

DEPARTMENT OF AUTOMOBILE ENGINEERING
PROGRAM OFFERED : B.E. AUTOMOBILE ENGINEERING

AutoXploR



e-NEWSLETTER
April, 2024

EDITORIAL TEAM

Faculty



Dr J Venkatesan
Professor & HoD



Dr V Ganesh
Associate Professor &
AHoD



Mr R Sakthivel
Assistant Professor



Mr A K Boobalaseshthilraj
Assistant Professor

Students



Mr Rohith R R Menon
IV Year AUT



Mr P Abhinandan
III Year AUT

DEPARTMENT OF AUTOMOBILE ENGINEERING

The Department of Automobile Engineering was started in the year 1999 with sanctioned intake of 30. The intake was increased from 30 to 60 in the year 2009. The department has well-qualified and experienced faculty and staff members of proven ability and administrative skills. It has well equipped state-of-the-art laboratories that cater to the needs of the students. The department is actively engaged in teaching and research in the areas of Automobile Engineering and related areas. The department is accredited for three years in the year of 2018 by National Board of Accreditation.

Vision

To be a forerunner in producing Competent and Responsible Engineers in the field of Automobile and Associated areas to meet the ever-changing needs of the Global Automotive Industry and the Society.

Mission

Vision achieved by,

1. Providing the state-of-the-art laboratory facilities to train the learners to cater to the changing needs of the industries and the society.
2. Providing opportunities for the learners to bring out their total personality and emphasizing ethical values.
3. Preparing the learners to meet the growing challenges of the automotive industry and to fulfill the diverse societal needs of our nation.
4. Providing research and intellectual resources to address contemporary and complex problems of the industries and to advance interdisciplinary research and applications.
5. Providing compassionate and diverse environment to encourage the students to become innovators and job providers.

Program Educational Objectives

PEO1: To apply technical and professional skills in Automobile Engineering to meet the demanding and growing challenges of the industries.

PEO2: To apply professional and interpersonal skills by continuously focusing on learning towards higher education and research.

PEO3: To direct learners to become successful entrepreneurs by inculcating professionalism, responsibility, and ethics.

INDUSTRIAL VISIT

III Year B.E. Automobile Engineering students visited SCHWING Shetter Private Limited on 17.04.2024, accompanied by Dr. K. Paul Durai, Assistant Professor, Department of Automobile Engineering.

During the visit, students experienced manufacturing processes and explored groundbreaking products like concrete pumps, 10 Cu.m Truck mixers, etc. They also encountered technological advancements, quality control, safety practices, and environmental considerations in industrial practice.



NEW PROGRAM

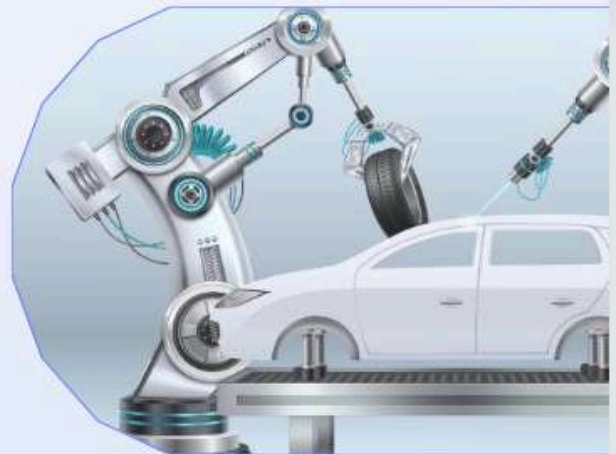
A new UG Program B.E. Mechanical Engineering (Automobile) will be commenced from the academic year 2024-25 after the final approval from Anna University and AICTE.



SvCE | Sri Venkateswara
College of
Engineering

**B.E MECHANICAL ENGINEERING
(AUTOMOBILE)**

Elevate your career with Honor and Minor Degree



ASSOCIATION ACTIVITIES

GUEST LECTURE

The Department of Automobile Engineering, SVCE organized a Guest Lecture on "Career Beyond Campus" by Mr. Prem Kumar, Alumnus (2009-13 Batch), Finance Advisor to the Indian Navy and Coast Guard, Indian Defense Accounts Service (IDAS), Government of India. The event took place on 15th April 2024 in the Bio Tech Conference Hall through Live Stream mode.

The event enlightened students on professional development, job search strategies, and networking essentials. Students gained clarity and confidence in their post-graduation career paths through insightful discussions and inspiring them to explore diverse career opportunities beyond academia.



The poster features the SVCE logo at the top center, with the text 'Sri Venkateswara College of Engineering' and '(An Autonomous Institution - Affiliated to Anna University, Chennai) Sriperumbudur Tk - 602117, Tamil Nadu'. To the right is the logo of the Institutions' Recognition Council. Below this, the text reads 'DEPARTMENT OF AUTOMOBILE ENGINEERING' and 'SOLICIT YOUR ESTEEMED PRESENCE FOR THE GUEST LECTURE'. The SAE Club of SVCE logo is on the right. The title 'Career Beyond Campus' is prominently displayed. A circular portrait of Mr. Prem Kumar is shown on the right. Below the portrait, his name and credentials are listed: 'Mr. Prem Kumar, Alumnus (2009-13 Batch) - Automobile Engineering, Financial Advisor to Indian Navy and Coast Guard, Indian Defence Accounts Service (IDAS), Government of India'. The text 'ALL ARE CORDIALLY INVITED' is centered. At the bottom left, the Faculty Coordinator is listed as 'Dr. K. Paul Durai, Assistant Professor' and 'Mr. R. Sakthivel, Assistant Professor'. The Convenor is 'Dr. J. Venkatesan, Professor & Head' and 'Dr. V. Ganesh, Associate Professor & A.HoD'. The venue is 'Bio-Tech Conference Hall (Live Stream)', the link is 'https://meet.google.com/uog-ekix-miz', the date is 'April 15, 2024 (Monday)', and the time is '09:30 AM to 10:30 AM (IST)'. The website 'svce.ac.in' is at the bottom left, and the SVCE logo is at the bottom right.

SVCE Sri Venkateswara College of Engineering
(An Autonomous Institution - Affiliated to Anna University, Chennai)
Sriperumbudur Tk - 602117, Tamil Nadu

DEPARTMENT OF AUTOMOBILE ENGINEERING

SOLICIT YOUR ESTEEMED PRESENCE FOR
THE GUEST LECTURE

SAE CLUB OF SVCE

Career Beyond Campus

Mr. Prem Kumar
Alumnus (2009-13 Batch) - Automobile Engineering
Financial Advisor to Indian Navy and Coast Guard
Indian Defence Accounts Service (IDAS)
Government of India

ALL ARE CORDIALLY INVITED

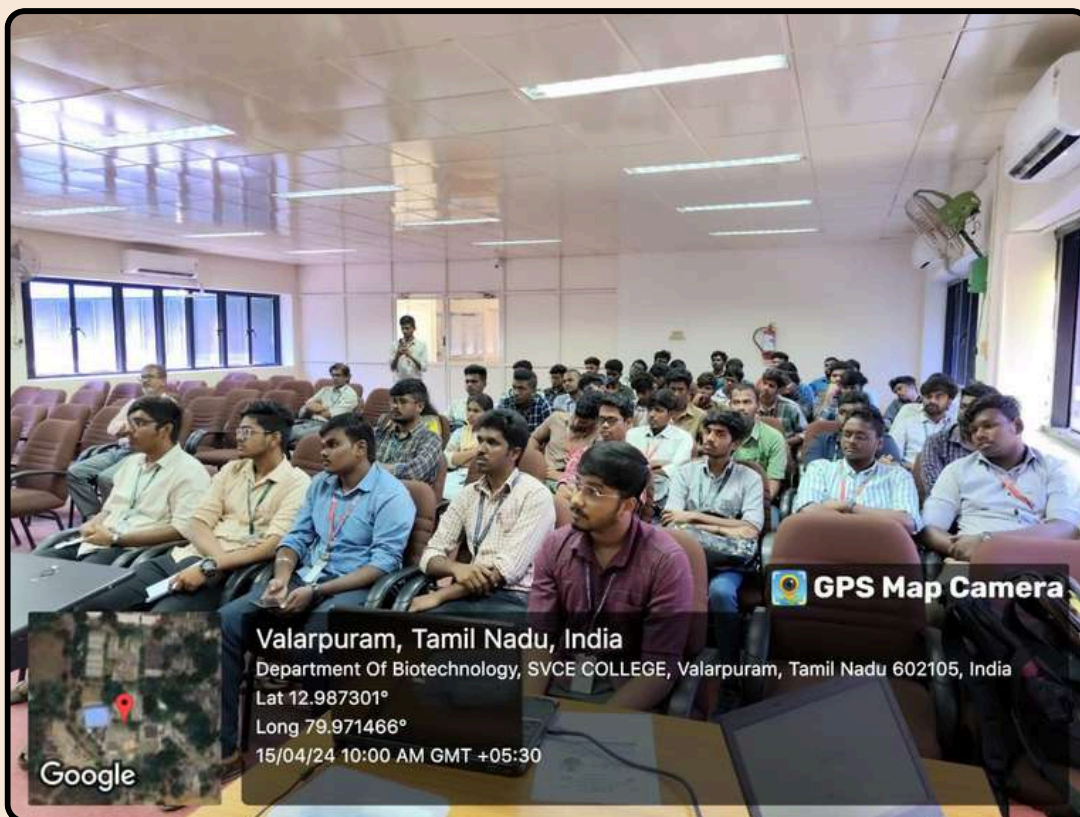
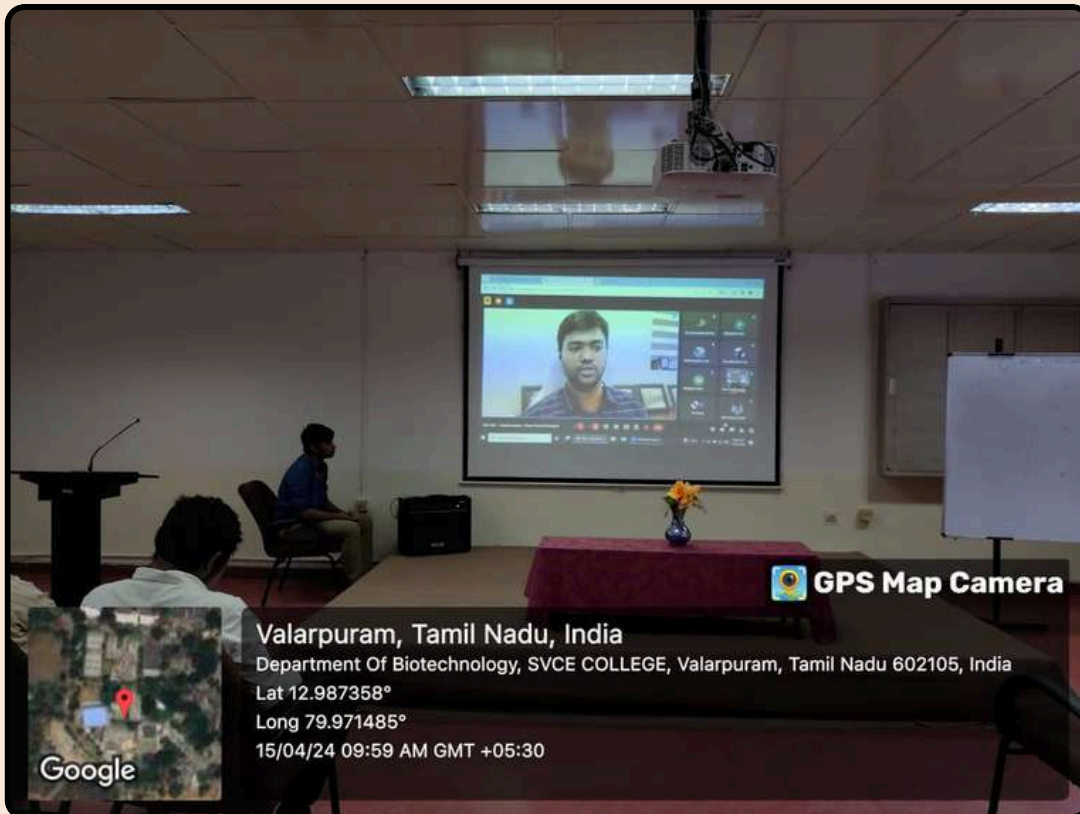
Faculty Coordinator
Dr. K. Paul Durai, Assistant Professor
Mr. R. Sakthivel, Assistant Professor

Venue : Bio-Tech Conference Hall (Live Stream)
Link : <https://meet.google.com/uog-ekix-miz>
Date : April 15, 2024 (Monday)
Time : 09:30 AM to 10:30 AM (IST)

Convenor
Dr. J. Venkatesan, Professor & Head
Dr. V. Ganesh, Associate Professor & A.HoD

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ASSOCIATION ACTIVITIES





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GUEST LECTURE



The Department of Automobile Engineering, SVCE organized a Guest Lecture on "The Future of Automobile Engineering: Opportunities and Challenges in Entrepreneurship" by Mr. Dhivakkar, Alumnus (2016-20 Batch), Budding Entrepreneur, DC Carage, Chennai.

The event took place on 30th April 2024 in the Automobile CAD Laboratory. The lecture explored the future of automobile engineering, emphasizing entrepreneurial opportunities and challenges through interactive discussions. Students also gained insights into the evolving automotive sector and entrepreneurial avenues.

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Sriperumbudur Tk - 602117, Tamil Nadu



DEPARTMENT OF AUTOMOBILE ENGINEERING

 SOLICIT YOUR ESTEEMED PRESENCE FOR THE GUEST LECTURE 

**The Future of Automobile Engineering:
Opportunities and Challenges in Entrepreneurship**

Mr. DHIVAKKAR N
Alumnus (2016-20 Batch) - Automobile Engineering
Budding Entrepreneur
DC Garage, Chennai




ALL ARE CORDIALLY INVITED

Faculty Coordinator
Mr. R. Sakthivel, Assistant Professor
Mr. Ramanjaneyulu Kolla, Assistant Professor

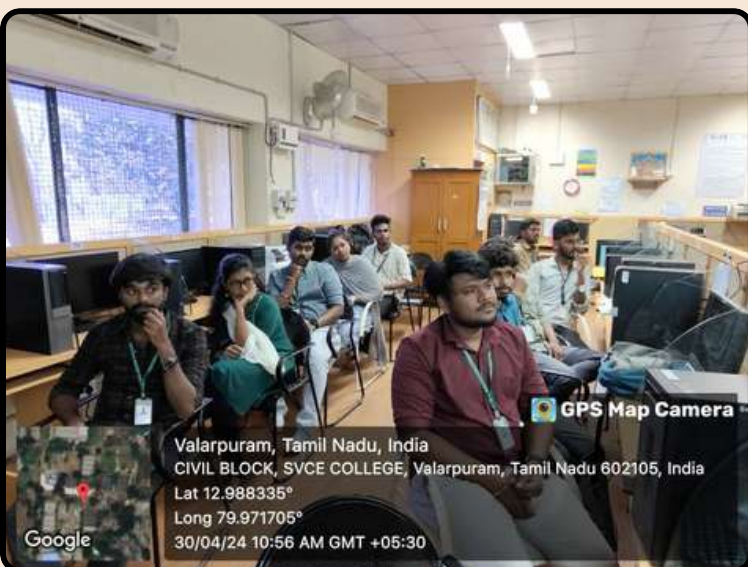
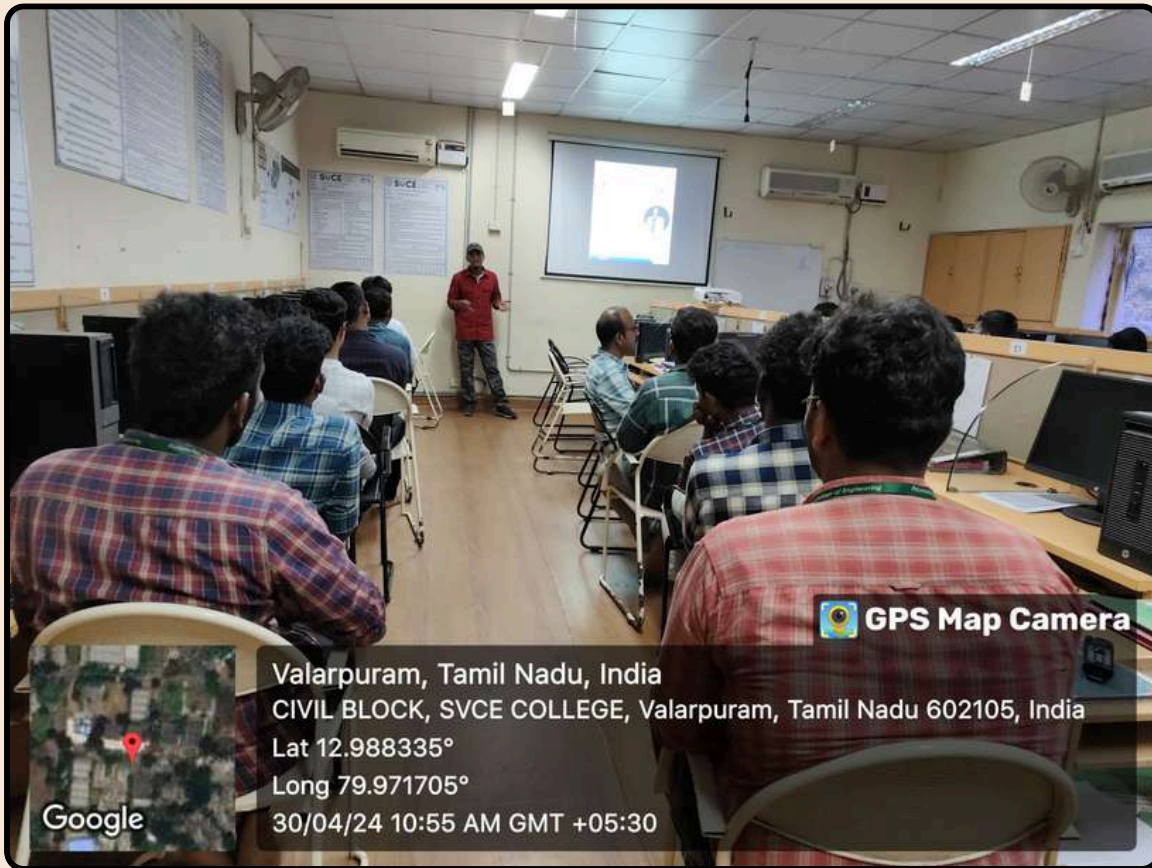
Venue : Auto CADD Laboratory
Date : April 30, 2024 (Tuesday)
Time : 10:30 AM to 11:30 AM (IST)

Convenor
Dr. J. Venkatesan, Professor & Head
Dr. V. Ganesh, Associate Professor & A.HoD

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ASSOCIATION ACTIVITIES



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Dr. V. Ganesh, Associate Professor delivered a hands-on training session to school students aspiring for engineering in Automotive components Laboratory in the “Experience SVCE” program held on 03.04.2024.



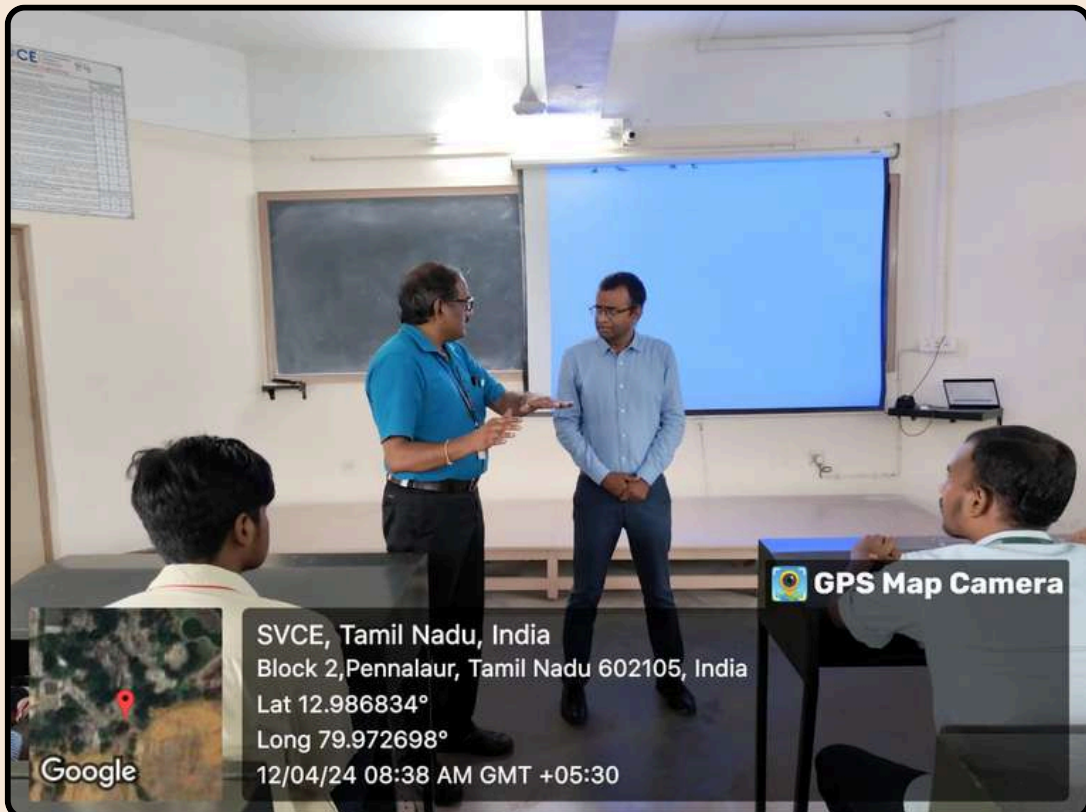
Dr. S. Premnath, Associate Professor and Mr. R. Sakthivel, Assistant Professor delivered hands-on training session to school students aspiring for engineering in Automotive components Laboratory in the “Experience SVCE” program held on 23.04.2024



INDUSTRY ACADEMIA COLLABORATIONS

Dr. J. Venkatesan, Professor & HoD, introduced Mr. I. Meenakshi Sundaram, CTO, Amalgamations Group, as Professor of Practice for the Hybrid and Electric Vehicles subject of VI semester B.E. Automobile Engineering.

He handled a few theoretical sessions to the third and second year B.E. Automobile Engineering students on 12.04.2024 and 26.04.2024 respectively. The students gained real-time practical insights in the field of Hybrid and Electric Vehicles.



FIRST INTERACTIVE SESSION



SECOND INTERACTIVE SESSION



FACULTY CONTRIBUTION

Dr. S. Premnath, Associate Professor and Mr. J. Dhanabal, Assistant Professor received certificates on successfully completing the Awareness cum Internal Auditor Training on ISO 21001:2018 Educational Organizations Management System, as per ISO 21001:2018 by IR CLASS Systems and Solutions.



FACULTY CONTRIBUTION

Mr. R. Sakthivel, Assistant Professor has undergone Innovation Ambassador (IA) training “Foundation Level” conducted in online mode by MoE’s Innovation Cell & AICTE and received the certificate on 18.04.2024.



STUDENTS PARTICIPATIONS

Students Research Day

Mr. A. Abishek, Mr. Rohith R R Menon, and Mr. Shri Krishnaa G, fourth-year students, presented the project titled “Enhancing Vehicle Handling by Steer-by-Wire System with Variable Gear Ratio” and secured first prize in Student Research Day 2023-24, under the mentorship of Mr. A. K. Boobalasantilraj, Assistant Professor, Department of Automobile Engineering.



Mr. Senthil kumar S, Mr. Shyam kumar S and Mr. Vaseekarn A, fourth-year students, presented the project titled “Design and Fabrication of Central Tire Pressure Regulation System” and secured the second prize at the Student Research Day 2023-24, under the mentorship of Dr. V. Ganesh, Associate Professor, Department of Automobile Engineering.



STUDENTS PARTICIPATIONS

Students Research Day

Mr. Mukesh M, Mr. Praveen B and Mr. Yadhu Krishnan P, fourth-year students, presented the project titled “Integrated Vehicle Security System With Automatic Headlight Control” in the Student Research Day 2023-24, under the mentorship of Mr. Ramanjaneyulu Kolla, Assistant Professor, Department of Automobile Engineering.



Mr. Dhanesh Kumar M, Mr. Ezhilan P and Mr. Prajoth S, fourth-year students, presented the project titled “Design and Fabrication of Automatic Intelligent Braking System” in the Student Research Day 2023-24, under the mentorship of Dr. K. Paul Durai, Assistant Professor, Department of Automobile Engineering.



Mr. Aravind A, Mr. Abinandan P, third year and Mr. Shivabalaaji V, second-year students, presented the project titled “IReady to Start system for Electric Vehicles using Relays and Timer.” in the Student Research Day 2023-24, under the mentorship of Mr. R. Sakthivel, Assistant Professor, Department of Automobile Engineering.



STUDENTS PARTICIPATIONS

Students Research Day

Mr. Rudhan Chellappa S and Mr. Siva Sekar G, final-year students, presented the project titled “Electromagnetic Braking System” under the mentorship of Dr. G. Ravi, Assistant Professor, Department of Automobile Engineering.



Mr. E. Kaviraj, Mr. G. Johin Hill, and Ms. C. Prathipa, second-year students, presented the project titled “Streamlining Emergency Response” under the mentorship of Dr. V. Ganesh, Associate Professor, Department of Automobile Engineering.



STUDENTS ACHIEVEMENTS

Conference

- Mr. Vigneshwaran J V and Mr. Shyam Kumar S, final Year students along with Dr. Ganesh V, Associate Professor, Mr. Sakthivel R and Mr. Boobalasantilraj. A. K, Assistant Professors have presented a technical paper titled “Intelligent Load Adaptive Braking System” in the 3rd International Conference on Advances in Automobile, Manufacturing and Mechanical Engineering ICAAMME'24 held at Easwari Engineering College on 05.04.2024.
- Mr. Abinandan, Mr. Aravind, third year students along with Dr. Ganesh V, Associate Professor, Mr. Sakthivel R, Mr. Ramanjaneyulu Kolla and Mr. Boobalasantilraj. A. K, Assistant Professors have presented a technical paper title “Ready To Start System For Electric Vehicles Using Relays And Timer” in the 3rd International Conference on Advances in Automobile, Manufacturing and Mechanical Engineering ICAAMME'24 held at Easwari Engineering College on 05.04.2024.
- Mr. Abishek, Mr. Rohith R R Menon, Mr. Shri Krihna, final year students along with Dr. Ganesh V, Associate Professor, Mr. Sakthivel. R and Mr. Boobalasantilraj. A. K, Assistant Professors have presented a technical paper title “Enhancing Vehicle Handling Using Steer By Wire System With Variable Steering Ratio” in the 3rd International Conference on Advances in Automobile, Manufacturing and Mechanical Engineering ICAAMME'24 held at Easwari Engineering College on 05.04.2024.