REFLECTION
July-August-September 2024
RCOEM-TATA-CIIIT
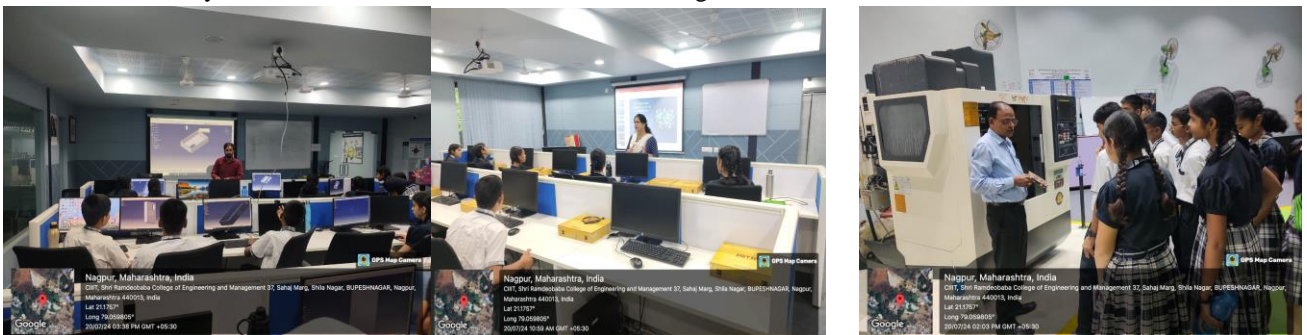## (Center for Invention Innovation Incubation & Training)

[A] Training Programs: -
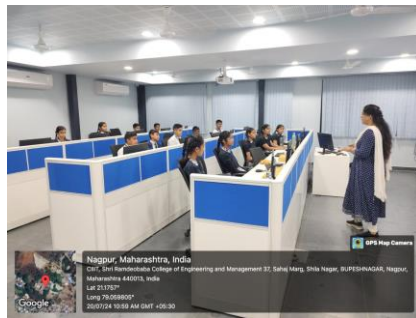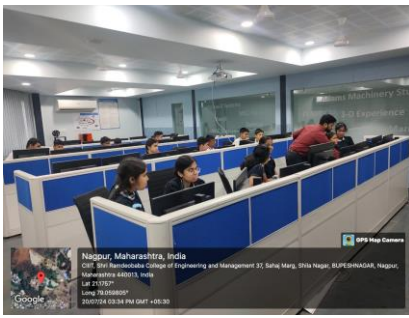
1] A **one-month internship** program on **"Internet of Things (IoT)"** was conducted from **June 3rd, 2024 to 13th July 2024**, for students of **Government Polytechnic, Gondia**, at RCOEM-TATA-CIIIT. The training was given by Dr. Chithraja Rajan and Dr. Bhumika Neole, Assistant Professors from the departments of CSE (AIML) and ECE, respectively. The **certificate distribution ceremony** was held on July 15th, 2024, at 3 p.m. The certificates were issued to all participant at the hands of **Dr. Rajesh Pande, Hon. VC of RBU, and Dr. Rupesh Pais, Director TBI** in the presence of Mrs. Gedam and Mrs. Padwekar, Faculty member from Govt. Poly. Gondia. 3 students gave encouraging feedback about the course.
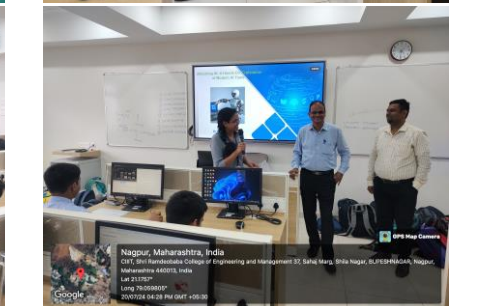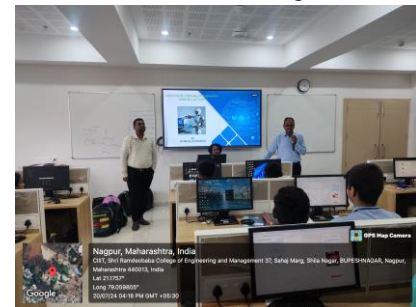

2] A **one-day training program** on **"Solid Modeling 3D Printing and Internet of Things (IoT)"** was conducted on **20th July 2024** for students of **Sandipani School, Nagpur**, from 10.30 am to 5.30 pm, held at RCOEM-TATA-CIIIT in association with the **Nagpur Sahodaya School Complex, Nagpur**. A total of **17** students participated in which training was given by Dr. A K Jha and Mr. Shrikant Wankhede on solid modeling and 3D printing, Dr. Bhumika Neole and a hands-on session by Mr. Umendra Mukurane on Internet of Things.
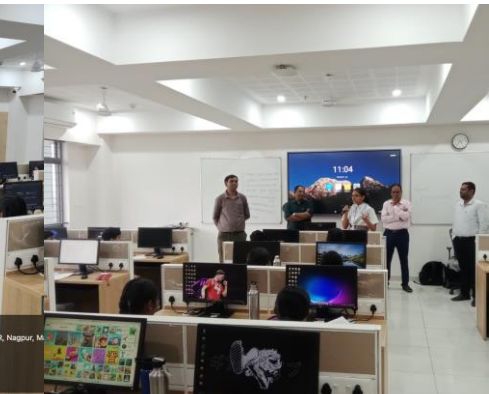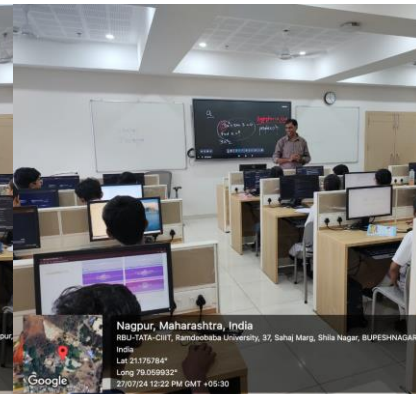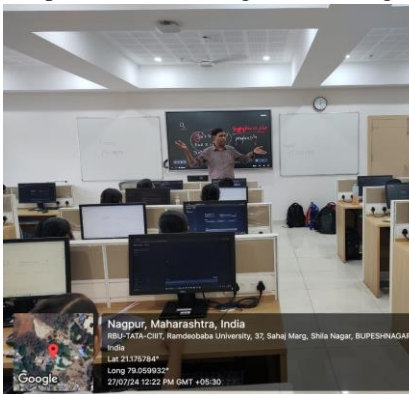
3] A **one-day training program** on **"Artificial Intelligence & Machine Learning (AIML)"** was conducted on **20th July 2024** for students of **Podar International School, Yavatmal**, from 10.30 am to 5.30 pm, held at Digital Tower in association with the RCOEM-TATA-CIIIT and **Nagpur Sahodaya School Complex, Nagpur**. A total of **40** students participated, which was coordinated by Dr. Nisarg Gandhewar for the Artificial Intelligence and Machine Learning and support staff, Mr. Rahul. The **certificate distribution ceremony** was held at 4.45 p.m. The certificates were issued to all the participants at the hands of **Dr. Urmila Shrawankar, Director of the School of CSE**. The event was conducted by Dr. Y.M. Sonkhaskar and Dr. Nisarg Gandhewar. Total 6 students gave encouraging feedback about the course.
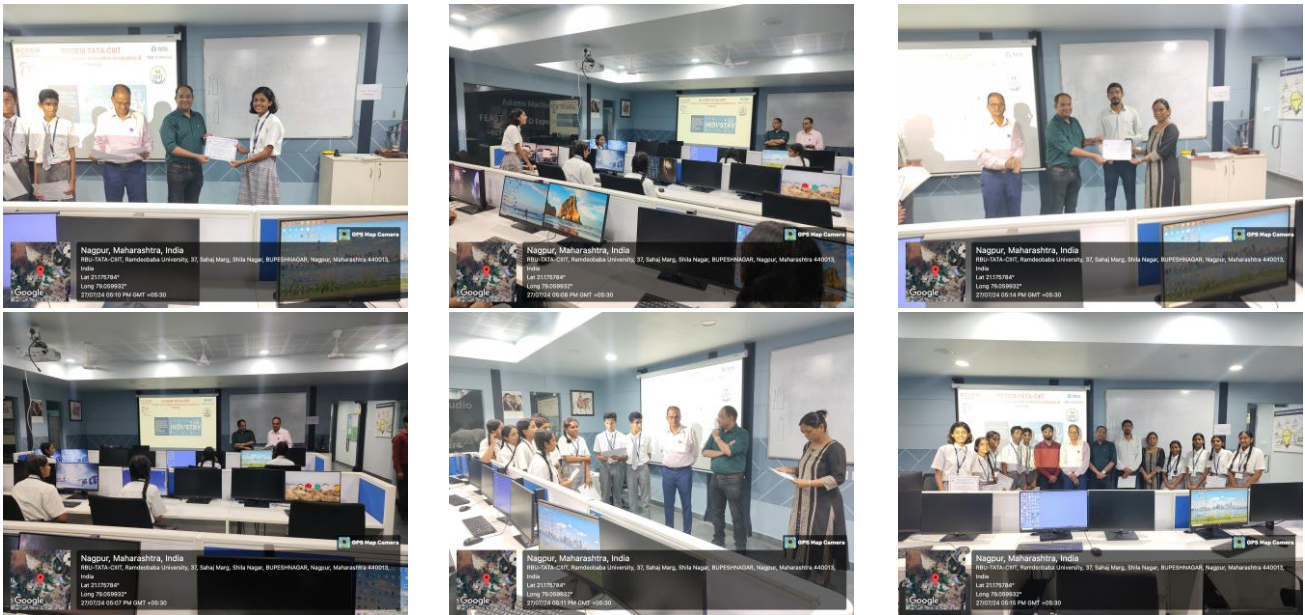

4] A **one-day training program** on **"Artificial Intelligence & Machine Learning (AIML)"** was conducted on **27th July 2024** for students of **Jindal Vidya Mandir, Kalmeshwar and Kids wolrd School, Nagpur**, from 10.30 am to 5.30 pm, held at Digital Tower in association with the RCOEM-TATA-CIIIT and **Nagpur Sahodaya School Complex, Nagpur**. A total of **32** 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. The **certificate distribution ceremony** was held at 5.00 p.m. The certificates were issued to all the participants at the hands of **Dr. Rupesh Pais, Director of TBI**. The event was conducted by Dr. Y.M. Sonkhaskar and Dr. Nisarg Gandhewar, Dr. Amit Pimpalkar. 4 students gave encouraging feedback about the course.
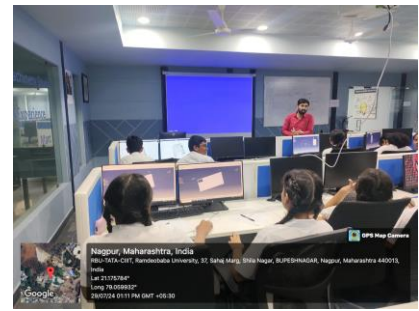
5] A **one-day training program** on **"Solid Modeling (Delmia V5)"** was conducted on **27th July 2024** for students of **Jindal Vidya Mandir, Kalmeshwar, Nagpur**, from 10.30 am to 5.30 pm, held at RCOEM-TATA-CIIIT in association with the **Nagpur Sahodaya School Complex, Nagpur**. A total of **09** students participated, in which training was given by Dr. Himanshu Shukla and Mr. Shrikant Wankhede. The **certificate distribution ceremony** was held at 5.00 p.m. The certificates were issued to all the participants at the hands of **Dr. Rupesh Pais, Director of TBI**. The event was conducted by Dr. Y.M. Sonkhaskar and Mr. Umendra Mukurne. 4-5 students gave encouraging feedback about the course.

6] One day training program on **"Solid Modeling 3D Printing & Scanning and Internet of Things (IoT)"** was conducted from 23rd to 29th July 2024 for students of **Bhavan's Vidya Mandir School, Ashti, Nagpur** from 10.30 am – 5.30 pm, held by RCOEM-TATA-CIIIT. A total **177** 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 and hands-on session by Mr. Shrikant Wankhede and Mr. Umendra Mukurane.
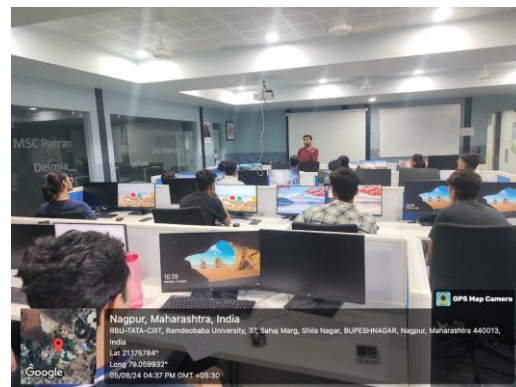
6] One Month training program on **"Mechatronics & Internet of Things (IoT)"** was conducted from 26th June to 06th August 2024 for students of the Mechanical Engineering department of **Shri Ramdeobaba College of Engineering & Management, Nagpur**, from 10.30 am to 5.30 pm, held by RCOEM-TATA-CIIIT. A total of 15th students participated, and training was given by Dr. Suresh Balpande, Dr. Chitrajan Rajan, and Technical Assistant Mr. Umendra Mukurane.
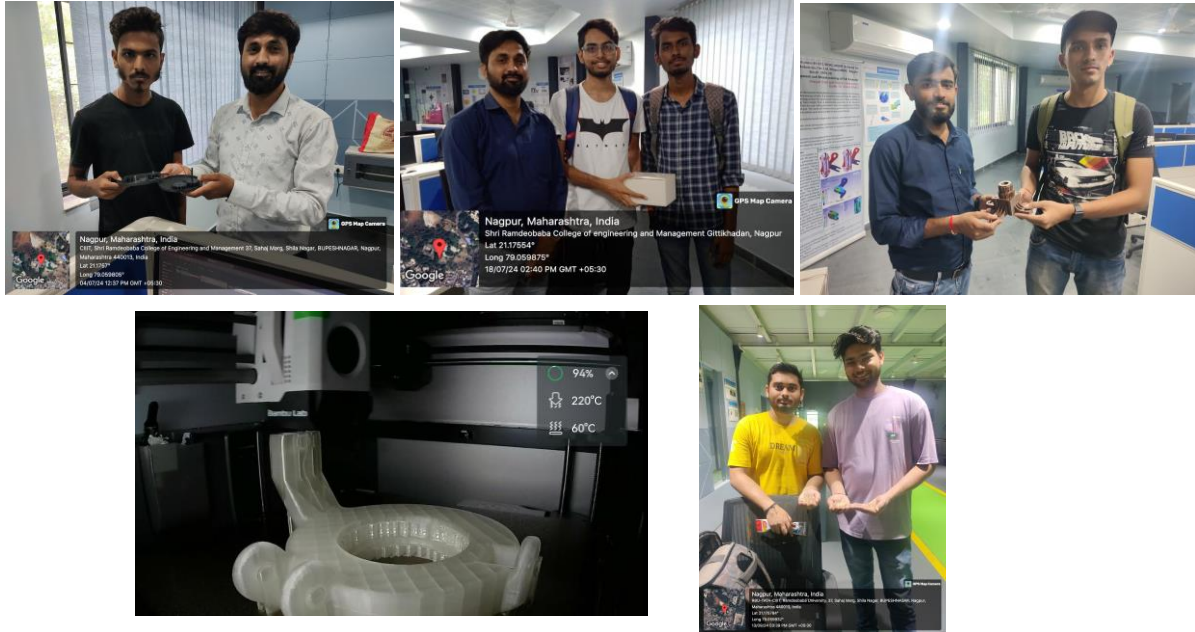

7] One month training program on **"Solid Modeling (Delmia V5) and Basic 3D Printing"** was conducted from 06th August to 27th September 2024 for **Mechanical Engineering** students of **Shri Ramdeobaba College of Engineering & Management, Nagpur**, held at RCOEM-TATA-CIIIT. A total of **09** students participated and training was given by Dr. A. K. Jha and Mr. Shrikant Wankhede.

[B] Consultancy & Project:

- **Dr. Suresh Balpande** Associate Professor (CSE-AIML Engineering Dept.) got 3D parts printed for his project on **July 12, 2024**.
- **Mr. Shabbir Rubberstampwala & Mr. Sameer Panname** (M. Tech) printed 3D parts for the project of the **"3D prints for pipe Surveillance robot"** 3D software design model on **July 4, 2024**.
- **Mr. Darshan Bapat** (Ph. D Scholar) printed 3D parts for the project of the **"Experimental study on Shaper Machine"** 3D software design model on **August 6, 2024**.
- **Mr. Apekshit Sonole** (M. Tech) printed 3D parts for the project & 3D software design model on **August 14, 2024**.
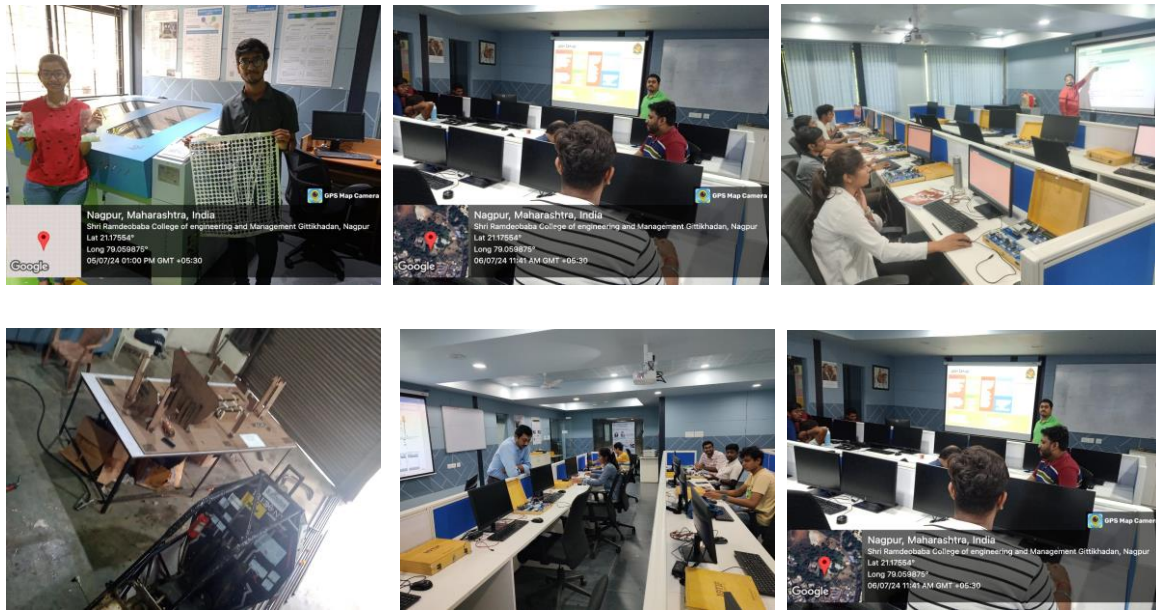

[C] Guest Lecture & lab Utilization:

- Utilization for the AIML course meeting for the RCOEM students on 13th July 2024.
- Utilization on the IoT lab for the Elective-III (Internet of things and Industry 4.0) of Mechanical Engg. Dept. students (4th Yr/7th Sem) during July to August 2024.
- Utilization on the Design Lab for the Machine Drawing & solid modelling software CAD of Mechanical Engg. Dept. students (2nd / 3rd Sem) on August 2024.
- Utilization on the Manufacturing Lab for the Laser Cutting & Engraving machine of Mechanical Engg. Dept. students (2nd / 3rd Sem) on August 2024.
- Utilization on the Design Lab for the FAB Lab of Mechanical Engg. Dept. students (2nd / 3th Sem) on September 2024.
- Guest Lecture on IoT (Internet of things) for the Mechanical Engg. Dept. through Makxenia Engg. Resource Pvt. Ltd. From 20/09/2024 to continence.
- Utilization on the Manufacturing Lab for the VMC (Vertical Machining Center) of Mechanical Engg. Dept. students (2nd / 3rd Sem) on August 2024.
- Utilization on Laser Cutting & Engraving machine for the project of AIML POCTD by Vani Kaushik and team guidance by Prof. Manish Bhaiya.
- Utilization on Laser Cutting & Engraving machine for the project by Rohan Dhote and team from RAC Club guide Dr. Alok Jha.
- Utilization on Laser Cutting & Engraving machine for the project by Gajendra Singh Mohite, Abhinav Katare and team from C.F.C Club guide Dr. Alok Jha.
- Utilization on Laser Cutting & Engraving machine for the project of "Design and Development of Bisensor" by Dr. Jitendra Zalke

- Ansh Yemprediwar & Team for Utilization on Ender 3 pro 3D printer for there Research facility for our ongoing project under the guidance of Dr. Vishal Shukla.
- Arjun Singh Captain Team Trident Racing utilization for the use of Ultimaker 3 extended printer also Laser cutting & Engraving machine for steering prototyping.
- Udisha Bala & Rawnak Pashine utilization for the project from the mechanical dept. 2yr.

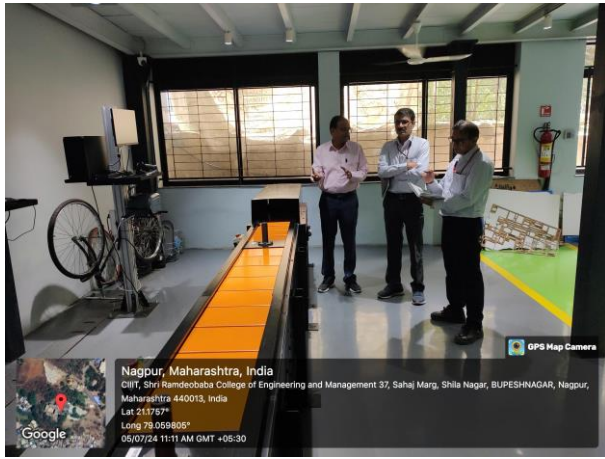**4] Visit of Eminent persons to RCOEM-TATA-CIIIT:**

Managers from BILT Chandrapur **Students of Karmanya school of Excellence, Butibori**

Visit of Kumbhare from YITM, Nagpur

Visit of First Year Students of RBU

Visit of First Year Students of RBU (AI & Robotics)

Saurabh Motiwala, Consultant, IFC
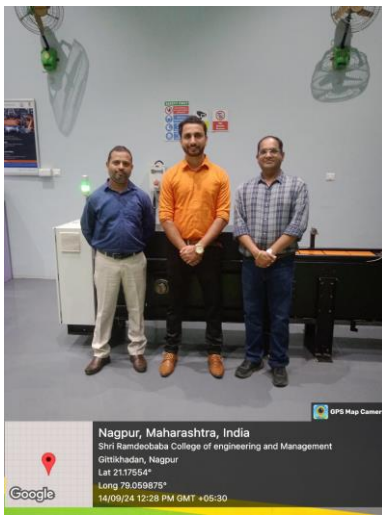
TCS Team

TCS Team

Mr. K.V Sarma (Vice President), Mr. Arvind Kumar TCS & 4 industry personnel

Mr. Mohit Thakur, iTIC IIT, Hyderabad

Dr. Mohan Fadke