








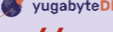










## DREAM JOBS BEGIN @MBU

 <b>Sumanaswini</b>  <b>₹60LPA</b>	 <b>Harshavika</b>  <b>₹60LPA</b>	 <b>Vatsalya Polineni</b>  <b>₹60LPA</b>	 <b>Lakshmi Prasanna</b>  <b>₹45LPA</b>
 <b>Pavitra Reddy</b>  <b>₹44LPA</b>	 <b>Putta Reddy</b>  <b>₹32LPA</b>	 <b>Hakeem Aswath Basha</b>  <b>₹32LPA</b>	 <b>Raparti G Aamreen</b>  <b>₹32LPA</b>

### VIBRANT CAMPUS LIFE

- 65+ Hobby Clubs
- 13 IEEE Technical Societies
- 12 ACM Special Interest Groups
- 45 Acre CCTV Secured Campus
- Sports Infrastructure for Cricket, Basketball, Football, Badminton, Volleyball, Lawn Tennis
- 5 Star Rated Hostel Facility



### GLOBAL ADVANTAGE @MBU



International collaborations with Top 100 Global Universities for Student Exchange and Study Abroad Programs

### JOINT CERTIFICATION PROGRAMS WITH TOP INTERNATIONAL UNIVERSITIES



### RANKINGS AND ACCREDITATIONS\*



Ranked 201-300 Band



Ranked 51-100 Band-2023



Accredited Programs



AICTE-CII Survey Platinum Category

**SII GREEN RANKINGS 2023**  
Listed in Top 20 Universities of India

**DIAMOND BAND**  
MHW RANKINGS 2023



**RANKED 3.5 STAR**

\*All the Accreditations and Recognitions are for SVET Colleges now known as Mohan Babu University



To apply, call on **946 9465 946** or visit <http://admissions.mbu.asia/>  
 Campus - Sree Sainath Nagar, Tirupati, Andhra Pradesh - 517102  
 Email: [admissions@mbu.asia](mailto:admissions@mbu.asia)



# TRANSFORMING AUTOMOTIVE ENGINEERING WITH CUTTING-EDGE EV TECHNOLOGY

**B.TECH - MECHANICAL ENGINEERING**  
 (Advanced Specialization in Electric Vehicles in Academic Collaboration with L&T)  
 @ MBU



**“Dream Big. Achieve Bigger.”**  
**Dr. M Mohan Babu**  
 Chancellor, Mohan Babu University

The B.Tech in Mechanical Engineering with Advanced Specialization in Electric Vehicle (EV) Technology is a forward-thinking four-year program designed to meet the growing demand for skilled professionals in the green transportation sector. Offered by Mohan Babu University in academic collaboration with Larsen & Toubro (L&T), this program equips students with the expertise to lead the revolution in sustainable and eco-friendly automotive solutions.

This unique program blends fundamental mechanical engineering principles with advanced knowledge of EV technology, creating a multidisciplinary learning experience. It provides students with a robust understanding of electric vehicle powertrains, advanced battery systems, energy management, and charging infrastructure. The curriculum focuses on the complete life cycle of electric vehicles, from design and development to testing and optimization, ensuring that graduates are fully prepared to innovate in the automotive sector.

Through hands-on experience with industry-standard tools such as SolidWorks, MSC Adams, and MATLAB, students gain practical skills in designing, simulating, and analyzing EV systems. Additionally, the course covers key topics like hybrid and hydrogen fuel cell vehicles, sustainable automotive practices, and data analytics for performance optimization. With this advanced specialization, students are empowered to drive the future of electric mobility and shape the global shift toward greener transportation.

## PROGRAM HIGHLIGHTS

- **Industry Collaboration:** Designed in partnership with L&T, ensuring alignment with industry standards and trends.
- **Comprehensive Curriculum:** In-depth exploration of EV powertrains, battery technology, energy management, and sustainable automotive practices.
- **Cutting-Edge Tools & Software:** Hands-on experience with SolidWorks, MSC Adams, and MATLAB for design, simulation, and analysis.
- **Interdisciplinary Approach:** Learn about electric, hybrid, and hydrogen fuel cell vehicles along with automotive cybersecurity and data analytics.
- **Future-Ready Skills:** Gain expertise in designing and homologating electric vehicles, optimizing performance, and working with advanced simulation tools.

## WHY CHOOSE THIS PROGRAM?

### THE MBU ADVANTAGE

#### 1. Specialized Knowledge

- Understand the principles of EV and hybrid EV technologies.
- Study advanced battery technologies and sustainable automotive systems.

#### 2. Practical Learning

- Hands-on training in sketching, modeling, and simulation of EV systems.
- Develop skills to design and test EV components and systems in real-world scenarios.

#### 3. Career Opportunities

- Graduates are equipped to excel in roles such as EV Design Engineer, Battery Specialist, Energy Management Analyst, and more, across automotive and energy sectors.

## INSTITUTIONAL PLACEMENTS

**110+**  
Multinational Corporations  
visited in 2023-24 with  
**1800+** offers

**20%**  
Growth in highest  
package with the  
highest being  
**60 Lakhs**

Students got offers from  
**Google** at a package of  
**60 Lakhs** & a package of  
**44 Lakhs** from  
**amazon** & **YugaByte**

**45%**  
students placed in  
MNCs with a  
package above  
**6 Lakhs**

