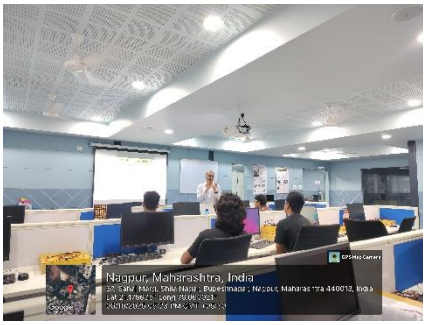
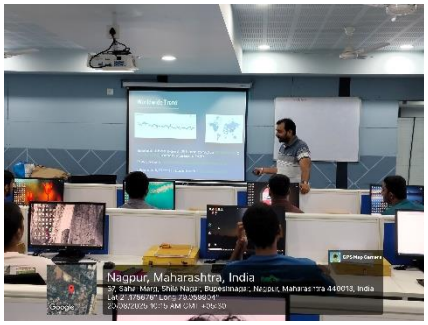
REFLECTION
January – February - March 2026
RBU-TATA-CIIIT
(Center for Invention Innovation Incubation & Training)

[A] Training Programs: -

1] One month internship program on **"Internet of Things (IoT)"** was started from 20 August, 2025 for students of **Mechanical Department** of **Shri Ramdeobaba College of Engineering and Management, Nagpur** from 10.30 am –5.00 pm, held by RCOEM-TATA-CIIIT. A total **17** students participated and internship was given by Dr. Suresh Balpande, Dr. Shubham Anjankar and Technical Assistant Mr. Umendra Mukurne.

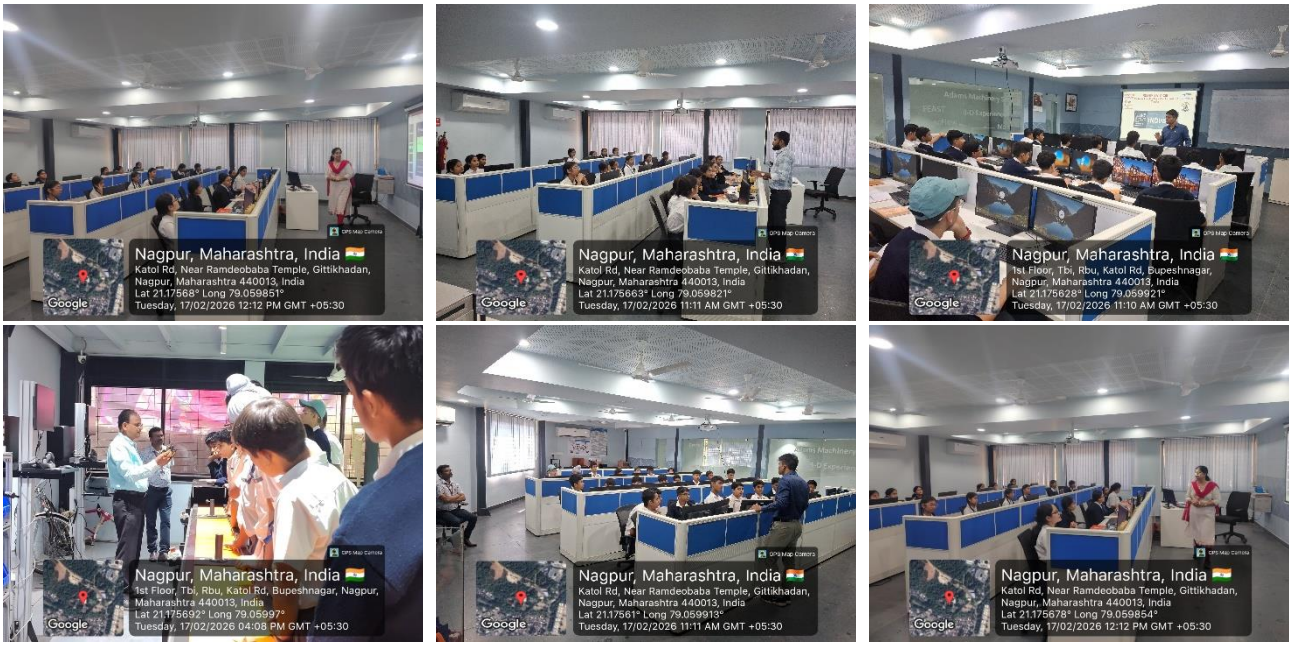




2] A one day training program on **"Solid Modelling, 3D Printing and Internet of Things (IoT)"** was conducted on **4th, 5th and 10th February 2026** for 9th std. students of **Bhavan's Vidya Mandir, Koradi, Nagpur,** from 10.30 am to 5.00 pm, held at RCOEM-TATA-CIIIT. A total of **107** students participated, which was coordinated by Dr. Alok Jha and supported staff Mr. Shrikant Wankhede for Solid Modelling, 3D printing, and Dr. Bhumika Neole, Prof. Shruti Nair, Prof. Snehal Laddha and supported staff Mr. Umendra Mukurne has IoT demonstrated.

3] A one day training program on **"Solid Modelling, 3D Printing and Internet of Things (IoT)"** was conducted on **17th February 2026** for 9th std. students of **Bhavan's Vidya Mandir, Civil Lines, Nagpur,** from 10.30 am to 5.30 pm, held at RCOEM-TATA-CIIIT. A total of **43** students participated,

which was coordinated by Dr. Alok Jha and supported staff Mr. Shrikant Wankhede for Solid Modelling, 3D printing, and Dr. Bhumika Neole and supported staff Mr. Umendra Mukurne has IoT demonstrated.



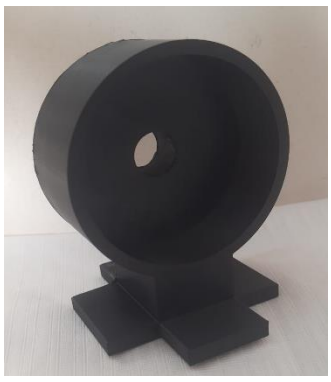
[B] Consultancy & Project:

- **Mr. Kartik Baware** from **Solar Defence and Aerospace Limited, Nagpur** consultancy work on the laser cutting and engraving machine for **Aerospace Defence work** on acrylic sheet on **17/01/26** under guidance **Dr. Ambrish Deshpande**.
- **Mr. Harshal Chaudhari** (ME) & his team printed 3D parts for the project of the **"Experimental Work to fabricate test specimens from ASA & ABS filaments"** based on a 3D software design model, under the guidance of **Dr. Y. V. Deshpande** on **February 04, 2026**.
- **Mr. Rajat Moon** (ME) & his team printed 3D parts for the project of the **"Fabrication of prototype model of Topology Optimized coastal armour unit"** based on a 3D software design model, under the guidance of **Dr. Vishal Shukla** on **February 05, 2026**.
- **Mr. Arjjit Shahu** (ME) & his team printed 3D parts for the project of the **"Detect Microplastics in water"** based on a 3D software design model, under the guidance of **Dr. Yogesh Joshi** on **February 06, 2026**.
- **Ms. Rajlaxmi Suryawanshi, Mr. Aryan Mishra** (ME) & his team printed 3D parts for project of the **"Assessment of biodegradability & Mech. Performance of 3D printed PLA with varying infill desities"** based on a 3D software design model, under the guidance of **Dr. A. Chatpalliwar & Dr. A. A. Raut on February 11, 2026.**
- **Dr. Abhijeet Raut** has designed a **"Lung Simulator Model"** & Print the 3D parts for **Volantis Healthcare Solution, Nagpur.**
- **Mr. Himanshu Makde** (ME) printed 3D parts for the project on **"Hybrid Crystal Lattices"** based on a 3D software design model, under the guidance of **Dr. Himanshu Singh** on **March 06, 2026.**

[C] Lab Utilization:

- The **Elective Lab (Internet of Things [IoT])** at the Machine Learning (CIIIT) was utilized by Mechanical Engineering students from **Jan 10, 2026 onward**, including **Batch A1, Batch B2,** and **Batch B3 by Dr. Vishal Shukla** & **Dr. Yenorkar Ma'am**.

- The **Elective Lab (Internet of Things [IoT])** at the Machine Learning (CIIIT) was utilized by **MCA students** from **Jan 09, 2026 onward**, including **Batch A1, Batch B2,** and **Batch B3 by Prof. Bindiya Turkar**.
- The students of 2nd year/4th Sem Mechanical engineering Dept. for **KOR** at **Integrated Manufacturing Lab** from **17, 18, 23 & 25 March 2026** onward by **Dr. G. R. Nikhade & Dr. Alok Jha.**
- **Mr. Abhijeet Awasthi** from Biomedical Engg. Utilized the laser cutting and engraving machine for the cutting the 12 parts of acrylic sheet on **27/03/26 & 30/03/26** under guidance **Dr. Sangeeta Palekar**.
- **Mr. Rohnit Vegad** from ME (Robotics & AI) to utilized of laser cutting & Engraving machine for the acrylic sheet cutting on **17/03/26** under guidance **Dr. T. A. Madankar.**

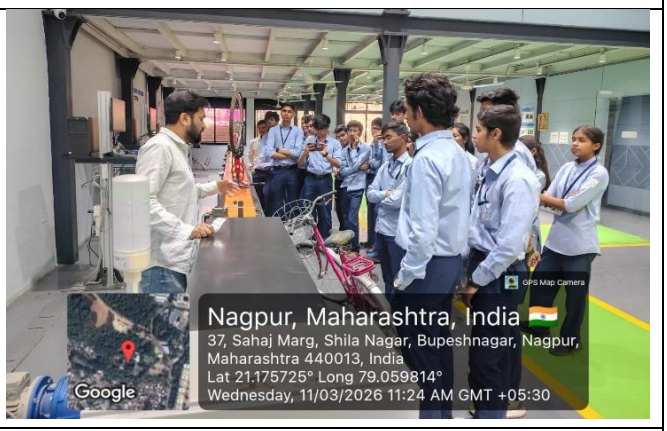



D] Visit of Eminent persons to RCOEM-TATA-CIIIT:

Mr. Gurpreet Singh & Mr. Ashish Ohri

Prof. Puneet Tandon

Prof. Jitendra Katariya, Asso. Prof.,Mech. Engg. Manipal Institute of Technology, Mangalore



Tulsiramji Gaikwad Patil College of Engineering and Management, Nagpur

Mr. Jitendra, Ace Micromatic

Shri Mangeshji Bhende

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<tr><td>Dr.Manoj Tatwadi and Shri Hemant Jambhekar, Go Vidyan Anusandhan Kendra, Deolapar</td><td></td></tr>
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<tr><td>Mr. Mukesh Joshi, Vice-President of Opus Technologies</td><td>Mr. Kuldeep Vij, General Manager, Mercedes Benz India</td></tr>
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<tr><td>Mr. Rajeev Taneja, Operating Officer, Honda India Foundation.</td><td>Dr. S. Swaminathan, Sastra University, Thanjavur, Tamil Nadu</td></tr>
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