

# Electric Vehicle Club

## AY 2021-22

AIT ELECTRIC VEHICLE CLUB aspires:

1. To explore the state-of-art-technology behind Electric Vehicles and to create an environment conducive for research by encouraging and motivating students to enhance their engineering skills through project-based learning.
2. To provide opportunities for young minds to absorb and learn the cutting-edge technologies used in the ever-growing EC scenario by engaging them in hands-on projects

### MISSION

1. To unite students in an educational environment and provide them a platform where they can improve their technical skills with research based projects based on EV.
2. To promote awareness among the students about the importance of the EV and the available opportunities, and to encourage their minds to invest their time in this field.
3. To engage the students in innovation, develop strong technical skills, build team qualities like cooperation, perseverance and self-confidence by giving them experience in organising events like project-based competitions, holding webinars and endless opportunities to learn .

Name of faculty in-charges	
1	Dr. P B Karandikar
2	Dr Ashwini Sapkal
3	Prof Mrs Preeti Warriar
4	Prof Rajesh Godse
5	Mr AG Jirgale, Mr S G Joshi, Mrs Deepali Apraj, Mr BD Sonawane
Name of Student Secretaries	
1	Bharat S , Manojkumar (Secretaries)
2	Kumar Som, Gaurav Kumar,Himanshu Singh(Joint Secretaries)
Budget Allocated by Institute	Rs 60000
Sponsorship received for setting up lab	Rs 10,00,000 (From Prof Mrs Asha Suhas Gogate to set up EV lab with name of Lt Col Suhas Gogate lab ) Tool kit of Rs 8000 is given by Mr Devinder Singh, VP of Stanley Black & Decker India Private Limited No. 28, "Akemps", 1st Floor, 3rd Main, 1st Cross, Ashwini Layout, Koramangala Intermediate Ring Road, Bangalore - 560047
Intra college event	Nil (newly formed Club)
Inter college event	Nil

## ACHIEVEMENTS

- \* Battery capacity testing facility is developed
- \* One e cycle – PIMO is available for trials
- \* Tool kits required for projects are made available
- \* One bike – Detel Easy is available for projects
- \* EV charging station is taken up as BE project
- \* EV wireless charging development is taken up as BE project under guidance of Prof Mrs Preeti Warriar
- \* Cycle rickshaw conversion to electric mode is taken up as project by SE mech students under guidance of Prof Rajesh Godse sir
- \* One two wheeler is converted as retrofitted vehicle by Sahil Uttekar of BE Mech student



e-bike :PIMO



Nitrogen/air filling station



Retrofitted scooter

**ARMY INSTITUTE OF TECHNOLOGY**

**Lt. Col. Suhas Gogate Laboratory**

**Major Equipments**

- E-Rickshaw
- E-bikes
- Motor Testing Unit
- Battery capacity tester
- EV charging station
- Nitrogen filling pump
- Vehicle-lift ramp
- DC energy meters
- BLDC motors
- Batteries

**ARMY INSTITUTE OF TECHNOLOGY**

Lab Name : Lt. Col.Suhas Gogate Laboratory  
Sponsor : Prof.Mrs Asha Suhas Gogate  
Sponsorship : 10,00,000 INR  
Description : Centralized R&D Lab for Electric Vehicles  
Area : 56 sqm

