



**Coming together is a beginning; keeping together is progress; working together is success.**

**– Henry Ford**

## ***FROM HOD's DESK***

*The year 2020 was like a nightmare to everyone. The whole world was stopped at that time. But, the 'Never Give Up' attitude of that engineer among us never let us to just sit down. During pandemic period, the faculty members conducted online lectures. Despite all the difficulties faced, they conducted all the lectures and tests required to secure the academics of our students. Not only academics, they also widen practical knowledge of them by conducting several webinars and online workshops. The students also took advantage of this pandemic by doing online courses, internships. Our Formula student teams were fighting with this situation. They worked on their public relation. In short, all of the students utilized this time for their future work.*

### **Editorial Board:**

**Prof. QUAZI T. Z. & Prof. SONI JAISWAL**

### **Vision of College**

To Become Centre of Excellence in Engineering Education & Research.

### **Mission of College**

To Educate Students to Become Quality Technocrats for taking up Challenges in all Facets of life.

### **Vision of Department**

To foster research based technical skills to satisfy the needs of society.

### **Mission of Department**

To develop highly competent technical manpower.

## **I. Programme Educational Objectives (PEO):**

- To create excellent Automobile Engineers with core competency in mathematics, science and engineering enabling development of problem-solving skills.
- To strengthen themselves professionally and personally to accept responsibilities and pursue higher education in engineering and other professional fields.
- To use modern tools and techniques necessary for mechanical engineering and allied disciplines leading to research and development.
- To inculcate the students to work effectively in cross-functional teams and cultivate the principles of professional ethics and social responsibilities.
- To develop the students adaptable to change in environment and application of appropriate methodology for value addition to support economic growth.

## **II. Programme Outcome (PO):**

At the end of the program, students will be able to....

- Apply knowledge of Mathematics, Science and fundamental of Automobile Engineering.
- Design and conduct experiments, as well as to analyze and interpret the data.
- Use of techniques, skills and modern engineering tools necessary for engineering practice.
- Identify, formulate and solve engineering problems
- Commitment to professional, social and ethical responsibility to function effectively as a team leader in engineering practices.
- Inculcate self-discipline, self-confidence and to make the students internally driven to set personal goals.
- Engage in life-long learning in order to maintain sustainable development even during the crisis.
- Solve the contemporary issues with broad understanding of the impact of engineering and technology on society
- Understand environmental and contemporary issues.
- Possess the skills to communicate effectively with a wide range of both engineering and non-engineering community.
- Apply knowledge of management principles to handle projects in multidisciplinary environment and work as a team and as an individual effectively.

## **III. Programme (PSO)**

- Identify, Understand, Formulate, and analyze complex engineering problems in Automobile, design, thermal and manufacturing.
- Plan and execute efficient, sustainable, safe and cost-effective manufacturing of automobile components in ICE, AS, CBE through CAD/CAM/CAE tools ethical.

## Department Events

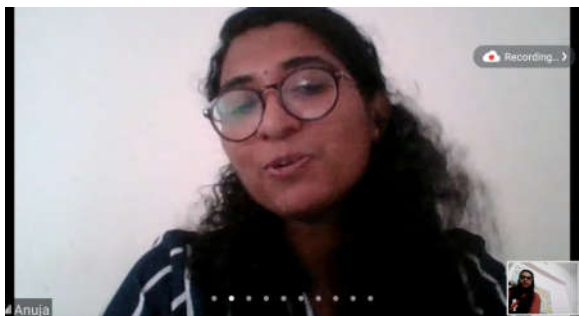
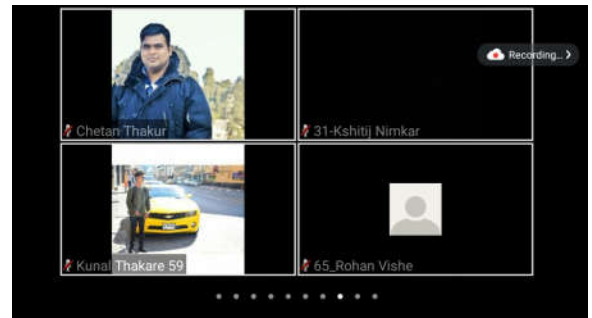
### 1. Mental Health and Meditation

#### Program:

Mental health and meditation program which held on Friday 7 August 2020 during 4 to 5 pm via zoom platform for All classes of automobile department.

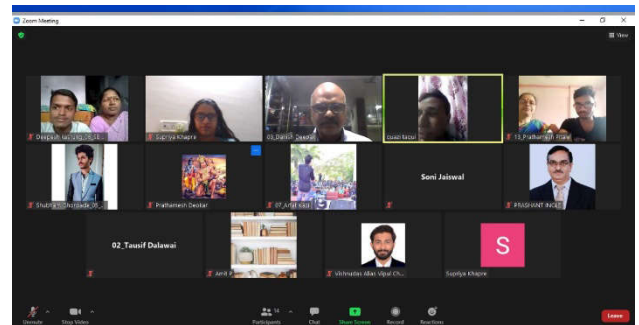
#### Summary of Program:

- 1) Welcome by program coordinator also given introduction of speaker
  - 2) Anuja mam please talked about Distraction with lots of examples
  - 3) Namita mam played clap game, story and concluded with state of mind
  - 4) Mansi mam took yoga related to immunity booster also explained it.
  - 5) Namita mam took pranayam and meditation for mental relaxation.
  - 6) vote of thanks given in behalf of all automobile dept by Prof. Supriya Pramod Khapre.
- Glimpse of Program were attached with this report kindly go through it.

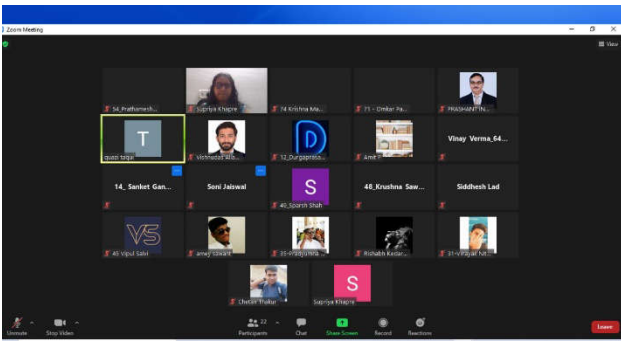


### 2. PTM Meeting :

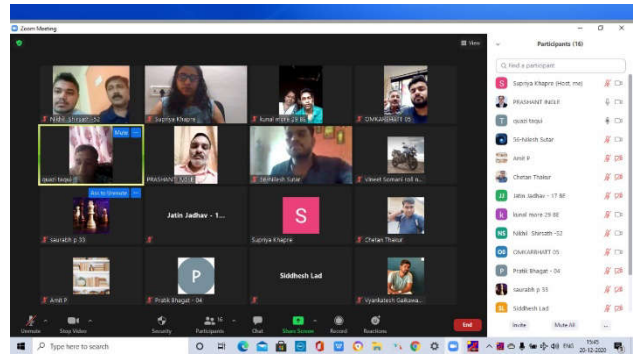
Parents Teachers Meeting was Held on 20<sup>th</sup> December 2020.



Second Year



Third Year



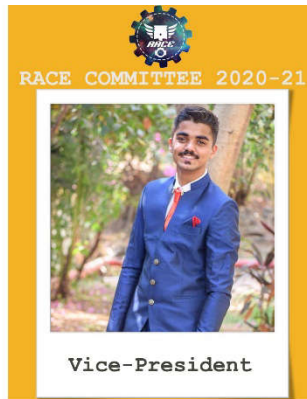
Fourth Year

## Students Achievement

### RACE Committee Members



Kirankumar Chittapur



Karan Palkar



Abhishek Jamnare



Govind Sah



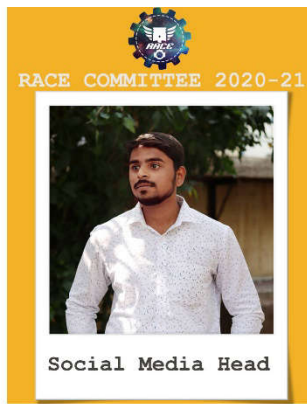
Karan Patil



Kunal More



Vedant Bhoir



Pratik Tatkare



Akash Nanaware



Siddharth Rahate



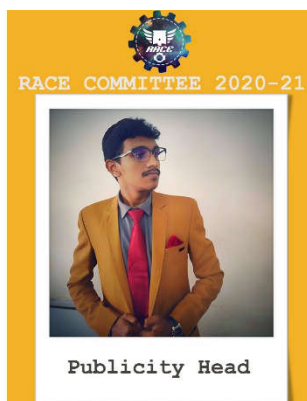
Rohit Shirudkar



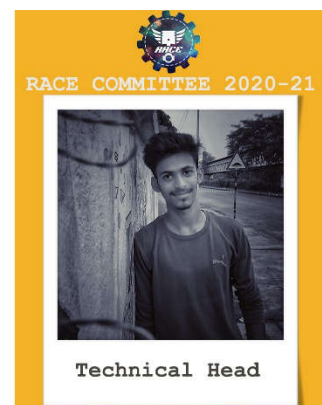
Siddhesh Adavade



Adwait Kshirsagar



Pradyumna Patil



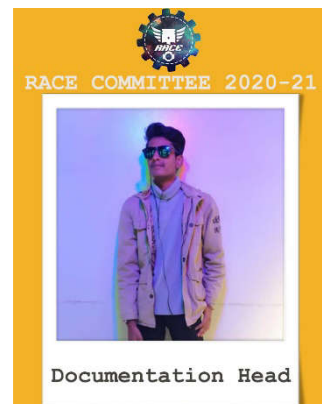
Jayesh Patil



Yash Mestri



Abhijit Salunkhe



Sahil Londhe

### Student Internship 2020 – 21

Sr No	Academic Year	Name Of Student	Name Of Organisation
1	2020-21	Omkar Bhosale	HM Motors
2	2020-21	Omkar Bhosale	Maruti Suzuki
3	2020-21	Omkar Bhosale	FX Auto
4	2020-21	Vineet Somani	Experts Hub
5	2020-21	Aditya Dhanawade	Decibels LTD.
6	2020-21	Sparsh Shah	Decibels Lab Pvt. Ltd.
7	2020-21	Vinayak Nitnavare	TATA Steel

### Student Placement 2020 – 21

Sr No	Academic Year	Name Of Student	Name Of Organisation
1	2020-21	Pratik Vijay Zaware	Capgemini
2	2020-21	Siddhaya Chandrakant Narvekar	Capgemini
3	2020-21	Himanshu Thakker	Extramarks Education India Pvt. Ltd.
4	2020-21	Tahikar Nihal Tulsiram	ISKCON
5	2020-21	AMIT RATNAKANT SHELAR	TATA Strive, Mumbai
6	2020-21	Sanil Vilas Pawar	Sai Auto Hyundai, Kandivali
7	2020-21	Moiz Patel	Reform Fitness
8	2020-21	Guruprasad Shrikrishna Shetye	Carraro Technology, pune
9	2020-21	Gaurav Mane	Government Employee
10	2020-21	Ritesh Rajaram Sukam	Academic And Educational Organizations
11	2020-21	Tushal Vhanmane	Carraro Technology
12	2020-21	Shubham Balshankar Pednekar	Priyanka TVS, Kharghar
13	2020-21	Ajay Gupta	Elevation, Pune
14	2020-21	Tushar Shrikant Sargar	Aapaji Enterprises
15	2020-21	Shaikh Mohammed Ibaad Taqi	YC Design
16	2020-21	Omkar Rane	Blauplug Innovations

17	2020-21	Karan Chalke	Blauplug Innovations
18	2020-21	Pranay Rajendra Patil	Meesho
19	2020-21	Krishna Kashid	Auto Cadd, Kharghar
20	2020-21	Abhishek Pawar	Hansa City Bus Service Pvt. Ltd.

### Automobile Publications 2020 – 21

Sr No	Title	Journal Name	Volume, Issue, Year	URL
1	A Reduction in Steering Effort for F9 Vehicle	Journal of Automobile Engineering and Applications	Vol 7, No 2 (2020)	<a href="http://engineeringjournals.stmjournals.in/index.php/JoAEA/article/view/4351">http://engineeringjournals.stmjournals.in/index.php/JoAEA/article/view/4351</a>
2	A Research paper on Design analysis and Manufacturing of Bodyworks	International Journal of Manufacturing and Materials Processing	Vol 6, No 1 (2020)	<a href="http://mechanical.journalspub.info/index.php?journal=IJMS&amp;page=article&amp;op=view&amp;path%5B%5D=1104">http://mechanical.journalspub.info/index.php?journal=IJMS&amp;page=article&amp;op=view&amp;path%5B%5D=1104</a>
3	BRAKING SYSTEM OF GO-KART	Trends in Machine Design	Vol 7, No 2 (2020)	<a href="http://engineeringjournals.stmjournals.in/index.php/TMD/article/view/4384">http://engineeringjournals.stmjournals.in/index.php/TMD/article/view/4384</a>
4	Improving the Brake Efficiency of Racing Vehicle	Journal of Automobile Engineering and Applications	Vol 7, No 2 (2020)	<a href="http://engineeringjournals.stmjournals.in/index.php/JoAEA/article/view/4352">http://engineeringjournals.stmjournals.in/index.php/JoAEA/article/view/4352</a>
5	PLASTIC SLATTED PLATE AND CONVEYOR BELT	Trends in Machine Design	Vol 7, No 2 (2020)	<a href="http://engineeringjournals.stmjournals.in/index.php/TMD/article/view/4385">http://engineeringjournals.stmjournals.in/index.php/TMD/article/view/4385</a>
6	SIDE CART MULTIPURPOSE BIKE AMBULANCE	Journal of Automobile Engineering and Applications	Vol 7, No 2 (2020)	<a href="http://engineeringjournals.stmjournals.in/index.php/JoAEA/article/view/4353">http://engineeringjournals.stmjournals.in/index.php/JoAEA/article/view/4353</a>
7	Recent Development on Electric Vehicle	Journal of Mechatronics and Automation	Vol 7, No 2 (2020)	<a href="http://engineeringjournals.stmjournals.in/index.php/JoMA/article/view/4400">http://engineeringjournals.stmjournals.in/index.php/JoMA/article/view/4400</a>
8	CONTINUOUS TRACK CHAIR FOR DISABLED PERSON	Trends in Machine Design	Vol 7, No 2 (2020)	<a href="http://engineeringjournals.stmjournals.in/index.php/TMD/article/view/4386">http://engineeringjournals.stmjournals.in/index.php/TMD/article/view/4386</a>
9	CRYOGENICS	Journal of Refrigeration, Air Conditioning, Heating	Vol 7, No 2 (2020)	<a href="http://techjournals.stmjournals.in/index.php/JoRACHV/article/view/1011">http://techjournals.stmjournals.in/index.php/JoRACHV/article/view/1011</a>



		and Ventilation		
10	Modular Interior Design for An Ambulance	Journal of Automobile Engineering and Applications	Vol 7, No 2 (2020)	<a href="http://engineeringjournals.stmjournals.in/index.php/JoAEA/article/view/4355">http://engineeringjournals.stmjournals.in/index.php/JoAEA/article/view/4355</a>
11	LIFESAVER, Modified Version of An Ambulance	Journal of Automobile Engineering and Applications	Vol 7, No 2 (2020)	<a href="http://engineeringjournals.stmjournals.in/index.php/JoAEA/article/view/4356">http://engineeringjournals.stmjournals.in/index.php/JoAEA/article/view/4356</a>
12	Water Modelling of Gating System	Journal of Experimental & Applied Mechanics	Vol 11, No 2 (2020)	<a href="http://engineeringjournals.stmjournals.in/index.php/JoEAM/article/view/4365">http://engineeringjournals.stmjournals.in/index.php/JoEAM/article/view/4365</a>
13	Design & Development of Stretcher Cum Wheelchair	Trends in Machine Design	Vol 7, No 2 (2020)	<a href="http://engineeringjournals.stmjournals.in/index.php/TMD/article/view/4387">http://engineeringjournals.stmjournals.in/index.php/TMD/article/view/4387</a>
14	Design Optimization of Bike Washing Plant	Trends in Mechanical Engineering & Technology	Vol 10, No 3 (2020)	
15	ADVANCED JIG SAW MACHINE	Trends in Machine Design	Vol 7, No 2 (2020)	<a href="http://engineeringjournals.stmjournals.in/index.php/TMD/article/view/4388">http://engineeringjournals.stmjournals.in/index.php/TMD/article/view/4388</a>
16	OPTIMIZATION OF PROCESS PARAMETER IN ELECTRICAL DISCHARGE MACHINING	Journal of Experimental & Applied Mechanics	Vol 11, No 2 (2020)	<a href="http://engineeringjournals.stmjournals.in/index.php/JoEAM/article/view/4368">http://engineeringjournals.stmjournals.in/index.php/JoEAM/article/view/4368</a>