



## MG-RVCE Centre of Competence in Electric Vehicle Technologies (MG Motor India Private Limited and RVCE initiative)

### Announces **Certificate Course**

### **“MG-RVCE Nurture Program in Electric Vehicle Technology”**

RV College of Engineering (RVCE) established in 1963 is one of the earliest self-financing engineering colleges in India. The institution is run by Rashtreeya Sikshana Samithi Trust (RSST). RVCE is recognized as one of India's leading technical institutions. It is rated amongst the top five self-financing Engineering colleges in the country. RVCE offers 15 Bachelor's, 16 Master's Programs. All the departments have research centres, affiliated to Visvesvaraya Technological University (VTU), Belagavi. The institution is Ranked 89 amongst engineering colleges of India as per NIRF for the year 2021 and QS-IGUAGE - DIAMOND University Rating (2021-2024). Most of the UG programs, M. Tech. and MCA programs are accredited by NBA. The institution has to its credit over 1500 National and International Journal publications, filed over 50 patents, 44 published patents, 5 patents granted, and completed sponsored research and consultancy projects worth ₹.20.0 crores in the last three years. The institution has established over 20 Centres of Excellence / Competence in advanced areas such as Macroelectronics, IoT, Automotive Mechatronics, e-Mobility, Quantum Computing, AI & ML, CCTV Research, Smart Antenna Systems, and Computational Genomics. The Institution has student strength of over 5500, faculty 375, technical & administrative staff of 230. Around 350 research scholars are pursuing Ph.D.

#### **MG Motor**

MG Motor UK Limited (MG Motor) is a British automotive company owned by SAIC Motor UK, which in turn is owned by the Shanghai-based Chinese state-owned company, SAIC Motor, headquartered in London, United Kingdom. MG Motor designs, develops and markets cars sold under the MG marque, while vehicle manufacturing takes place at its plants in China, Thailand, and India.

The design of the cars was originally engineered by MG Motors in Longbridge, Birmingham, United Kingdom.

#### **MG Motor India Private Limited**

MG Motor India Private Limited is an automobile manufacturer in India, a subsidiary of Chinese automotive manufacturer SAIC Motor which marketed vehicles under the British MG marque. The subsidiary was setup in the year 2017 and began its sales and manufacturing operations in 2019. MG Motor India operates one manufacturing plant in the country, located in Halol, Gujarat. The plant has a capacity of 80,000 units per year and was previously owned by General Motors India, which halted its sales operations in India at the end of 2017. MG Motor India has invested more than ₹2,000 crore in revamping the 178 acre facility after its takeover from General Motors.

#### **ZS EV – MG's first product electric car**

The ZS EV, revealed at the 2018 Guangzhou Motor Show, is based on the existing MG ZS. It has a single electric motor driving the front wheels and producing 148 bhp (110 kW) and 350 N-m (258 lb-ft) enough to take the 4.3-metre-long crossover from 0–31 mph (0–50 km/h) in 3.1 seconds, 0–60 mph (0–97 km/h) in 8.5 seconds. Battery capacity is 45 kWh with a declared WLTP range of 163 miles (262 km) for combined and 231 miles (372 km) for city. UK versions of the ZS EV have CCS charging (via a charging socket located at the front of the car, behind the MG badge). Standard equipment in the ZS EV models includes adaptive cruise control and collision avoidance. In India, a local petrol-version of the ZS EV was launched under the name MG Astor in 2021 as a rival to SUVs such as the Hyundai Creta, Kia Seltos and Renault Duster.

#### **Relevance of the course in Electric Vehicle Technology in EV Automobiles:**

The automotive market has been evolving, globally. The trendline clearly shows the shift of paradigm from fossil fuels to clean energy. Electric Vehicle technology is leading the game even in India. A growth rate of 168% in sales of electric vehicle was recorded in India in 2021. This shows a need of more service centers with the capability and subsequently manpower availability in the market to service and maintain these vehicles. This is where MG has come up with first of its kind course where the participants will be industry trained on electric vehicle technology and maintenance. They shall be market ready after successful completion of this course.

### **Features of Industry-Academia collaboration to bring the best of both worlds:**

- Global technology meets Indian talents
- Intensive training
- State of the art facility provided by Morris Garages India Pvt Ltd
- Students will be imparted on the job training for hands on experience at MGI's Dealership Workshops as per course content.
- Practical experiments on high end Morris Garages EV car
- Extensively trained faculty by Morris Garages India Pvt Ltd.
- Regular interaction with experts from Morris Garages to keep abreast of latest developments in industry.

### **Course Content:**

The course content is derived in collaboration with Morris Garages India to suit the needs of the advances in Electric Vehicle Technology. The course is designed to provide theoretical description, practical hands on experience, internship at MG Dealers, and a Project in the area of EV Technology. The course consists of following seven modules:

Module 1: Comprehensive Discussion on Automobile Industry

Module 2: Introduction to EV

Module 3: High Voltage System

Module 4: Low Voltage System

Module 5: Periodic Maintenance Service

Module 6: Connected Car

Module 7: Behavioural Skills and Industry Ethics

**Faculty** : Faculty / Trainers from RVCE are Doctorates / Postgraduates in Engineering with good experience and are trained on Electrical Vehicle Technology at MG Motor Regional Training Center, Peenya, Bangalore.

**Duration** : Five Months (7 modules)

**Fees** : Rs. 50,000/- (Rs. Fifty thousand only) plus GST as applicable, for the entire course to be paid at the time of Admission

**Intake** : 20 students (with 20% reserved for deserving female students)

**Eligibility** : Diploma or Engineering Degree in Mechanical /Automobile / Electrical / Electronics and allied branches

**Certification** : On successful completion of the course, trainees will be awarded with globally valid certificate on 'MG-RVCE Nurture Program in Electric Vehicle Technology'

**Admission** : Admissions through entrance Test only. The test is based on basics of Mechanical, Electrical, Electronics, Aptitude, and General Knowledge.

**Industry Experts** : During the course, the students will be exposed to Industrial visits across automotive sectors to enhance their knowledge

in electric vehicle technologies and acquire practical skills. The students will also be educated through invited talks, webinars from automotive sectors of electric vehicles during their course of study. The students will be doing internships at the MG dealerships. The students will be carrying out a project in the area of EV Technology

**Placement Assistance** : MGI dealers may, at their options, recruit the students in their Dealerships as per the terms mutually agreed.

MGI will encourage its dealers to give preference to the students from MG-RVCE Nurture Program.

**Job Role** : EV Service Specialist / EV Texpert / EV Technician/EV Advisor

### **Placement assistance:**

After the successful completion of the program, placement assistance for the deserving students will be provided in companies such as:

- Morris Garages Dealerships
- Morris Garages Research and Development
- OLA Electric
- Volvo Trucks Research and Development
- E-Vehicle Start-up
- Engine CAL
- LYKAN Automotive
- Amtronics
- Duroshox
- Entrepreneurs
- Suprajith Engineering, Bengaluru
- Deevia Software (Autonomous Vehicle company)

### **Admission Process for 2022-23 Batch:**

Application form for entrance examination to be downloaded from website: [www.rvce.edu.in](http://www.rvce.edu.in). The filled - in application form along with the attested photocopies of mark sheets and certificates of Diploma / Degree in Engineering and payment details (copy of DD for Rs.500/- + 18% GST = Rs 590/- favouring **R V College of Engineering** (non-refundable entrance examination fee) are to be submitted to The Principal, RV College of Engineering, Bengaluru at the earliest (latest by **10<sup>th</sup> August 2022**). The selection is through an entrance test, and schedule will be announced soon. Selected candidates have to produce testimonials along with payment details.

### **For more details contact:**

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