







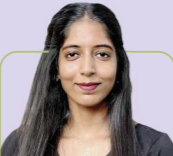
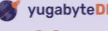










## DREAM JOBS BEGIN @MBU

 <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



Listed in Top 20 Universities of India



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)



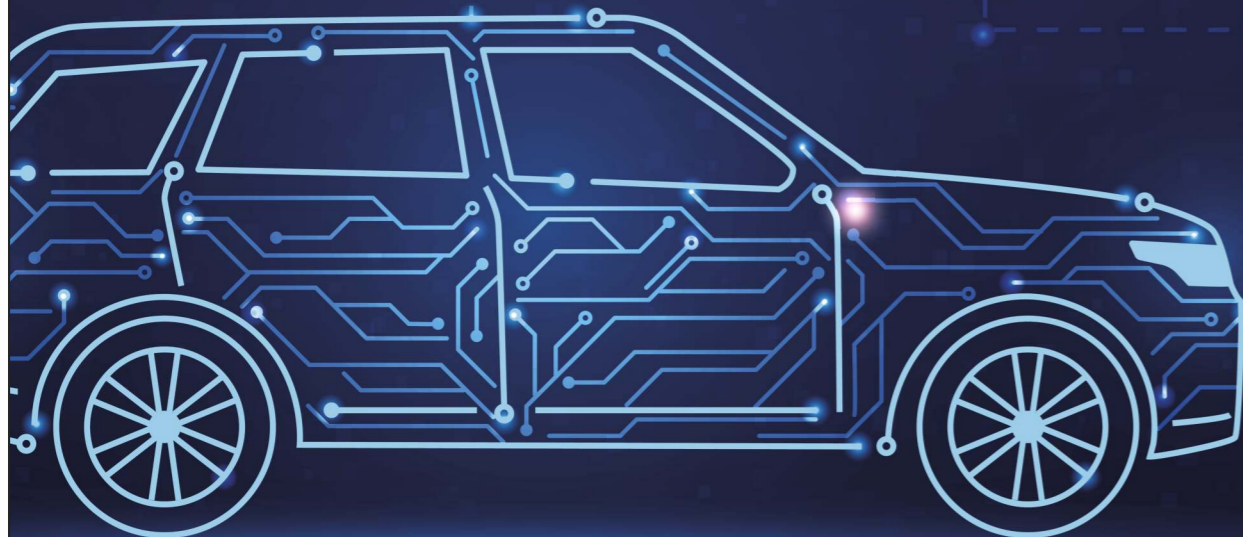
# Empowering the Future with Cutting-Edge EV Electrical Systems

**B.Tech - Electrical and Electronics Engineering**  
 (Advanced Specialization in Electric Vehicles in Academic Collaboration with L&T) @ MBU



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

The B.Tech in Electrical and Electronics Engineering with Advanced Specialization in Electric Vehicle (EV) Technology is an advanced four-year undergraduate program meticulously designed to meet the demands of the rapidly evolving electric vehicle industry. This program offers a blend of strong fundamentals in electrical and electronics engineering with specialized knowledge in EV technology, preparing students to excel in one of the most transformative fields of the 21st century. Offered by Mohan Babu University in collaboration with Larsen & Toubro (L&T), a leader in engineering and technology, the course focuses on developing expertise in areas such as EV power systems, electronics, energy management, and charging infrastructure. With this program, students are empowered to shape the future of transportation and energy solutions while contributing to the global push towards sustainability.



## PROGRAM HIGHLIGHTS

- **Industry Collaboration:** Program developed with L&T, aligning with current industry needs and emerging technologies.
- **Innovative Curriculum:** Comprehensive study of EV power electronics, motor drives, charging systems, and energy storage solutions.
- **Hands-On Experience:** Exposure to real-world tools like MATLAB/Simulink, PSCAD, and ANSYS for design and simulation.
- **Sustainable Focus:** Strong emphasis on renewable energy integration and sustainable transportation practices.
- **Career Readiness:** Training in EV-specific software and technologies to prepare graduates for a global industry.

## WHY CHOOSE THIS PROGRAM?

### THE MBU ADVANTAGE

#### 1. Core Expertise

- Deep dive into power electronics for EV systems, battery management, and motor drives.
- In-depth understanding of EV charging infrastructure and renewable energy integration.

#### 2. Real-World Application

- Hands-on training in electrical design, simulation, and control of EV systems.
- Develop and analyze energy-efficient systems using advanced simulation software.

#### 3. Promising Careers

- Graduates can pursue careers as Power Electronics Engineers, EV Infrastructure Specialists, Battery Management Engineers, and more in top-tier automotive and energy companies.

## PROGRAM OBJECTIVES

- Master the principles of electric and hybrid electric vehicles.
- Analyze EV performance through advanced modeling and simulation tools.
- Design and optimize battery management systems (BMS) and motor drives.
- Develop and test charging systems and infrastructure for EV deployment.
- Learn to apply control strategies for EV architectures, including hybrid and fuel-cell vehicles.
- Utilize cutting-edge tools like MATLAB, PSCAD, and ANSYS to design and simulate EV systems.

## INSTITUTIONAL PLACEMENTS

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

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

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

Students got offers from

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