



Guest Lecture on Global Automotive Careers

SEPTEMBER 4, 2024 • SSET CAMPUS

To give students a broader understanding of the international automotive landscape, the Department of Automobile Engineering at SCMS School of Engineering and Technology (SSET) hosted an engaging guest lecture tailored for fifth-semester students.

Led by Mr. Jithin Karunan, an Applied Technology teacher from the Institute of Applied Technology in Abu Dhabi, the session explored dynamic career opportunities and emerging industry trends, with a strong focus on the Middle Eastern automotive market.

Key Insights & Upskilling Recommendations

- **Middle Eastern Automotive Boom:** Highlighted soaring demand in manufacturing, maintenance, and EVs, along with competitive compensation and luxury car culture.
- **Higher Education Abroad:** Guided students on international universities, specialized programs, and scholarship avenues for global R&D careers.
- **Essential Add-On Certifications:** Recommended specialized courses in Electric Vehicle Technology, Advanced Engine Diagnostics, Quality Management Systems, and CAD/MATLAB.



Industrial Visit: Safety Engineering at HMT

AUGUST 31, 2024 • KALAMASSERY

Bridging classroom theory with real-world industrial application, the Department of Automobile Engineering organized an industrial visit to **HMT Machine Tools Limited, Kalamassery** on 31st August 2024. Ten seventh-semester students participated in the day-long immersive experience focused on Industrial Safety Engineering.

The facility tour provided practical insights into stringent safety protocols and advanced heavy machinery manufacturing, guided by Associate Professor Dr. Manoj Kumar B.

Core Learning Activities

- **Facility & Machining Tour:** Observed live machining operations (turning, milling, grinding) and CNC machine assembly lines.
- **Safety Engineering Briefing:** Facility safety officers led sessions on risk assessment, emergency response, and PPE protocols.
- **Live Safeguard Demonstrations:** Witnessed physical machinery barriers and emergency stop mechanisms engineered into industrial equipment.



Free Auto Rickshaw Service & Community Camp

OCTOBER 5, 2024 • SIRST POLLUTION CENTRE

In collaboration with the **SCMS Institute for Road Safety and Transportation (SiRST)**, the Department of Automobile Engineering hosted a free service camp for passenger and goods auto rickshaws, supported by industry partners **Ideal Motors and K P Motors**.

Over 30 Automobile Engineering students actively participated, providing essential vehicle maintenance to the local community while gaining hands-on mechanical troubleshooting experience.

Camp Operations & Alternative Fuel Showcase

- **Vehicle Maintenance:** Serviced 25 auto rickshaws with general check-ups, engine tuning, brake adjustments, and complimentary pollution checks.
- **Sustainable Mobility Display:** Showcased CNG three-wheelers from PIAGGIO and electric three-wheelers from Bajaj Auto to educate local drivers.
- **Industry Collaboration:** Guided by expert technical crew members from Ideal Motors (Kochi PIAGGIO dealer) and K P Motors (Kochi BAJAJ Auto dealer).



SAEIndia Collegiate Club: Auto Quiz Qualifier

OCTOBER 17, 2024 • ADMIN BLOCK SEMINAR HALL

The SAEIndia Collegiate Club of SCMS, in collaboration with the Department of Automobile Engineering, successfully hosted the "**Auto Quiz**" as a Tier 1 qualifier for the SAEIndia Student Convention 2024.

The event drew 64 registrations and 41 active competitors challenging their grasp of automotive engineering principles, motorsport history, and emerging mobility trends.

Competition Winners & Convention Qualification

- **First Place:** Amalraj (S7 Automobile Engineering) — ₹1,000 cash prize.
- **Second Place:** George Jose (S5 Computer Engineering) — ₹500 cash prize.
- **Third Place:** Advait Deepu M (S3 Automobile Engineering).
- **Regional Advancement:** Top performers earned direct tickets to represent SSET at the regional SAEIndia Student Convention.

