

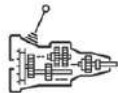
**DEPARTMENT OF AUTOMOBILE ENGINEERING**  
**PROGRAM OFFERED : B.E. AUTOMOBILE ENGINEERING**

# AutoXploR



**e-NEWSLETTER**

**June, 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 by National Board of Accreditation till June 2025. A new program B.E. Mechanical Engineering (Automobile) will be started from AY 2024-25.

## **Vision**

To be recognized as a distinguished department renowned for producing competent and responsible mechanical engineers specialized in automobile engineering, meeting the dynamic demands of automotive industries on national and global scale, nurtured by exceptional facilities and support Mission.

## **Mission**

Vision achieved by,

1. Igniting the passion of individuals for learning, research, and innovation by establishing collaborative learning through dynamic teaching methodologies, hands-on experiences, and research opportunities, to contribute in the advancement of automotive technologies.
2. Advancing the competency of individuals through comprehensive academic curriculum, state-of-the-art-laboratory facilities, and training on critical thinking skills to comprehend industry requirements and provide innovative solutions in the automotive and associated domains.
3. Providing engineering and technological solutions for challenges such as sustainability, safety, and efficient transportation at national and global levels, through interdisciplinary collaboration, and cutting-edge research in collaboration with industry partners, government agencies, and academic institutions.



## **Program Educational Objectives**




**PEO1:** Graduates will have acquired a strong foundation in mechanical engineering principles and specialized knowledge in automobile engineering, adapted to technological advancements leading to successful careers in the automotive and manufacturing industries.

**PEO2:** Graduates will showcase the ability for innovation and flexibility in embracing technological progress and evolving industry dynamics, fostering a commitment to ongoing learning, culminating further academic pursuits and research endeavors.

**PEO3:** Graduates will understand the ethical, social, and environmental implications and adhere to the principles of ethical conduct, sustainability, and corporate responsibility to become responsible professionals and successful entrepreneurs.

# FACULTY CONTRIBUTION

Dr. J. Venkatesan, Professor & HoD, Dr. K. Paul Durai, Assistant Professor have participated in the One Week National level Online Faculty Development Program on Digital Pedagogy: ICT & AI assisted teaching in-line with OBE & NEP organised by the Internal Quality Assurance Cell (IQAC) of St. James College of Nursing and St. James College of Pharmaceutical Sciences, Chalakudy in association with The Kerala State Higher Education Council (KSHEC) from 29 May 2024 to 05 June 2024 and have successfully completed all the assessments and secured an A grade.



St. James College of Nursing

The Kerala State Higher Education Council  
കേരള മുതലായ ഉന്നതവിദ്യാഭ്യാസ കൗൺസിൽ

The Internal Quality Assurance Cell (IQAC) of  
St. James College of Nursing and  
St. James College of Pharmaceutical Sciences, Chalakudy





Organises

One Week National level Online Faculty Development Program on

**Digital Pedagogy: ICT & AI assisted teaching  
in-line with OBE & NEP**

In association with

**The Kerala State Higher Education Council**

 <p><b>Dr. Rajan Gurukkal</b> Vice Chairman, KSHEC</p>	 <p><b>Dr. Rajan Varghese</b> Member Secretary, KSHEC</p>	
 <p><b>Dr. Antu Alappadan</b> Director St. James Medical Academy</p>	 <p><b>Dr. Sr. Jijimole Mathew</b> Principal St. James College of Nursing</p>	 <p><b>Dr. K. Krishnakumar</b> Principal, St. James College of Pharmaceutical Sciences</p>

# FACULTY CONTRIBUTION

Dr. J. Venkatesan Successfully completed a Four Day NBQP Registered Training Program "Laboratory Management System as per ISO/IEC 17025:2017 & Internal Audit", conducted by Indian Rubber Material Research Institute, Affiliated to DPIIT, Ministry of Commerce & Industry, Govt. of India, from 4th to 7th June 2024.



Four Days Training program

**"LABORATORY MANAGEMENT SYSTEM AS PER ISO / IEC 17025:2017 & INTERNAL AUDIT"**

Don't miss out on this valuable opportunity to enhance your skills and knowledge in laboratory management!

 04TH-07STJUNE 2024

 HOTEL VIJAY PARK,  
VADAPALANI, CHENNAI

**REGISTER NOW**

 More Information :  
[WWW.IRMRI.ORG](http://WWW.IRMRI.ORG)

# FACULTY CONTRIBUTION

Dr. J. Venkatesan, Professor & HoD, along with Dr. G. Ravi, Mr. Ramanjenyulu Kolla, and Mr. R. Sakthivel, Assistant Professors, have successfully completed the one-month Online Faculty Development Program (FDP) on Electric Vehicles (Mechanical) from June 3 to June 30, 2024, organized by SkillDzire in collaboration with AICTE, and received their certificates on July 2, 2024.



Mr. A. K. Boobala Senthilraj, Assistant Professor has successfully participated in a One-Week Faculty Development and Training Programme (FDTP) on "Industry 5.0 and Smart Manufacturing". This programme was organized by the Department of Mechanical Sciences (Auto, Mech & RA) at Easwari Engineering College (Autonomous) from May 27, 2024 to June 1, 2024.



# FACULTY CONTRIBUTION

Mr. J. DHANABAL, Assistant Professor has successfully participated in the BRAHMAGNANAM COURSE 14.06.2024 to 16.06.2024 held at ARUTPERUM JOTHI NAGAR, ALIYAR organized by Vethathiri Maharishi Institute for Spiritual and Intuitional Education Educational Wing of WCSC Aliyor.



Dr. S. Premnath, Associate Professor, Dr. G. Ravi and Mr. Ramanjaneyulu Kolla Assistant Professors have participated in the One-week online International Faculty Development Program on “Advancements in Automobile Engineering for Sustainable Development” from 24th to 28th June 2024, organized by the Department of Automobile Engineering, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad in association with the SAE Collegiate Club of VNRVJIET.



# FACULTY CONTRIBUTION

Dr. V. Ganesh, Associate Professor, conducted a hands-on training session for school students aspiring to pursue engineering, in the Automotive Components Laboratory, as part of the “Experience SVCE” program held on 20.06.2024.



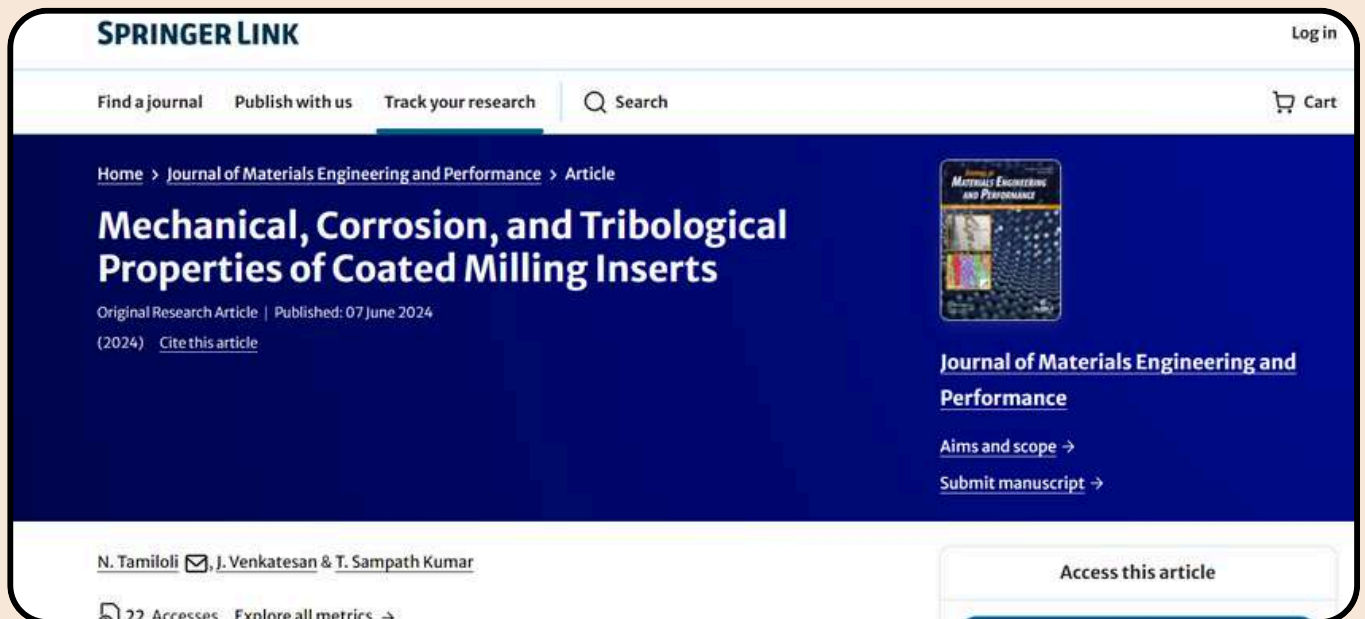
# FACULTY CONTRIBUTION

## Publication

N. Tamiloli, J. Venkatesan, T. Sampath Kumar, “Mechanical, Corrosion, and Tribological Properties of Coated Milling Inserts”, Journal of Materials Engineering and Performance, Page 1-15, ISSN 1544-1024.

<https://link.springer.com/article/10.1007/s11665-024-09645-7>

<https://link.springer.com/journal/11665>



The screenshot shows the Springer Link website interface. At the top, the 'SPRINGER LINK' logo is on the left, and 'Log in' is on the right. Below the logo, there are navigation links: 'Find a journal', 'Publish with us', and 'Track your research', followed by a search bar with a magnifying glass icon and the text 'Search'. A shopping cart icon with the text 'Cart' is also present. The main content area has a dark blue background. It features a breadcrumb trail: 'Home > Journal of Materials Engineering and Performance > Article'. The article title, 'Mechanical, Corrosion, and Tribological Properties of Coated Milling Inserts', is prominently displayed in white. Below the title, it says 'Original Research Article | Published: 07 June 2024' and '(2024) Cite this article'. To the right of the title is a small thumbnail image of the journal cover. Below the thumbnail, the journal title 'Journal of Materials Engineering and Performance' is shown, along with links for 'Aims and scope' and 'Submit manuscript'. At the bottom of the article page, the authors 'N. Tamiloli, J. Venkatesan & T. Sampath Kumar' are listed, with an envelope icon next to the names. A button labeled 'Access this article' is located at the bottom right. In the bottom left corner, there is a small icon and the text '22 Accesses Explore all metrics'.

# STUDENTS PARTICIPATION

Mr. Yeshwanth K, III Year B.E Automobile Engineering student has done his Internship training in Rane Engine Valves Ltd. from 12.06.2024 to 29.06.2024.



Ms. Prathipa. C, II Year B.E Automobile Engineering student successfully completed her Internship training in Hyundai Motor India Ltd. from 17.06.2024 to 28.06.2024.



Mr. Mohamed Muhshin, II Year B.E Automobile Engineering student underwent an Internship training in TVS Mobility Pvt. Ltd. from 12.06.2024 to 26.06.2024.



# STUDENTS ACHIEVEMENTS

## Placement

Placement Report (2024 Batch):

Mr. Praveen B, IV Year Student got an offer in M/s APA Engineering with a salary of 2.65 LPA as a Trainee Data Analyst.





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

(With a special focus on hybrid and electric vehicles)

**EARN DEGREE  
WITH MULTIPLE CAREER  
OPPORTUNITIES**



**Why Mechanical Engineering (Automobile) at SVCE?**

- **First College in Tamil Nadu** to introduce this program from the **Academic Year 2024-25**
- The College is an **ISO certified** institution and is accredited by **National Assessment and Accreditation Council (NAAC) with A+ Grade**
- Students can explore multiple career opportunities in leading mechanical and automobile industries in India and Abroad
- Special focus on **Hybrid & Electric Vehicles**
- **Semester-in-Abroad** programme in third year
- Exposure to real-world challenges and practices through **Semester-in-Industry** programme
- Earn **Honours / Minor degree** along with basic degree
- Guidance for 100 % placement
- **Full fee waiver** for Government School students under WINGS and SEEDS scholarship schemes
- **Management scholarships** on the basis of Merit Means, Merit-cum-Means, Economic Means, Performance in Sports and Performance in NCC activities

**Honours and Minor Degrees**

- In addition to the basic degree B.E. Mechanical Engineering (Automobile), the students can get an additional Honours Degree or Minor Degree by earning additional credits.

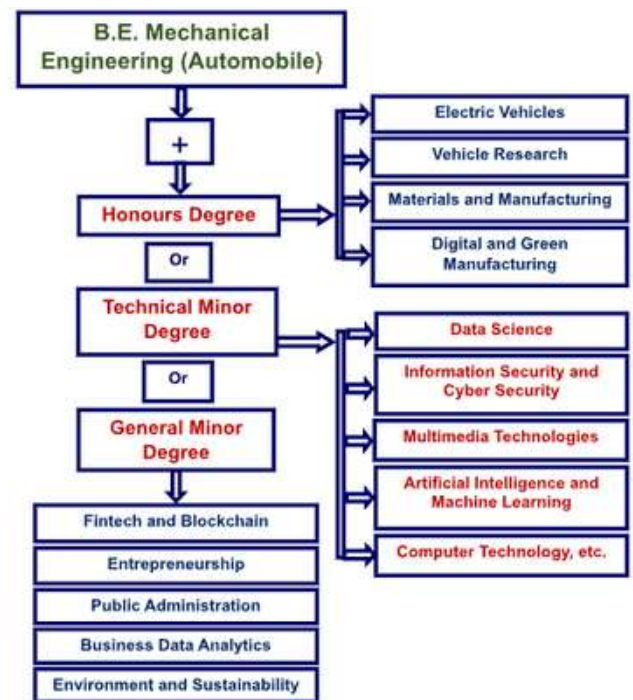
**Placement**

An average of more than **95%** eligible students of Automobile Engineering got placed in reputed core and other companies



**Higher Studies**

- Students are provided with **supportive training** pertaining to their future plans for doing a master's.
- Students pursue their master's in the field of Engineering and Technology and also in Business Administration and Management in reputed Universities worldwide including Clemson University-USA, Wisconsin Madison University-USA, RWTH Aachen University-Germany, Inglostadt University-Germany, University of Sheffield-UK, Oxford Brookes University-UK, etc.



**Admissions for 2024-25 are now open!**

**APPLY NOW**

