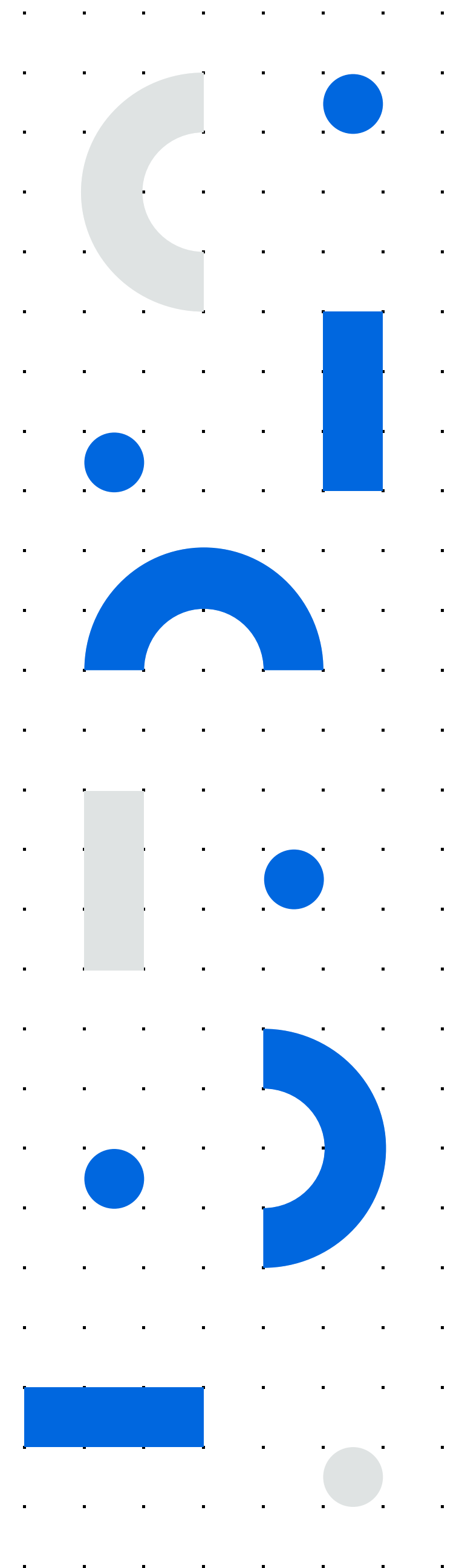
06/07/2019

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

1st July 2020

Date of issue

UiPath Academic Alliance

Issuing Authority

