

REFLECTION

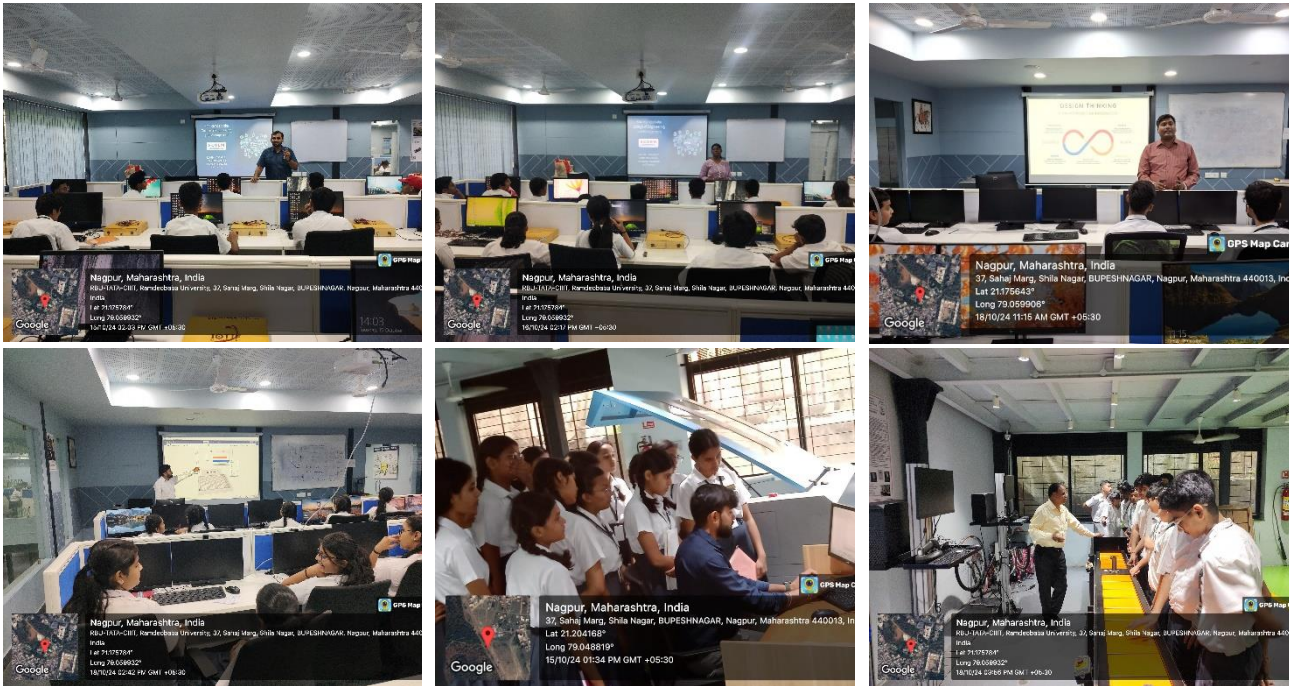
October-November-December 2024

RCOEM-TATA-CIIIT

(Center for Invention Innovation Incubation & Training)

[A] Training Programs: -

1] One day training program on “Solid Modeling 3D Printing & Scanning and Internet of Things (IoT)” was conducted from 15th to 18th October 2024 for students of Bhavan’s Vidya Mandir School, Trimurti Nagar, Nagpur from 10.30 am –5.30 pm, held at RCOEM-TATA-CIIIT. A total 156 students participated and was coordinated by Dr. Alok Jha, Dr. Himanshu Shukla for the solid modeling 3D printing and Dr. Bhumika Neole, Dr. Chitrajan Rajan, Prof. Lokesh Heda, Prof. Shruti Nair, Prof. Snehal Laddha, Prof. Anjankar for IoT and hands-on session by Mr. Shrikant Wankhede and Mr. Umendra Mukurane.

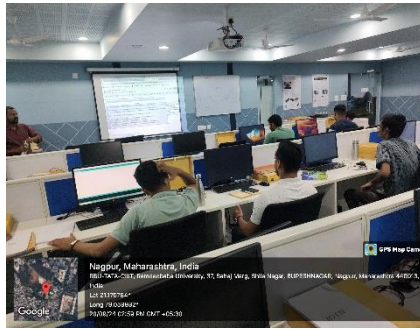
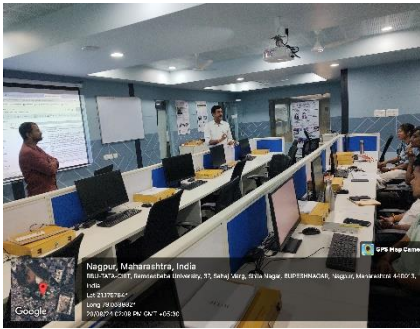


2] One day training program on “Solid Modeling 3D Printing & Scanning and Internet of Things (IoT)” was conducted on 22nd October 2024 for students of Bhavan’s Vidya Mandir School, Trimurti Nagar, Nagpur from 10.30 am –5.30 pm, held at RCOEM-TATA-CIIIT. A total 11 students participated and was coordinated by Dr. Alok Jha, Dr. Himanshu Shukla for the solid modeling 3D printing and Dr. Bhumika Neole for IoT and hands-on session by Mr. Shrikant Wankhede and Mr. Umendra Mukurane.

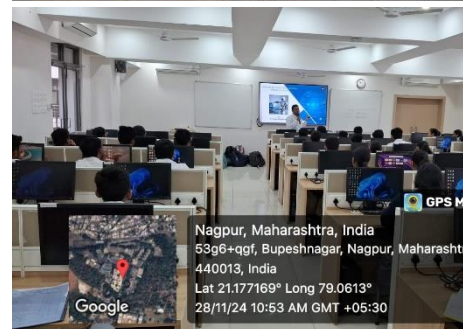




3] One Month training program on “Internet of Things (IoT) & Industry 4.0” was conducted from **20th Sep. to 26th Oct. 2024** for students of the Mechanical Engineering department of **Shri Ramdeobaba College of Engineering & Management, Nagpur**, from 2.00 pm to 6.00 pm, held at RCOEM-TATA-CIIT. A total of **22** students participated, and training was given by Mr. Manish Maurya, Director & Technical Head, Makxenia Engineering Resource Pvt Ltd. and Technical Assistant Mr. Umendra Mukurane.

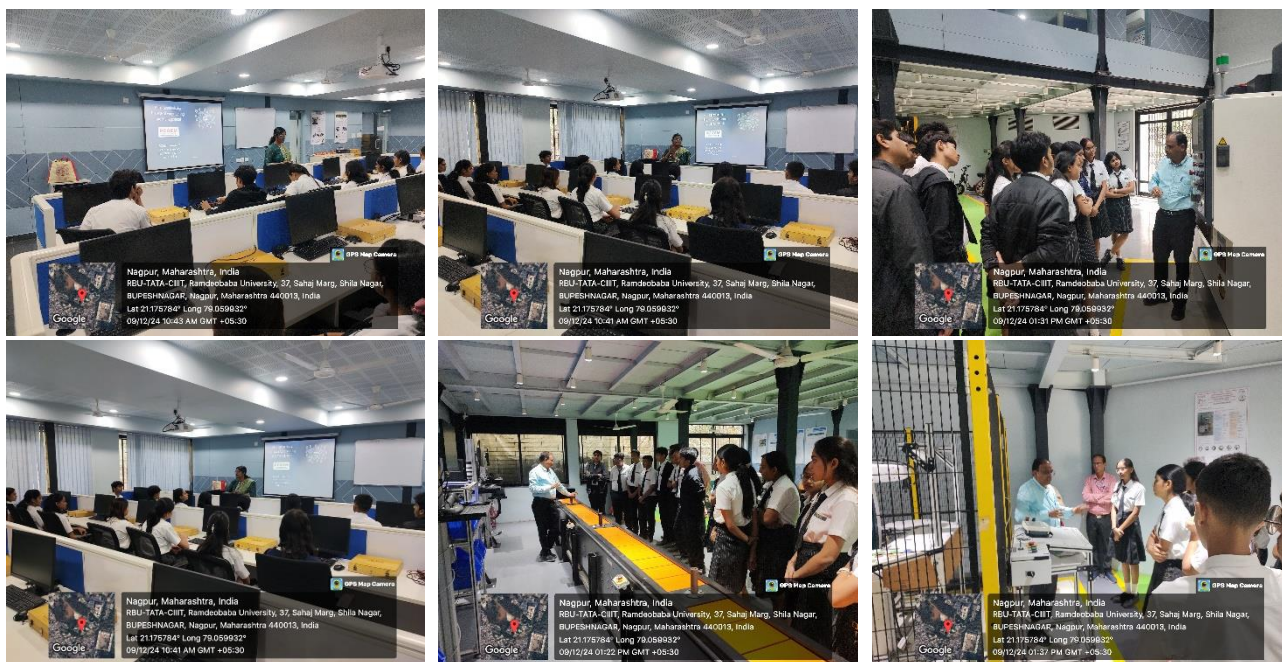


4] One day training program on “Artificial Intelligence & Machine Learning (AIML)” was conducted from **27th & 28th November 2024** for students of **Bhavan’s Vidya Mandir School, Koradi, Nagpur** from 10.30 am –5.30 pm, held at Digital Tower in association with the RCOEM-TATA-CIIT. A total **79** students participated, which was coordinated by Dr. Amit Pimpalkar for the Artificial Intelligence and Machine Learning and **Dr. Nisarg Gandhewar** has demonstrated and support staff, Mr. Rahul Srivas. The event was conducted by Dr. Y.M. Sonkhaskar and Dr. Nisarg Gandhewar, Dr. **Amit Pimpalkar**. 4-5 students gave encouraging feedback about the course.

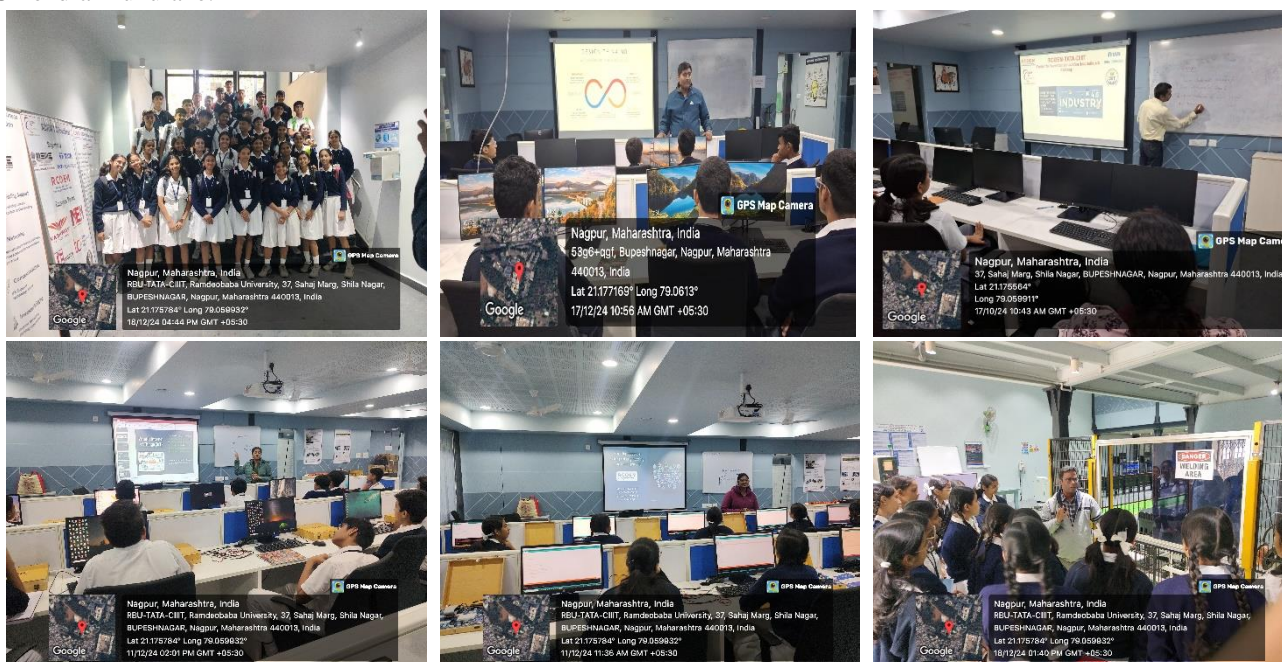


5] One day training program on “Solid Modeling 3D Printing & Scanning and Internet of Things (IoT)” was conducted on **09th December 2024** for students of **Bhavan’s Vidya Mandir School, Srikrishna Nagar, Nagpur** from 10.30 am –5.30 pm, held at RCOEM-TATA-CIIT. A total **21** students participated and was coordinated by Dr. Alok Jha,

Dr. Himanshu Shukla for the solid modeling 3D printing and Dr. Chithraja Rajan for the IoT and hands-on session by Mr. Shrikant Wankhede and Mr. Umendra Mukurane.



6] One day training program on “Solid Modeling 3D Printing & Scanning and Internet of Things (IoT)” was conducted on 11th, 17th, 18th, 23rd, 24th December 2024 and 2nd January 2025 for students of Bhavan’s Vidya Mandir School, Srikrishna Nagar, Nagpur from 10.30 am –5.30 pm, held at RCOEM-TATA-CIIT. A total 212 students participated and was coordinated by Dr. Alok Jha, Dr. Himanshu Shukla for the solid modeling 3D printing and Dr. Chithraja Rajan, Dr. Bhumika Neole, Dr. Shruti Nair for the IoT and hands-on session by Mr. Shrikant Wankhede and Mr. Umendra Mukurane.

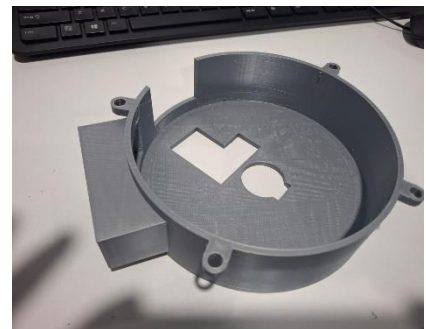


7] One day training program on “Artificial Intelligence & Machine Learning (AIML)” was conducted from 27th & 23rd December 2024 for students of Bhavan’s Vidya Mandir School, Ashti, Nagpur from 10.30 am –5.30 pm, held at Digital Tower in association with the RCOEM-TATA-CIIT. A total 42 students participated, which was coordinated by Dr. Amit Pimpalkar for the Artificial Intelligence and Machine Learning and Dr. Nisarg Gandhewar has demonstrated and support staff, Mr. Rahul srivas. The event was conducted by Dr. Y.M. Sonkhaskar and Dr. Nisarg Gandhewar, Dr. Amit Pimpalkar. 4-5 students gave encouraging feedback about the course.



[B] Consultancy & Project:

- **Mr. Yash Agrawal, Mr. Chetan Sonkusre, & Mr. Prajwal Thaware**, 4th Year Biomedical Engineering Students, printed 3D parts for the project of the **“Decision support system for eye disease recognition”** 3D software design model on **Oct. 8, 2024**.
- **Mr. Hardik K. Jagyasi & Team** from 2nd Year Mechanical Engineering Students printed 3D parts for the project through 3D software design model on **Oct. 10, 2024**.
- **Mr. Sarvesh Zade** from 4th Year EN Dept. Students printed 3D parts for the project using a 3D software design model on **Oct. 16, 2024**.
- **Mr. Aneesh Thakre** (Embedded Club Coordinator) from Electronics & Computer Science Engineering Students printed 3D parts for the project of the Techfest (Zonals) Competition Guide **Dr. Vishal Rathee** Club Incharge using a 3D software design model on **Oct. 19, 2024**.
- **Mr. Om Kamatkar** from 2nd Year ECS Dept. Students printed 3D parts for the project of the **IIT TechFest Bombay Competition** 3D software design model on **Oct. 17, 2024**.
- **Mr. Arjun Singh**, Captain, Team Trident Racing, from Mechanical Engineering Students, printed 3D parts for the **“Dashboard Printing”** 3D software design model on **Nov. 06, 2024**.
- **Mr. Ganesh Moroliya, Ms. Ishita Jaiswal & Team** from 4th Year ECE Dept. Students printed 3D parts for the project of the **“Pill Dispensing Medicine Assistant”** Guidance from Prof. V. S. Lande using 3D software design model on **Nov. 13, 2024**.
- **Mr. Utkarsh Mall** from the 1st Year Mechanical Dept. Students printed 3D parts for the project of the **“Tesla Coil”** using a 3D software design model on **Nov. 25, 2024**.
- **Mr. Ashwajeeth Wase & Team** from 4th Year AI Dept. from **Priyadarshini J L College of Engineering, Nandanvan, Nagpur**, printed 3D parts for the project of the **“Weather Station”** Guidance from Prof. Sakshi Jaiswal using a 3D software design model on **Dec. 17, 2024**.
- **Mr. Arjun Singh** Captain, Team Trident Racing from Mechanical Engineering Students, printed 3D parts for the **“Data Acquisition System”** with guidance from Dr. A K Jha using a 3D software design model on **Dec. 09, 2024**.
- **Mr. Chaitanya Hadge** from 3rd Year Mechanical Engineering Students printed 3D parts for the **“Robotics Arm”** using a 3D software design model on **Dec. 26, 2024**.

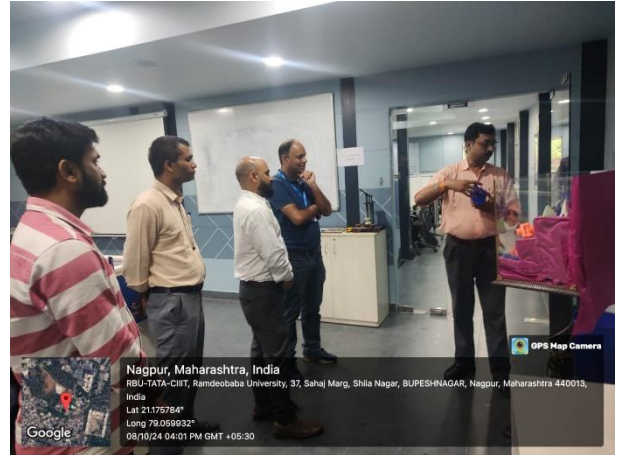




[C] Guest Lecture & lab Utilization:

- Utilization of Design Lab for the project by Shiwanjal Sorte, Aditya Kothiwade and team from 2nd year Mechanical Dept. on 1st Oct. to 3rd Oct. 2024.
- Utilization Design Lab for the project by shantanu Anantwar, Shloon Noding, Sanvi Tripathi and team from 2nd year AIML, CSE, ECE Dept. on 1st Oct. 2024.
- Utilization Design Lab for the project by Ashwin Khobragade, Aditya Kothiwade and team from 2nd year Mechanical Dept. on 8th-11th Oct. 2024.
- Utilization Design Lab for the project by Manthan Gabrani, Sawroop Jichkar and team from 1st, 2nd, 3rd year Mechanical Dept. on 21st, 23rd, 25th Oct. 2024.
- Utilization Design Lab for the project by Sarvesh Nagulwar, Shreya Hiwale from 4th year Industrial Dept. on 28th Oct. 2024.
- Utilization Design Lab for the project by Rajat Moon from 3rd year Mechanical Dept. on 6th Nov. 24 and 3rd -4th Dec. 2024.
- Utilization Design Lab for the project by Amogh Reogaonkar Vineet Shah and team from 4th year Mechanical Dept. on 16th Dec. 2024.
- Utilization on Laser Cutting & Engraving machine for the project by Rishi Pande, Aditya Tiwari and team from RAC Club guide Dr. Alok Jha on 4th Oct 2024.
- Utilization on Laser Cutting & Engraving machine for the project by Harsh Gechode & vaidehi Barve from Design & Development of Biosensors on 8th, 10th, 15th Oct. 2024.
- Utilization on Laser Cutting & Engraving machine for the project by kartikeyan Venkatesh, Advait Deshmukh from Automatic Mobile Robot on 28th Oct & 12th Nov. 2024.
- Utilization on Laser Cutting & Engraving machine for the project by Rishi Pande,
- Utilization of Design Lab for the Solid Modeling on Delmia & IoT for the 1st Year/1st sem Students of Mechanical Dept. on 19/10/2024.
- Utilization of IAM center for the Readers's Reverie Literary Club conduct shoot for the episode of reverie's Unplugged podcast at 19th December 2024.

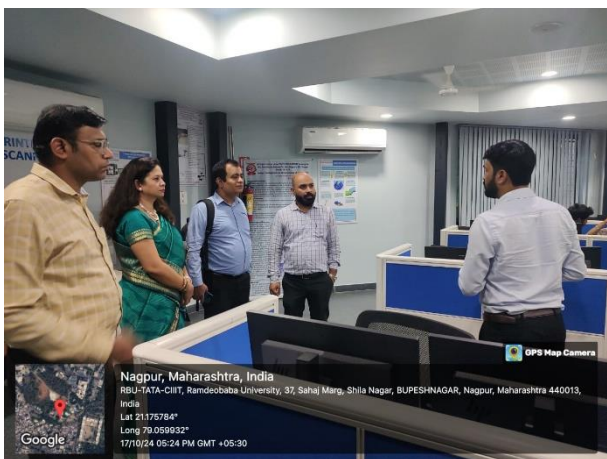
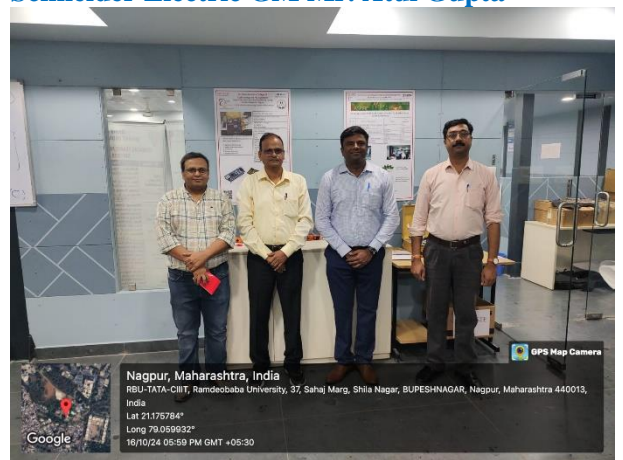
4] Visit of Eminent persons to RCOEM-TATA-CIIT:



Rahul Naidu from DCS



Schneider Electric GM Mr. Atul Gupta



Mr. shivanand Bristlecone





PCE Facilities from EN Dept.



Metlok Team



