

MANJARA CHARITABLE TRUST
RAJIV GANDHI INSTITUTE OF TECHNOLOGY, MUMBAI

Permanently Affiliated to University of Mumbai)
DEPARTMENT OF MECHANICAL ENGINEERING
(NBA- Accredited UG Program)

TEAM RGIT RACING

The purpose of TEAM RGIT RACING - student Chapter at Rajiv Gandhi Institute of technology, Mumbai - To enhance the knowledge base of members who are mobility practitioners. To provide to its members access to SAE International programs and services globally enabling them to practice world class standard in productivity and quality. Its area of focus is Automotive, Automobile, Aerospace and Commercial Vehicle.



SAE International is a professional organisation and has over 138,000 global members. Aside from its standardization efforts, SAE International also devotes resources to projects and programs in STEM education, professional certification, and collegiate design competitions.

SAEINDIA is membership organization Founded in 1994 and in 2003 SAEINDIA became an Affiliate of SAE International. Today the President of SAEINDIA is Dr. R.K. Malhotra and has a membership count of more than 40,000 members around India.

Website TEAM RGIT RACING: <https://www.teamrgitracing.com/>

Website SAE INTERNATIONAL: <http://www.sae.org/>

Website SAEINDIA: <http://www.saeindia.org/>

Team RGIT Racing's Faculty Advisers: Prof. S. D. Gaikwad and Prof. Nikhil. V. Sarojini

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FORMULA BHARAT 2022.

Team RGIT Racing participated in the Formula Bharat competition (Electric Vehicle category) from 20th Jan 2022 to 25th Jan 2022 hosted by Curiosum Tech. The competition was held at KARI MOTORS SPEEDWAY, COIMBATORE.

Accomplishments at Formula Bharat 2022.

1. Overall Rank – 11th.
2. Engineering Design Score – 85.7.
3. Business Plan Score – 53.63.
4. Cost & Manufacturing Score – 48.67.

**RESULTS CERTIFICATE
FORMULA BHARAT 2022 [FB 2022]**

AUTHORIZED BY

Crystal Furtado
Crystal Furtado
Program Manager
Curiosum Tech Private Limited

Cathy D'Souza
Cathy D'Souza
Director
Curiosum Tech Private Limited

This certificate is being presented to

**E16 - Team RGIT Racing Electric
MCT's Rajiv Gandhi Institute Of Technology**

Business Plan (75)	53.63	Acceleration (75)	-	OVERALL (1000)	187.99
Engineering Design (150)	85.7	Skidpad (75)	-	RANK	11
Cost & Manufacturing (100)	48.67	Autocross (100)	-	Electric	
OVERALL PENALTIES	0	Endurance (325)	-		
		Efficiency (100)	-		

POWERED BY

MathWorks

ZUKEN

ATHER

HOSTED BY

CURIOSUM TECH

Red Bull GOM BOSCH micelio PRAVAIG COEXLION fabheads

BARCODE: FB2022R0027

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FSAE INTERNATIONAL QUIZ.

- Team RGIT Racing participates in various international quizzes every year. It helps the member for better understanding and application of the knowledge they learn from the team.
- The Quizzes include Formula Student Germany (FSG), FS Switzerland, FS East, FS Austria and FS Netherlands.

RECRUITMENT DRIVE 2022.

Recruitment drive was conducted by Team RGIT Racing in the month of February 22 and March 22. Students from F.E and S.E were recruited in the team through the process of interview.

TEAM TRAINING PROGRAM (TTP).

After completing the recruitment drive, team conducted a team training program for the new recruits to give them the basic understanding about the FSAE Vehicle.

Every subsystem member explains and give details about their system to new recruits. After getting basics of all system new recruits select the system to work on according to their choice.

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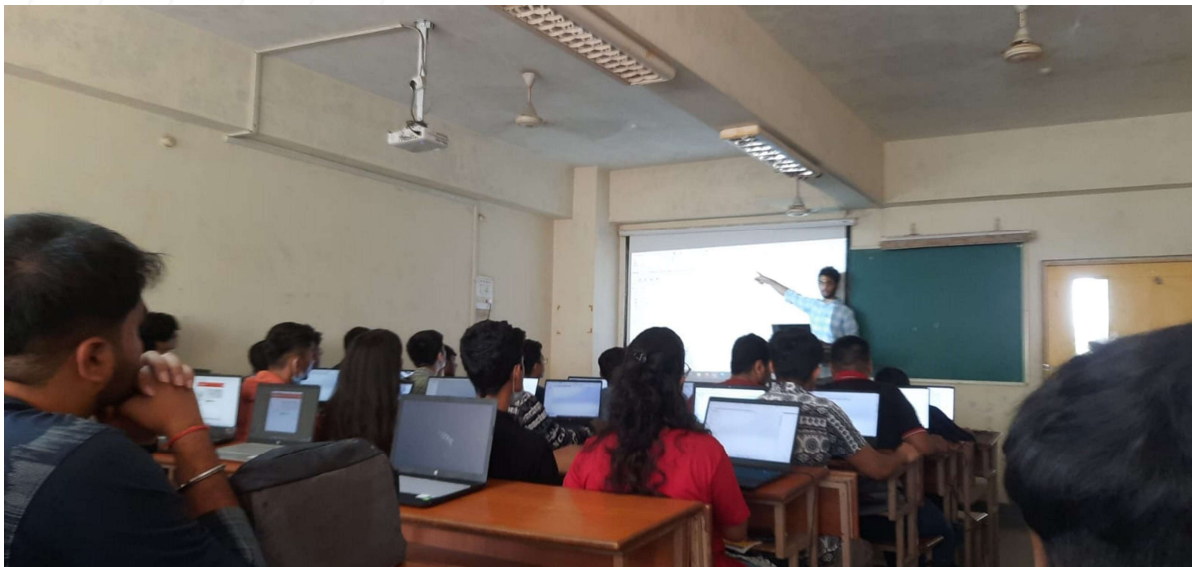


SOLIDWORKS WORKSHOP.

Team RGIT Racing in collaboration with ASME RGIT conducted a 3-day workshop on SOLIDWORKS from 28th March 2022 till 30th March 2022.

Basics of SolidWorks were taught to the participants by Mr. Vinayak Bhat (SAE captain 2022).

The Workshop was followed by Q&A session where all the doubts related to SolidWorks were solved.



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STUDY ABROAD SEMINAR.

Team RGIT Racing in association with **IDP EDUCATION** conducted a seminar on studying abroad on 13th April 2022 in the seminar hall of college. Around 100 students attended the seminar. The seminar was followed by a Q&A session where students doubts were solved.



FORMULA BHARAT 2023 REGISTRATION QUIZ.

Formula Bharat conducted a registration quiz for all the teams wanting to participate in Formula Bharat 2023 competition. Only 15 slots were available for the teams to participate in electric vehicle category. 5 slots were already allotted to the teams ranked in top 5 of previous year competition.

We successfully completed quiz in first attempt and took around 6 mins to complete the quiz. We secured 8th rank in the quiz and got E13 as car number. By completing this quiz, we are now officially registered for Formula Bharat 2023 on site competition.

CLASS 2

CAR#	TEAM NAME	INSTITUTION NAME	STATE
E01	Team Kratos Racing Electric	Pimpri Chinchwad College of Engineering	Maharashtra
E02	IIT Bombay Racing	Indian Institute of Technology Bombay	Maharashtra
E03	Raftar Formula Racing Electric	Indian Institute of Technology Madras	Tamil Nadu
E04	Inspired Karters Electric	Birla Institute of Technology and Science, Pilani	Rajasthan
E05	Team Chimera	R V College of Engineering	Karnataka
E06	Formula Manipal Electric	Manipal Academy of Higher Education	Karnataka
E07	Team Defianz Racing Electric	Delhi Technological University	Delhi
E08	SPCE Racing Electric	Sardar Patel College of Engineering, Mumbai	Maharashtra
E09	Team Roadrunner Electric	National Institute of Technology Rourkela	Odisha
E10	CRCE Formula Racing Electric	Fr. Conceicao Rodrigues College of Engineering	Maharashtra
E11	Acceleracers Electric	Dr. Vishwanath Karad MIT World Peace University	Maharashtra
E12	DJS Racing Electric	Dwarkadas J. Sanghvi College of Engineering	Maharashtra
E13	Team RGIT Racing Electric	MCT's Rajiv Gandhi Institute Of Technology	Maharashtra
E14	Team Ojas Racing	VIT Vellore	Tamil Nadu
E15	Team Octane Racing Electric	College of Engineering, Pune	Maharashtra

FORMULA BHARAT 2023.

Formula Bharat 2022:

About the competition: - Formula Bharat is an Engineering Design competition focused towards developing a Race car which complies with strict rules and regulations laid by Formula SAE (FSAE). Teams design, fabricate, test, and develop a Formula style race car and are judged on engineering design, Cost, and business viability of the car.

Current Progress

The work for the upcoming competition began in February 2022. We have completed and finalized our design. Now we are planning for procuring components such as Cells, Motor, material stock, etc. After finishing the procurement process the team will be moving into manufacturing phase.