

## **NEWSLETTER**

–“Keep your eyes on the stars ,and your feet on the ground.”



### ***FROM HOD'S DESK***

*It gives me immense pleasure to lead the department of Automobile Engineering. We proudly present the Newsletter Vol.10 (JAN 2022-June 2022) of Automobile Newsletter'. The department preserves its achievements and publishes its all activities by Automobile Newsletter.*

*We are actively involved in knowledge enhancement of students through project based learning and organising technical events. The faculty members are encouraged to publish their research papers in reputed journals, participate in Faculty Development Program and work hop 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 department and it will inspire others to do their best.*

***Prof. T.Z. Quazi***

### **Editorial Board:**

Prof. Quazi & Prof. Namrata 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 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.

## **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, and 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 appropriately incorporate principles of management and finance in one's own work.
- Identify educational needs and engage in lifelong learning in a changing world of technology.

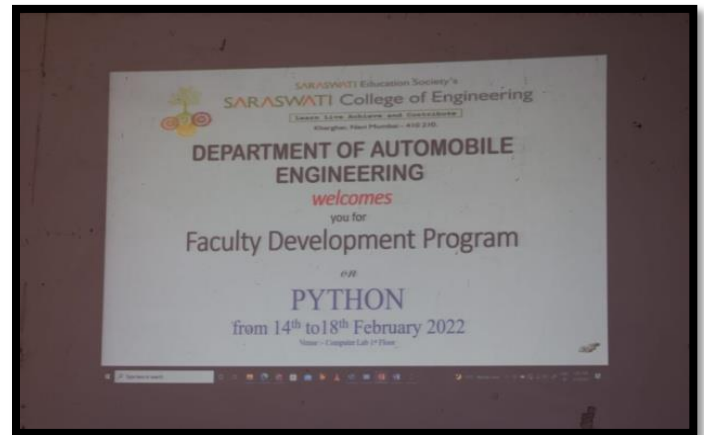
## **III. Programme (PSO)**

- 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

## DEPARTMENTAL EVENTS



**Internship Program by Elite Techno Group**



**Python Training organize by Dr. Vishnudas Chodankar, Assistant Professor working in Automobile Department**



**Yoga Training by Mr. Latish Kumar Krishna co Director nat Ambika Yoga Kutir**



**Expert Lecture on How to be ready for post pandemic Industrial Disruption by .Mr. Mayank Arora**



**Industrial visit At Automotive co.of GOA Ltd.  
on 8th April, 2022**

#### **INTERNSHIP DETAILS**

<b>Name of Student Internship</b>	<b>Letter issue date</b>	<b>period</b>	<b>Place Designation</b>
PrathameshDeokar	10/8/2022	12/9/2022 to 31/10/2022	JSW steel Dolvi works, Pen

<b>SE</b>		
<b>Rank</b>	<b>Name of Student</b>	<b>SGPI</b>
<b>1</b>	<b>PakhadShubham Sunil</b>	<b>9.61</b>
<b>2</b>	<b>PatilShashank Ramesh</b>	<b>9.35</b>
<b>3</b>	<b>Rathod Mahesh</b>	<b>9.22</b>

#### **Topper List**

<b>TE</b>		
<b>Rank</b>	<b>Name Of student</b>	<b>SGPI</b>
<b>1</b>	<b>MudigoodarShashantguodaKantanguoda</b>	<b>9.14</b>
<b>2</b>	<b>KasrungDeepeshPravin</b>	<b>8.39</b>
<b>3</b>	<b>Deepak Danish Preeti</b>	<b>8.39</b>

<b>BE</b>		
<b>Rank</b>	<b>Name of Student</b>	<b>SGPI</b>
<b>1</b>	<b>ShaikhMohameedUsama</b>	<b>9.12</b>
<b>2</b>	<b>Malusare Ajay Ganpat</b>	<b>8.88</b>
<b>3</b>	<b>GangawaniSanketChander</b>	<b>8.88</b>

## Faculty Paper Publications

FacultyName	Publication Title	Title of Conference/ Journal	Month &Year	Vol/Issue	N/ISBN
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	International Journal of Thermal Sciences	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
DrVivekYakkundi	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 <sup>th</sup> February2022	JMP 76 ( 2022 ) PP 611-623	ISSN : 1526-6125
	AI based smart system for alerting drowsy driver an active safety feature.	Journals –pub IJ cam	May 2022	Volume 8 Issue8	ISSN 2582/5208

	Electromagnetic disc braking with smart assistant	JOEA STM	May 2022	Volume9 Issue 1	ISSN 2455-3660
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