

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 (July 2021-Dec 2021) 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 man power.

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
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- 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 appropriate 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 ACTIVITIES



SARASWATI
College of
Engineering
Learn, Live, Achieve and Contribute

**R.A.C.E Committee of Automobile
Department, S.C.O.E bringing you the
series of
WEBINARS OF ALUMNI**

A series of webinar conducted by seniors of our
department, students to truly justifies our
college motto
LEARN, LIVE, ACHIEVE AND CONTRIBUTE

Starting with our first webinar of this series

Abroad Research avenue in the field of
Automobile Engineering

Guest



Aakash Naik
Computational Material scientist, Berlin

Platform:- Google meet
Time:- 2 pm
Date:- 18 Sep 2021

Webinar on ‘ Abroad Research Avenue in The field of Automobile Engineering , was Organized on 18 Sep 2021 guest speaker was Akash Naik



Mr.Mohnish Choudhary from Automobile Department received unique & best Small & Medium scale Enterprise award for His



Delux Bearing ‘ Campus Placement Drive’, was organized by Department on 29Sep Senior Manager ‘Mayur Atale & Bhavana Patel’ was also present

Faculty Paper Publication

| FacultyName | Publication Title | Title of Conference/ Journal | Month &Year | Vol/Issue | N/ISSN |
|---|--|--|-------------------------------|----------------------------|-----------------|
| Prof. 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 |
| Dr. VivekYakkundi | 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 February2022 | JMP 76 (2022) PP 611-623 | ISSN : 1526-125 |
| | 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 |

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|--------------------|--|---|----------|--------------------|-----------------------|
| | Electromagnetic disc braking with smart assistant. | JOEA STM | May 2022 | Vol 9 , Issue 1 | ISSN 2455- 3360 |
| Prof.Chetan Thakur | Alert Techniques For Driver Drowsiness Detection System In Automobile. | International Research Journal of modernization in engineering technology and science | Dec 21 | Vol 3, Issue 12 | ISSN 2582- 5208 |
| | 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 |

