

NEWSLETTER



FROM HOD'S DESK

It gives me immense pleasure to lead the department of Automobile Engineering. We proudly present the Newsletter Vol.15 (July 2022 - Dec2022) of 'Automobile Newsletter'. The department preserves its achievements and publishes all its activities by Automobile Newsletter. During this 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 four students. We are actively involved in knowledge enhancement of students through project-based learning and organising online technical events. The faculty members are encouraged to publish research papers in reputed journals, participate in Faculty Development Program and workshop through a well-supported system. The prime motive of the newsletter is to highlight the achievements of students and faculty in academics and to highlight departmental events. I hope that this newsletter will serve the purpose of reflecting all activities of the department and it will inspire others to do their best.

Editorial Board:

Prof. T.Z. Quazi Prof. Namrata.J. Bhokare

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 embed a strong foundation in Automobile Engineering fundamentals to Identify, Solve, Analyze and design real time engineering problems as a professional and entrepreneur for benefits of society.
- To motivate and prepare students for life long learning and research to manifest global competence.
- To equip students with communication team work, leadership skill to accept challenges in all facet of life ethically.

II. Programme Outcome (PO):

- Apply knowledge of Mathematics, Science, Engineering fundamentals to solve complex Automobile Engineering problems.
- Identify, formulate & analyze Automobile Engineering problems in order to reach substantial conclusion using laws of engineering science.
- Able to investigate complex automobile problems and find appropriate solution leading to valid conclusion.
- Design automobile system, components, process to meet specified needs with appropriate attention to health, safety,

standards, economy, environmental, social considerations.

- Create, select, apply appropriate techniques resources and advanced engineering and software tools necessary to analyze and design automobile engineering problems.
- Understand the impact of automobile engineering solution on society and environment for sustainable development.
- Understand society, health, safety, legal and cultural issues and responsibilities relevant to engineering profession.
- Apply professional ethics, accountability and equity in engineering profession.
- Able to work in multidisciplinary team and leader for common goals.
- Communicate effectively within profession and society at large
- Able to appropriate incorporate principles of management and finance in one's own work.
- Identify educational needs and engage in life long learning in a changing world of technology.

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 ethically

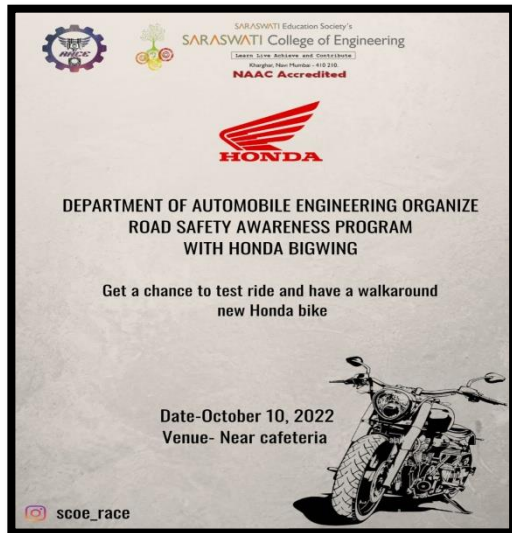
DEPARTMENT EVENT



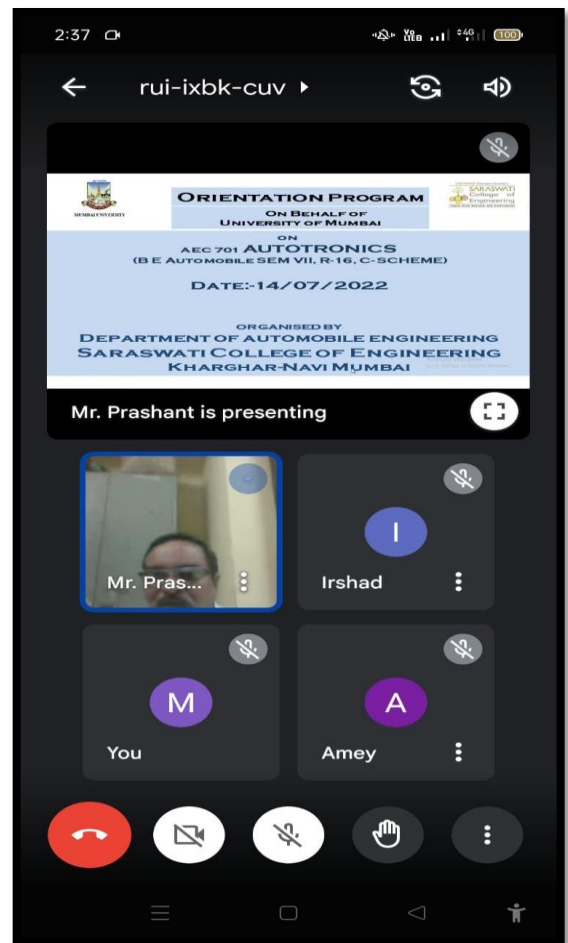
One Week MSBTE Approved Training Programme on
“Environment Engineering for Global Sustainability



Dr. Manjusha Deshmukh Principal SCOE ,
Inaugurated Road Safety Awareness Program



Department of AUTOMOBILE ENGINEERING
Organize Road Safety Awareness Program with Honda
Bigwing



On behalf of University of Mumbai organize Orientation
program of Autotronix Subject on date 14/07/2022
Prof.P.D.Ingle Delivered Technical Session



Sparsh Shah 2022 Passout Student From Department Of Automobile Engineering. Delivered Awareness Session About Abroad Study & Shared His Selection Experience of Germany with Student



On 14th September 2022, Expert session on Topic "Emerging opportunities in Design, Electrical Vehicles" successfully organised by Department of Automobile Engineering for Automobile and Mechanical engineering students. Speaker for the session was Mr. Mayank Arora



Sharda Industrial Visit, Pune, 7th Oct 2022



In Collaboration with D'CARBONISING CENTER
Department of AUTOMOBILE ENGINEERING
Organize One Day Workshop on DECARBONISING OF
ENGINE VEHICLE

Faculty Paper Publications

	FacultyName	Publication Title	Title of Conference/ Journal	Month & Year	Vol/Issue	ISSN/ISBN
1	Vishnudas Alias Vipul L. Chodankar	Joule–Thomson effect investigations on a cryogenic three-fluid–three thermal communication heat exchanger	HEAT TRANSFER, WILEY	20 September 2021	Vol 51/issue1	2688-4542
		Improved effectiveness of a cryogenic counter-current parallel flow - Three fluid heat exchanger with three thermal communication due to Joule Thomson pressure drop	<u>International Journal of Thermal Sciences</u>	February 2022	Volume 172/ Part A	1290-0729
		Enhanced effectiveness with positive Joule–Thomson pressure drop effects on a cryogenic heat exchanger with three fluid-two communications	International Journal of Numerical Methods for Heat & Fluid Flow	9 August 2021	Vol. 32 issue/No . 5	0961-5539
2	Prof. Prashant Ingle	Analysis of Vehicles Body Automobile to Study Drag Characteristics	Journal of Experimental & Applied Mechanics	Jan 23022	Vol. 13 Issue 1	2321-516X
		Research Paper on Design and Analysis of an Anti-roll Bar	Trends in Machine Design	Jan 23022	Vol. 9 Issue 1	2455-3352

3	Prof Chetan Thakur	Fatigue Analysis Of Front Wheel Hub For FSVE Vehicle	International Research Journal of engineering and technology	Nov 21	Vol 8, Issue 11	ISSN 2395-0056
		Subsidiary Braking System	International Research Journal of modernization in engineering technology and science	Dec 21	Vol 3, Issue 12	ISSN 2582-5208
		Thermal analysis of FSAE brake disc.	International Research Journal of engineering and technology	Jan 21	Vol 8, Issue 1	ISSN 2395-0056
4	Dr. Vivek Yakundi	A specific analytical study of friction stir welded Ti 6Al 4V grade 5 alloy : Stir zone microstructure and mechanical properties.	Elsevier-Journal of Manufacturing Processes.	15 th February 2022	JMP 76 (2022) PP 611-623	ISSN : 1526-6125
		A.I.Based smart system for alerting drowsy driver : An active safety feature.	Journals-Pub IJCAM	May 2022	Vol 8 , Issue 1 (2022)	ISSN 2456-642X
		Electromagnetic disc braking with smart assistant.	JOEA STM	May 2022	Vol 9 , Issue 1	ISSN 2455-3360