

Kalasalingam Academy of Research and Education, Virudhunagar, India



KALASALINGAM
ACADEMY OF RESEARCH AND EDUCATION
(DEEMED TO BE UNIVERSITY)
Under sec. 3 of UGC Act 1956. Accredited by NAAC with 'A' Grade



offers

ARAI
Progress through Research

M. Tech. Automotive Systems Engineering (with specialisation in Electric & Hybrid Vehicles / Powertrain Engineering)

in collaboration with

The Automotive Research Association of India (ARAI), Pune, India

Objective:

This programme aims to develop a new generation of automotive engineers who are required to the task of design and development in the future automotive industry. We endeavor to improve the technical and professional skills of students by incorporating various teaching methods, hands-on and out-of-classroom education.

About us:

Kalasalingam Academy of Research and Education (KARE) (Deemed to be University) has been serving the society for thirty seven long years and it caters to the needs of the students from all walks of the society. KARE offers various streams of UG, PG & Ph.D programmes. Eleven of the UG Engineering programmes are accredited by ABET, USA. The institution has been re-accredited by NAAC with 'A' grade. Six UG programmes have been accredited by NBA under Tier-1. Institute is ranked 60th in engineering category and 72nd in the university category in NIRF ranking 2020. Institution continues to do indefatigable work in getting projects and research centers. It has received DST funding to establish the National Center for Advance Research in Discrete Mathematics.

The Automotive Research Association of India (ARAI) is well-known Automotive Research, Development, Testing & Certification Institute in the country. The skill development initiative of ARAI was started in 2004 through the department ARAI Academy with the aim of bridging the gap between industry and academia. It is located in the industry hub at Chakan, Pune. ARAI Academy is conducting Graduate, Post Graduate, PG Diploma & Ph.D programmes in collaboration with various universities in India. It is equipped with labs such as Engine, Automotive Engineering Systems, Automotive Electronics & Embedded system, EMI & EMC, Noise & Vibration, EV & EHV, AI-ML, etc. where students can gain hands-on experience. The students are exposed to the latest trends in automotive technologies which help them to meet the requirements of Automotive Industry.

Courses in the Programme:

Courses for Powertrain Engineering:

- Powertrain Management Systems
- Modelling and simulation of EHV
- Energy Storage and Management Systems
- Testing and Certification of Electric Vehicles
- Intelligent Transport Systems
- Plug-in Electric Vehicles in Smart Grid

Courses for Electric & Hybrid Vehicles:

- Engine Testing & Certification
- Powertrain NVH
- Alternate Fuels
- Engine Design & Development
- Engine Combustion & Simulation
- Engine Emission & Control

Degree: The final degree is awarded by KARE, Virudhunagar in association with ARAI, Pune

Eligibility Criteria:

- 60% in Class X & XII
- BE / B.Tech in Mechanical/ Automobile/ Manufacturing/ Mechatronics/ Electrical/ Electronics, Instrumentation and allied branches.
- Preference is given to industry sponsored candidates
- Students will be required to go through online test followed by Personal Interview

Total Number of Seats: 12 Nos.

Course Duration: 2 years

Tuition Fees : Rs. 50,000/- Per Semester + Other fees

HOW TO APPLY

Admission details can be availed by visiting: <https://admissions.kalasalingam.ac.in/arai.php>



Contact Details:

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Excellence in Education