

## SESSION 2021-22

### TEACHER'S DAY

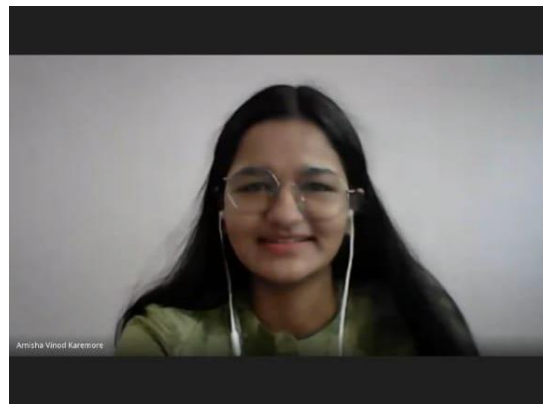
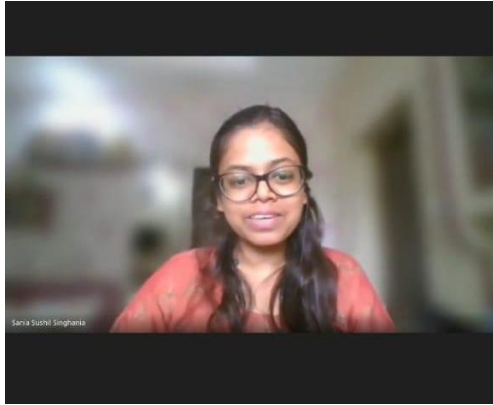
The 5th of September 2021 got off to a flying start. MECHASSO had organised Teacher's Day Celebration through a video conferencing application: Google Meet. The session began with an introduction from the MECHASSO committee.

The function was then followed by two enjoyable activities for the teachers. Kartik Patel (3<sup>rd</sup> Year Student) led the first activity, in which teachers were evenly placed into five groups. Each group was given a song, and the members had to guess the movie that the music was from, as well as continue the song so that all of the teachers could join in. Vidit Tambi (3<sup>rd</sup> Year Student) led the second exercise, which was an interactive game in which they were divided into three groups and given a random letter. They were to respond to 12 random questions using single words beginning with the allotted letter. Both games were well-received by the teachers, who demonstrated active engagement and enthusiasm. Surabhi Lakhe (3<sup>rd</sup> Year Student) then gave a dazzling dance performance.

Professors shared their nuggets of wisdom with students, which was followed by an entertaining speech by Dr. M. M. Gupta, Head of the Department of Mechanical Engineering. All the teachers sang old songs and shared memories with everyone present in the meet. Dr. P. S. Deole sang a Marathi song in her mesmerising voice.



The entire program was hosted by Sania Singhania (3<sup>rd</sup> Year Student) and the formal vote of thanks was delivered by Amisha Karemore (3<sup>rd</sup> Year Student). The event was very well enjoyed by all the faculty, staff and students of the department. The HOD and other faculty members congratulated Team MECHASSO for conducting the program very nicely.



## CHILDREN’S DAY CELEBRATIONS & AID TO ORPHANS AT BAL SADAN KATOL ROAD

Mechasso Celebrated Children’s Day on 14 th November 2021 with the inmates of Balsadan Orphanage, Katol Road, Nagpur. Students along with faculty members of the department distributed bag, stationary, sweets and clothes to the children of Balsadan. Cake cutting and distribution was done by the children. The students and faculty members interacted with the children and came to know about their aspirations. The children were happy with the interaction and Children’s Day celebrations.





## PRAJWALAN

On Thursday, December 2nd, 2021, at 11 a.m., the Department of Mechanical Engineering at Shri Ramdeobaba College of Engineering and Management held its induction event, 'Prajwalan 2021.' Prajwalan was held online through the video conferencing tool 'Google Meet' due to the present pandemic condition.

Every year, Prajwalan, an orientation session for the department's newcomers, is conducted. Prajwalan's major goal is to acquaint students with the Mechanical Engineering department's faculty, seniors, clubs, and overall operation so that they feel at ease as they enter a new world full of opportunity to study and grow.

Shri Ramdeobaba College of Engineering & Management, Nagpur

Department of Mechanical Engineering

Welcomes to

**ORIENTATION PROGRAMME**

**“PRAJWALAN”**

SHRI RAMDEOBABA SARVJALAN SARVE

SHARING THE EXPERIENCE

SECOND YEAR B.E. (12<sup>TH</sup> BATCH)

(2<sup>nd</sup> December, 2021)

**Vision**

Department of Mechanical Engineering aims to inculcate in students, a flair for excellence to become technological leaders in industry and society.

**Mission**

- To create the learning environment that stimulates students & faculty to enhance the knowledge in Mechanical Engineering.
- To prepare the students to carry out research intended to cater the needs of the industry and society.
- To march ahead with dedication, zeal and with a system responsive to the need of all the stakeholders.

The program was attended by the faculties and the 2<sup>nd</sup> year students of the Mechanical department. Dr. K.N. Agrawal, HOD, Mechanical Engineering Department, commenced the event by welcoming everyone and giving a brief overview of the department and its illustrious faculty members. With the use of a Power Point Presentation, he informed all of the students about the accomplishments and qualities of the department's faculty.

After that, Dr. S. S. Joshi discussed Mechanical Engineering and related subjects like as design, RAC, solar, agricultural, aerospace, and biomedical engineering. He persuaded everyone that mechanical engineering is the foundation of all engineering fields. Mechanical engineering is one of the most ancient engineering disciplines. The mechanical domain offers a plethora of possibilities, as well as a wide range of research and development opportunities.

Dr. Kamalishore N. Agrawal  
Professor & Head, Total Experience:-32 years

Area of Specialization : Financial Modeling, Thermal Engineering

- PhD on "Decision support system for behavioral prediction of industrial performance indicators".
- Published papers in 05 international and 3 National Journals
- Paper Presentation in 6 National Conferences
- Life Member IIE & ISTE
- Gold medalist in Govt. college of Engineering Amravati.
- Won 1<sup>st</sup> prize in project competition organized by Institute of Engineers.
- Chairman of Board of Studies (BOS) Mechanical Engineering RTMNU 2008-2005.
- Was instrumental in organizing Silver Jubilee Celebration 2009 at RCOEM.

Y. M. Sonbhadkar

RCOEM-TATA CIIT  
WELCOMES CIIT Team

TATA TECHNOLOGIES

CIIT

CENTER FOR INVENTION INNOVATION INCUBATION AND TRAINING

INDUSTRY 4.0

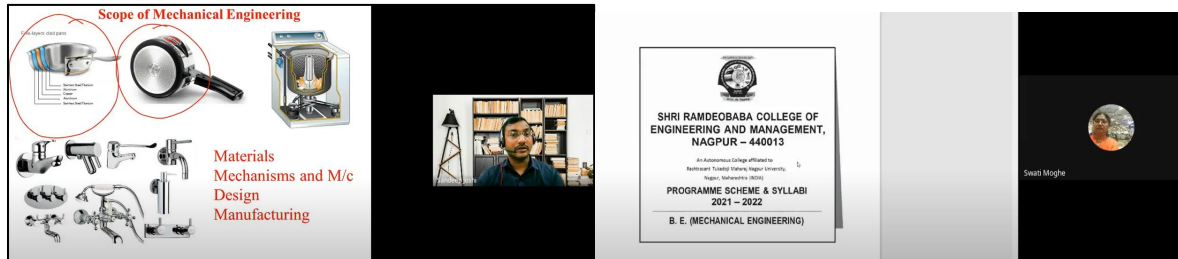
REALIZE EXPRESS ACHIEVE

ISHAL SHUKLA

RCOEM has created a state-of-the-art Center for Invention, Innovation, Incubation, and Training with the goal of facilitating student and industry professional innovation and skill development (CIIT). Dr.

V. V. Shukla, CIIT's in-charge, described the CIIT centre. He explained the latest technology and machines that had been installed at the facility to the students. RCOEM-TATA CIIT intends to expand industry-academic partnerships, increase technical education quality, and develop qualified workers to meet the region's existing and future industrial environment.

Dr. Swati Moghe gave the outline of the scheme and courses to be learnt throughout the course of Mechanical Engineering.



The Mechanical Engineering Department comprises a number of notable forums, organizations, and departments, which is something we are quite proud of. We have various clubs working under our department like SAE- Society of Automotive engineers, ISHRAE- Indian Society of Heating Refrigeration and Air Conditioning, Robotics club and Training and placement cell as well. MECHASSO i.e. the Mechanical Engineering Students Association is the student body of Mechanical department which is functional during various events that are organized throughout the year.

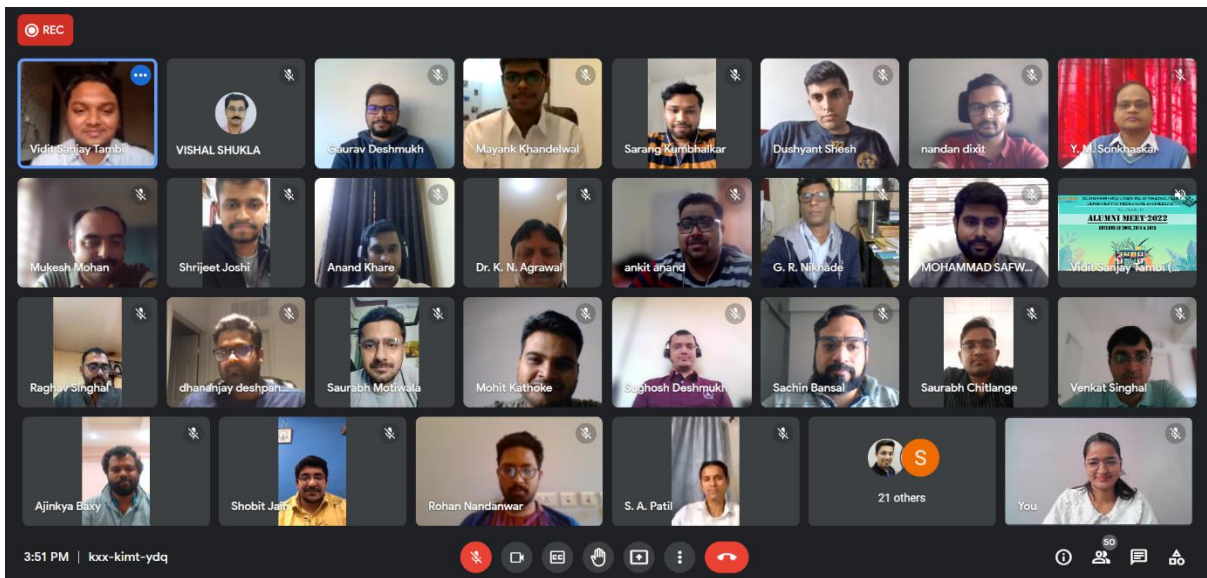
The program was hosted by Amisha Karemore, a third-year student under the guidance of Prof. N. P. Gudadhe and Dr. P. S. Deole, Faculty in-charge, MECHASSO. The session was both entertaining and educational. It introduced students to the Mechanical Department's many facilities and opportunities.

## Alumni Meet

Alumni are indirect ambassadors of every college and they are the ones who can guide the students to choose the right paths to shape and hone their careers. A virtual Alumni Meet was organized by Mechasso team and Dr. Y.M. Sonkhaskar, Dept Alumni coordinator, for 3 batches of 2013, 2014 and 2015 of Mechanical Engineering on 5th Feb. 2022. The Alumni told their experience from graduation till now, shared their journeys, and interacted with the students with absolute enthusiasm, and thus the meeting was fruitful.

The alumni who were present in the meet were: Dushyant Sesh (serving as staff pilot in Indian navy), Saurabh Motiwala (who is renewable energy consultant at international finance corporation world bank group), Sharad Kulhari (serving as pilot in Indian Air Force), Mohit Kathoke (Capital markets/BFSI senior consultant, Accenture strategy and consultant), Nandan Dikshit (Consultant at Cognizant consulting), Anand Khare (Senior executive at SGRE), Ankit Anand (delivery manager at Ernst and Young) and Gautam Singh (Manages business at Believers Academy).

The whole program was successfully hosted by Vidit Tambi (3<sup>rd</sup> year student) and Mayank Khandelwar (3<sup>rd</sup> year student). Formal Vote of thanks was expressed by Amisha Karemore (3<sup>rd</sup> year student).



## SESSION 2020-21

### Saraswati Pujan (Vasant Panchami)

On 16th Feb. 2021, department of Mechanical Engg, celebrated the day to worship Goddess Saraswati, the symbol of knowledge and wisdom. To mark the occasion, a special assembly was held on this day. Vasant Panchami is the time when people start giving the first lessons on education to their children. This custom is referred to as Vidyarambam and also known as Aksharabhyasam. Worshippers believe that without Saraswati the world would be shrouded in ignorance, as she is the one who represents enlightenment. Hence, Saraswati is worshipped on this day. Dr. Mahendra Gupta, Dr. G. R. Potey, Dr. (Mrs.) S. D. Moghe, Dr. Y. M. Sonkhaskar. Dr. G. R. Nikhade, Dr (Mrs.) P. S. Deole. Prof. Bhushan Bissa, Ph.d Scholar Pranjali Tete, Shri AKP Dixit, Shri Tayade from workshop, Mr. Sachin Kalidhar and Mr. Roshan Sarve were present for the Saraswati pujan.



## Teacher's day Celebration

Teacher's day 5th September 2020 started with a great gusto. The program kicked off with a medley of beautiful songs sung by 2nd year students. This was followed by a scintillating dance performance by Aalisha, a 2nd year student. Anubhav then tickled the funny bone with a humorous poem. The audience was then driven to peals of laughter by accurate mimicry of teaching styles of various professors.

Following this, three students sang the "Aye Khuda" which mesmerized the assembled crowd; a solemn recitation of a poem which was received in rapt attention; a breath-taking instrumental performance of violin and guitar; followed by an excellent piece of slam poetry. The professors shared their pearls of wisdom with students; this was concluded with an enrapturing speech by the Head of Department of Mechanical Engineering, Dr. M. M. Gupta. The formal vote of thanks was delivered by 2nd year student. The event was very well enjoyed by all the faculty, staff and students of the department.



## SESSION 2019-20

### VORTECHX 2020

The Department of Mechanical Engineering, RCOEM, Nagpur, hosts VORTECHX, a biannual technical festival. Team VORTECHX hosts a variety of amazing events and workshops, including Aeromodelling, an E-Mobility Workshop, and a variety of instructional workshops on CNC Machining, Industrial Fabrication and Additive Manufacturing technologies, among others. There are also several notable seminars and competitions based on formal presentation abilities and poster designing.

Major sponsors for VORTECHX 2020 were: Jaguar, TIME Institute, ASTRAL Informatics, Thinkin Culture, MIA, IIE, Institute of Engineers, House of Caffeine, MOIL.

Technical and non-technical webinars and competitions were offered to students from various colleges. Other than the technical seminars, some interesting fun activities like Gaming competitions, "Samvaad", open mic, etc. were also conducted. Around 750 students from more than 10 colleges from all over the district attended the grand technical fest-VORTECHX and made it a great success.

### Samvaad

"Listen to experience" - The tagline of the event itself speaks a lot. Samvaad was an evening that the college had never seen before. It was an event where four people accomplished in unconventional fields share their success stories with the audience and motivate them to follow their passion and do what their heart says rather than doing what the mass is doing. The four speakers were:

1. Mithilesh Vazalwar: A TEDx speaker who's one amongst the only 20 certified coffee Q graders in India. Also has a history of working in speciality coffee industries.
2. Lalit Vikamshi - He is the director of 'AlagAngle'. He is an Alag artist who has an Alag Angle and Alag perception to look at the world and who is bound to change your's as well.
3. Parvinder Singh - A technically flawless musician and drumsmith who is also well known for playing the handpan/ hang drum and tabla. Also instrumental in creation of 'Swaralay', a stringed percussion instrument.
4. Abhishek Jhavar - A talented singer - composer, India's Got Talent season 8 finalist, Guinness World Record holder and what not? This man sang the famous songs like Niyam Ho, Munna Badnaam Hua and contributed in KBC theme







## Nitrox

'If everything seems under control, you are just not going fast enough'.

Nitrox was an event for the racers to prove their knowledge, skills and themselves. It was a competition where the participant teams had to design IC-RC Nitro buggy which can race against other opponents on an off-road dirt track where 'every second counts'. The prize money was worth Rs. 3000





## Augmented Reality Industry 4.0

Ever wondered how does the popular Pokemon Go game works? Augmented reality is the technology behind it which is capable of doing a whole lotta cool stuff! Under Vortechx, a workshop was organised which was conducted by Dr. Rajesh Buktar, Dean Academics, Sardar Patel college of Engineering, Mumbai to make students aware about the AR applications and importance of Industry 4.0.

## Poster Presentation

Have research work in any field? Need opportunities to show your work? Poster presentation is the place. Under Vortechx 2020, an event was organised which provided perfect platform to showcase one's research ideas in front of esteemed panel of judges and also had prizes worth Rs. 1500.

## Workshop on CNC

Modern problems require modern solution and CNC is the only solution for all the traditional machining problems. A workshop was organised which gave introduction to world of industrial fabrication and also gave hands on experience on CNC lathe to give an edge over old age lathe machine and manual processing.



## Robo Arena

Another fun and interesting activity under Vortechx 2020 Robo Arena. In this, all the Bot makers had to show their metal by designing and fabricating a robot that is wired/ wireless I, manually controlled, can get past the sweeper-keeper and can withstand the constraints of time, speed and control which exciting prizes worth Rs. 6000.



## AEROMODELLING

VORTECHX organised the first ever Aeromodelling Competition in RCOEM! It was an amazing chance for all aeromodelling aspirants to showcase and develop their aeromodelling skills. Student teams from various colleges participated enthusiastically in this event and some of them were able to win the price money of Rs. 21000.





## FUTURE MOBILITY e-VEHICLE WORKSHOP

For all the car connoisseurs, team VORTECHX organised a seminar on “Future Mobility e-Vehicle” in association with SAEINDIA RCOEM COLLEGIATE CLUB. This seminar was all about the designing and fabrication of an electric vehicle. The main speaker of this seminar was Prof. Bhushan Bissa, Department of Mechanical Engineering, RCOEM, Nagpur. Students from various institutes participated in this 2-days workshop.



## **BOX CRICKET**

Cricket is a team sport that is practised with zeal all over the world.

Under the auspices of VORTECHX, box cricket, a smaller version of cricket, was organised. It drew a large number of students from colleges across the district. The goal was to encourage active involvement and familiarise everyone with the game, which was accomplished successfully. Prizes worth Rs. 2500 was rewarded.

## **Dunk it**

Our college promotes all sports activities with rigor, determination, and intensity, and adhering to that, Dunk it, a basketball competition was organized on 29th Feb 2020. This competition motivated students to show their team spirit and embrace the thrill on the court, encouraging them to showcase their basketball skills. The prize money was worth Rs.3700

## **Kaagaz**

Engineering colleges are not everything about science, but also art. And art takes many forms and embracing that very idea, Kaagaz was organized. It was an open mic inviting the underdogs of poetry, singing, standup comedy, and storytelling on 29th Feb 2020. Everybody was inspired by the treasure trove of talent that came forward and also enjoyed the evening very well.

## **ATMOGLACIER**

Atmogalcier, a one-of-a-kind event organised by ISHRAE, was introduced by Vortechx. The workshop covered the following topics-

- Basics of Refrigeration and Air Conditioning(RAC)
- Cooling Load Calculation and Ducting Design
- Advancements in RAC

It also included

- Lectures from ISHRAE Nagpur
- Hands on experience
- Field visit to Mother Dairy.

## Gaming

You are on the edge of your seat, all eyes glued to the screen, all controls in action and bam Winner Winner Chicken dinner

It's time to show your gaming roots. Vortechx organised a Lan gaming event which included popular and interesting game like Pubg, Counterstrike and FIFA with attractive prizes worth Rs. 1500

