

REFLECTION

October – November - December 2025

RCOEM-TATA-CIIT

(Center for Invention, Innovation, Incubation & Training)

[A] Training Programs: -

1] A one-month internship program on “Internet of Things (IoT)” was conducted from **20 October 2025** for the students of the **Mechanical Engineering Department, RCOEM, Nagpur**, from **10:30 a.m. to 5:30 p.m.**, and was organized by **RCOEM-TATA-CIIT**. A total of **17 students** participated in the program. The internship was conducted by **Dr. S. Balpande, Dr. S. Anjankar, and Technical Assistant Mr. Umendra Mukurne**.

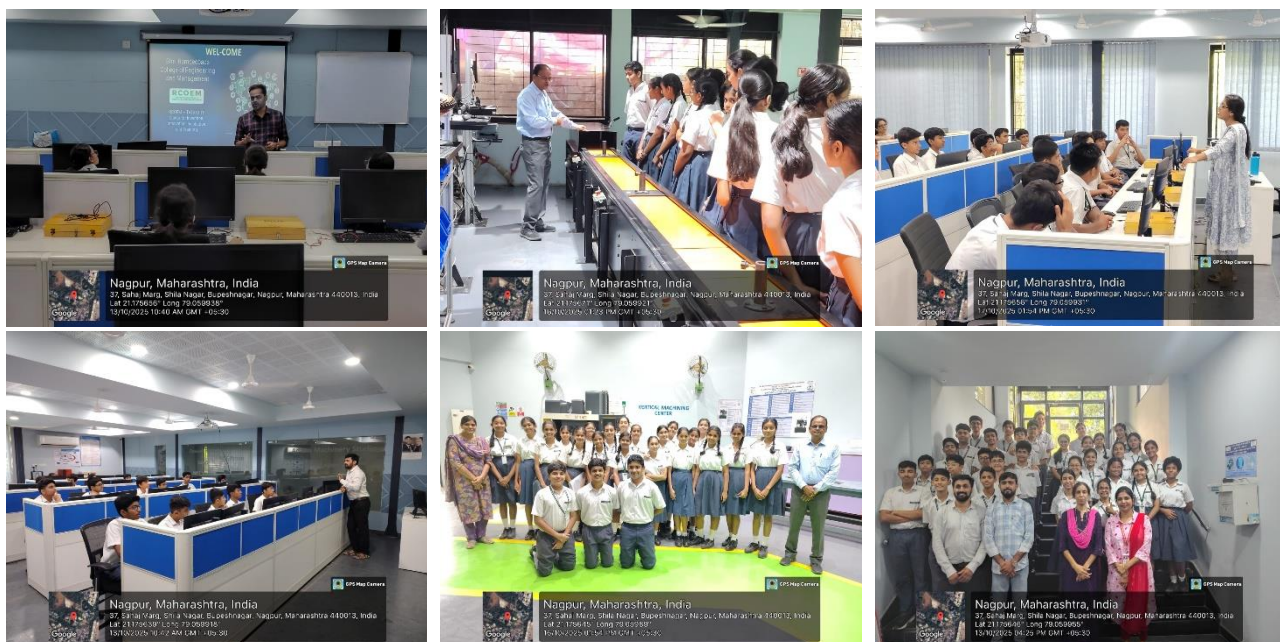


2] A one-day training program on “Artificial Intelligence & Machine Learning (AIML)” was conducted on **04 October 2025** for **10th standard students of Jindal Vidya Mandir School, Kalmeshwar, Nagpur**, from **10:30 a.m. to 5:30 p.m.** The program was held at the **Digital Tower** in association with **RCOEM-TATA-CIIT**. A total of **31 students** participated in the program. The sessions were conducted by **Dr. Amit Pimpalkar and Dr. Nisarg Gandhewar**, and the event was coordinated by **Dr. Y. M. Sonkhaskar**. **Four to five students provided encouraging feedback on the course.**

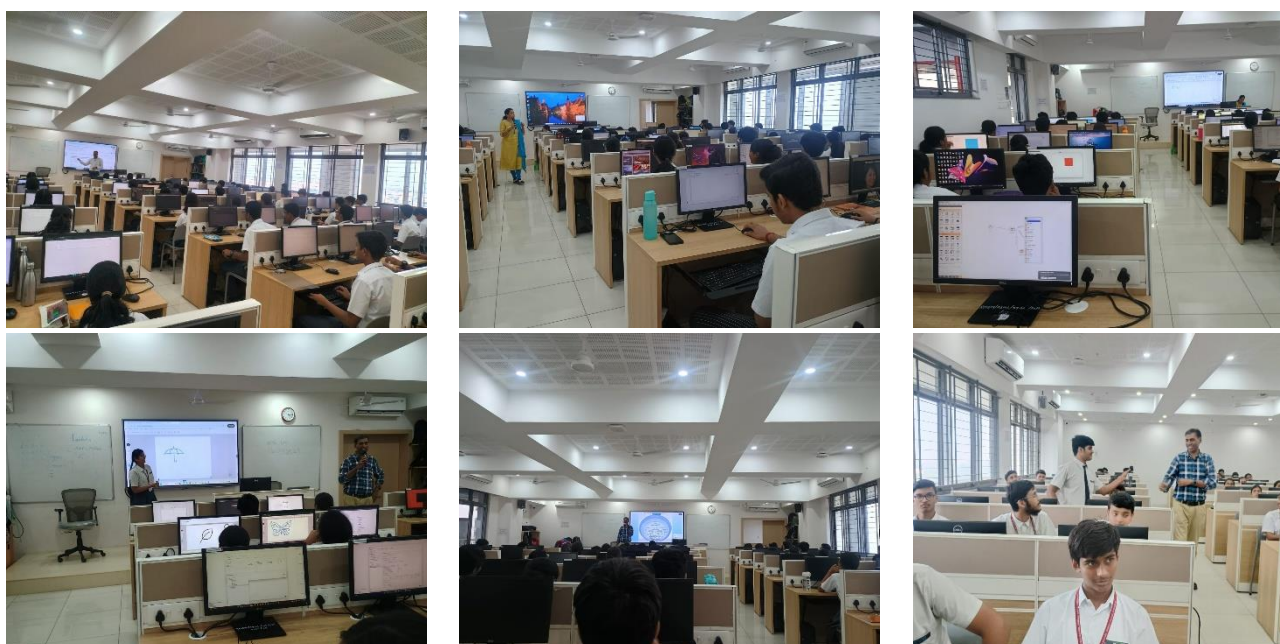


3] A One day training program on “Solid Modelling, 3D Printing and Internet of Things (IoT)” was conducted on **13th to 17th October 2025** for **9th std. students of Bhavan’s Vidya Mandir,**

Trimurti Nagar, Nagpur, from 10.30 am to 5.30 pm, held at RCOEM-TATA-CIIIT. A total of **143** students participated, which was coordinated by Dr. Y.M. Sonkhaskar and conducted by Dr. Alok Jha and supporting staff Mr. Shrikant Wankhede for Solid Modelling and 3D printing, and Dr. Bhumika Neole, Dr. Chitraja Rajan, Prof. Lokesh Heda, Prof. Purvi Joshi, Prof. Shruti Nair, Prof. Vishal Rathee and supporting staff Mr. Umendra Mukurne for Internet of Things.

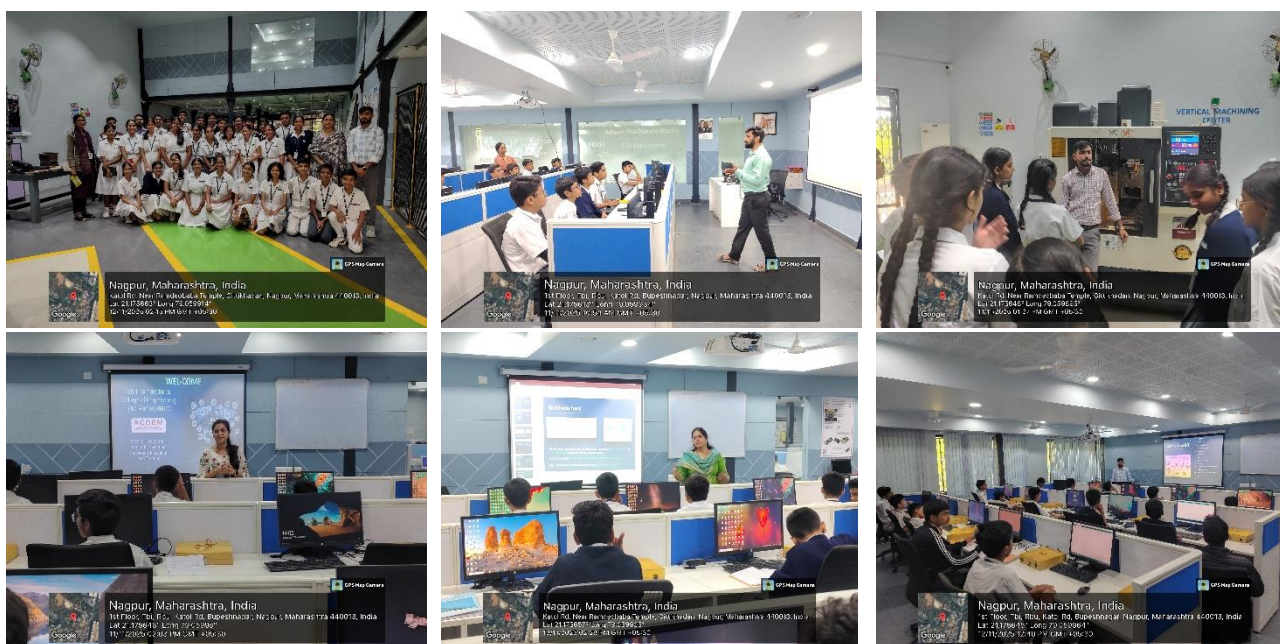


4] A One day training program on “Artificial Intelligence & Machine Learning (AIML)” was conducted from **15th to 17th October 2025** for 10th, 11th, 12th std. students of **Bhavan’s Vidya Mandir School, Trimurti Nagar, Nagpur**, from 10.30 am to 5.30 pm, held at Digital Tower in association with the RCOEM-TATA-CIIIT. A total of **200** students participated, which was conducted by Dr. Amit Pimpalkar and Dr. Nisarg Gandhewar. The event was coordinated by Dr. Y. M. Sonkhaskar. 4-5 students gave encouraging feedback about the course.



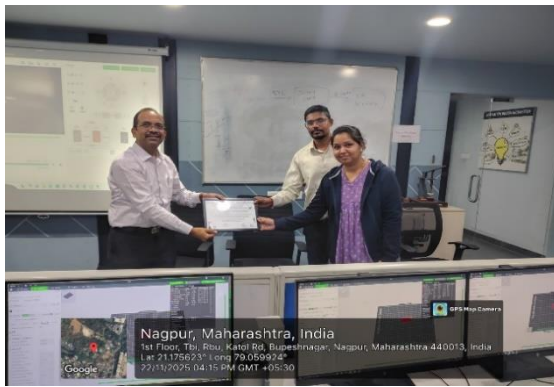
5] A one day training program on “Solid Modelling, 3D Printing and Internet of Things (IoT)” was conducted on **11th to 13th November 2025** for 9th std. students of **Bhavan’s Vidya Mandir, Chinchbhuvan, Nagpur**, from 10.30 am to 5.30 pm, held at RCOEM-TATA-CIIIT. A total of **89**

students participated, which was coordinated by Dr. Y.M. Sonkhaskar and training was conducted by Dr. Alok Jha and supporting staff Mr. Shrikant Wankhede for Solid Modelling and 3D printing and Dr. Bhumika Neole, Prof. Shruti Nair and supporting staff Mr. Umendra Mukurne for Internet of Things.

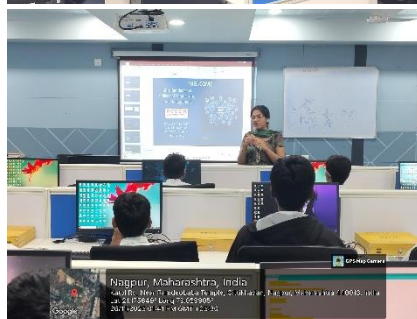


6] A one-day training program on “Solid Modelling, 3D Printing and Internet of Things (IoT)” was conducted on **22nd November 2025** for 9th std. students of **Jindal Vidya Mandir School, Kalmeshwar, Nagpur**, from 10.30 am to 5.30 pm, held at the RCOEM-TATA-CIIT. A total of 34 students participated, which was which was coordinated by Dr. Y.M. Sonkhaskar and training was conducted by Dr. Alok Jha and supporting staff Mr. Shrikant Wankhede for Solid Modelling and 3D printing and Dr. Bhumika Neole and supporting staff Mr. Umendra Mukurne for Internet of Things.

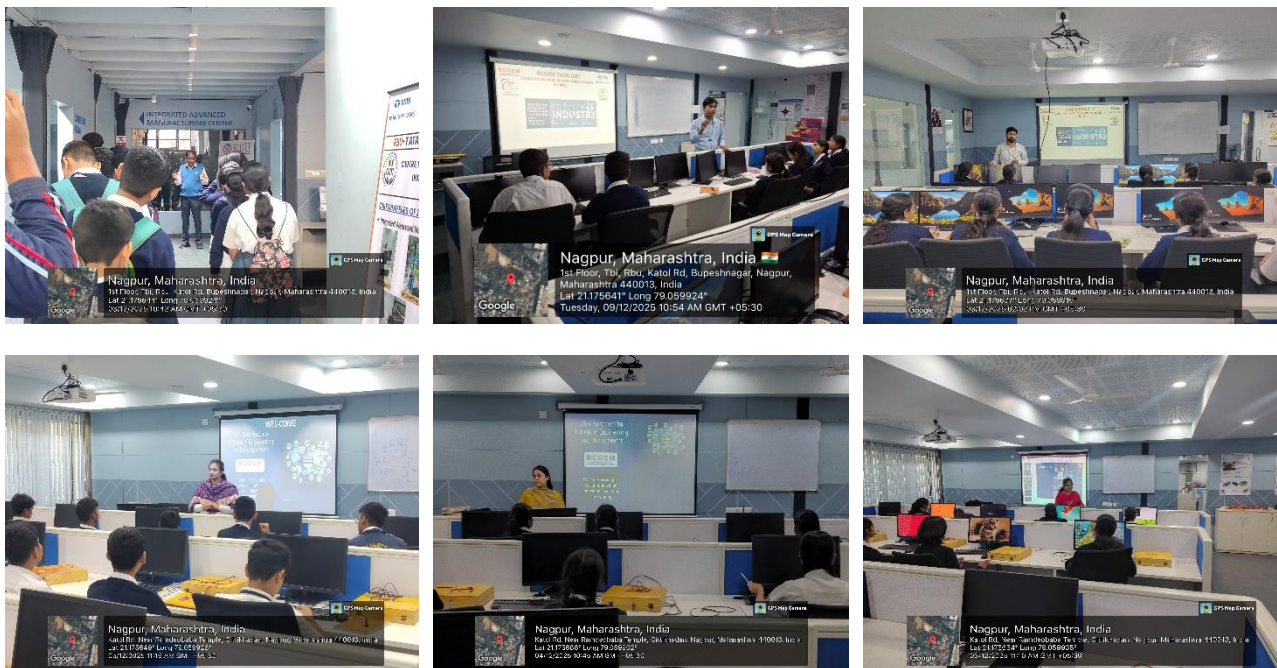




7] A one day training program on “Solid Modelling, 3D Printing and Internet of Things (IoT)” was conducted on 25th November and 1st December 2025 for 9th std. students of **Bhavan’s Vidya Mandir, Srikrishna Nagar, Nagpur**, from 10.30 am to 5.30 pm, held at RCOEM-TATA-CIIT. A total of 225 students participated. The training was coordinated by Dr. Y.M. Sonkhaskar and training was conducted by Dr. Alok Jha and supporting staff Mr. Shrikant Wankhede for Solid Modelling and 3D printing and Dr. Bhumika Neole, Prof. Shruti Nair, Prof. Vishal Rathee, Dr. Suresh Balpande and supporting staff Mr. Umendra Mukurne for Internet of Things.

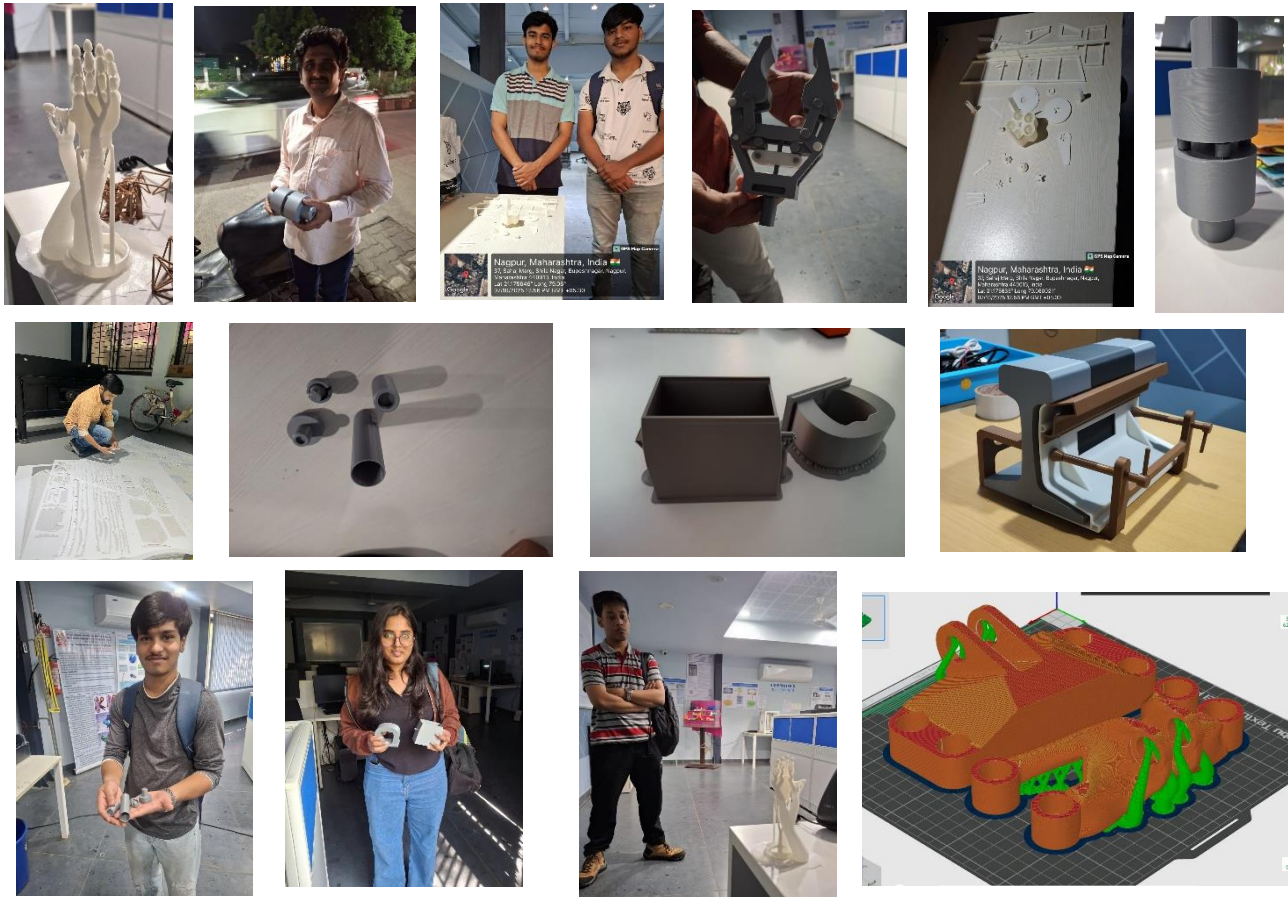


8] A one day training program on “Solid Modelling, 3D Printing and Internet of Things (IoT)” was conducted on 3rd to 10th December 2025 for 9th std. students of **Bhavan’s Vidya Mandir, Ashti, Nagpur**, from 10.30 am to 5.30 pm, held at RCOEM-TATA-CIIT. A total of 149 students participated, which was coordinated by Dr. Alok Jha and supported staff Mr. Shrikant Wankhede for Solid Modelling, 3D printing, and Dr. Bhumika Neole, Prof. Snehal Laddha, Prof. Poorvi Joshi and supported staff Mr. Umendra Mukurne has demonstrated.



[B] Consultancy & Project:

- **Ms. Shravani Morankar (ME)** and her team printed 3D parts for the project titled **“Topology Optimization of an Engine Mount Using Additive Manufacturing Technologies”** based on a 3D software design model, under the guidance of **Dr. Himanshu Singh**, on **11 December 2025**.
- **Mr. Yash Mishra** and his team printed 3D parts for the **“IAHR Competition”** under the guidance of **Dr. Vishal V. Shukla**. The 3D-printed parts were handed over on **11 December 2025**.
- **Mr. Shantanu Bedre (BME), Ms. Madhura Ambadkar**, and their team printed 3D parts for the **DMIP mini-project** on a **dental mirror**, developed using a 3D software design model, under the guidance of **Dr. Abhijeet Raut**, on **04 and 08 November 2025**.
- **Mr. Ameya K. Arora** and his team printed 3D parts for the **“AAKRUTI Innovation Competition 2025”** under the guidance of **Dr. Y. M. Sonkhaskar**. They also utilized the **Innovation Design Incubation Lab** for project preparation. The 3D-printed parts were handed over on **02 November 2025**.
- **Mr. Vishal V. Rawale (Electrical Engineering Department)** and his team printed 3D parts for the **final-year project** titled **“Wind Turbine for Urban Applications”** from **Priyadarshini College of Engineering, Nagpur**, based on a 3D software design model, under the guidance of **Dr. P. S. Gotekar**, on **01 November 2025**.
- **Prof. Piyush Sirsat (Ph.D. Research Scholar, Mechanical Engineering Department)** from **Priyadarshini College of Engineering, Nagpur** printed 3D parts for his **Ph.D. research project**. This consultancy was carried out under the guidance of **Dr. Y. M. Sonkhaskar**, and the 3D-printed parts were handed over on **02 November 2025**.
- **Ms. Sumya Tiwari** and **Mr. Matin Sayyed (M.Pharm [Pharmaceuticals])** printed 3D parts for an **ongoing research project** on **“Fused Deposition Modeling (FDM)”** from **Dadasaheb Balpande College of Pharmacy, Nagpur**, based on a 3D software design model, under the guidance of **Dr. Nilesh Mahajan**, on **08th and 09th October 2025**.



[C] Lab Utilization:

- The DMEE laboratory for 3rd semester Mechanical Engineering students was conducted at the Design Center, CIIT, from 06 October 2025 onwards, for all six batches.

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



