

## AUTOMOBILE CLUB:

### SAEINDIA-ACET:

In the Department of Mechanical Engineering of Aditya College of Engineering & Technology, under SAEINDIA total 55 members of students from Mechanical, Electrical and Electronics, Electronics and communication Engineering are actively participating in the events of SAE BAJA. All the Automobile club students are participating in several activities. Here is a list which indicates the previous activities of Automobile club.

*Table 1 Activities of Automobile club from 2016-17 onwards*

Sl. No	Academic Year	Semester	Particulars/Event	No. of Students
1	2021-22	I	SAE BAJA	25
2	2020-21	I	SAE BAJA	25
3	2019-20	II	ETWDC	10
4	2019-20	II	GOKART - STEP CONE at GMRIT	23
5	2019-20	II	GOKART - SIEGER at ADITYA	23
6	2019-20	I	HANDS ON EXPERIENCE OF AUTOMOTIVES	208
7	2018-19	II	GOKART	18
8	2017-18	I	SAE BAJA	25
9	2016-17	II	ESVC - ISIE	25

### SAE BAJA 2021-2022:

BAJA 2022 is the event organising by SAE INDIA in three phases of virtual round for scrutinizing the participants, virtual dynamic through IPG Car maker and Physical Dynamic Event in which have to participate with Fabricated ATV.



*Figure 1 Fabrication of the ATV chassis*



## Aditya College of Engineering & Technology

Aditya Nagar, ADB Road, Surampalem – 533437

### SAE BAJA 2020-2021:

Due to pandemic situations event is completely organised through virtual mode by using IPG Car Maker for endurance of the vehicles along with other static rounds like business plan, design report. In this event totally 25 students from Mechanical, Electrical and Electronics, Electronics and communications Engineering with two faculty advisors from Mechanical are participated.



Figure 2 Certificate of Faculty advisor



Figure 3 Certificate of student

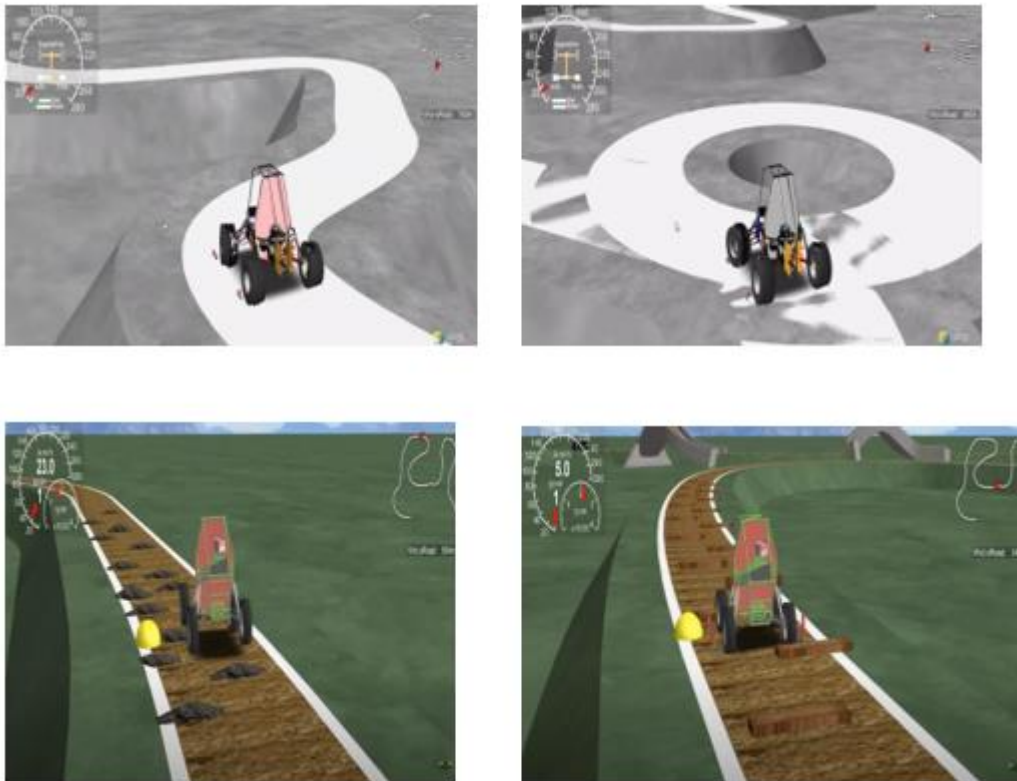


Figure 4 IPG Car Maker Simulation test ride for Endurance

## Electric Two-Wheeler Design Challenge:

ETWDC is an event organised by SAEINDIA Southern Section. A total of 10 students from Mechanical and Electrical and Electronics Engineering with two faculty advisors are participated in this event from Aditya College of Engineering & Technology. Due to pandemic situation, the event is restricted to online only. In this event, three phases of Design report-1, Design report-2 and static event-business plan.

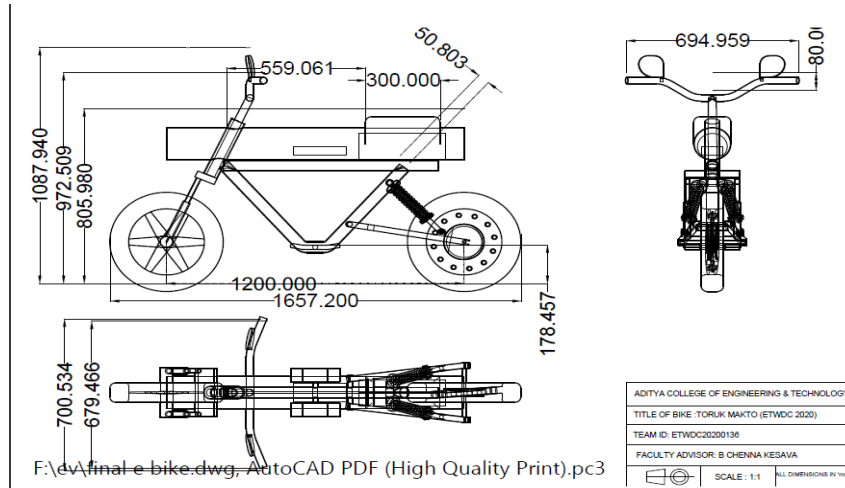


Figure 5 Master layout of Electric bike



Figure 6 3D model of the designed vehicle





Figure 7 Student Participation certificate

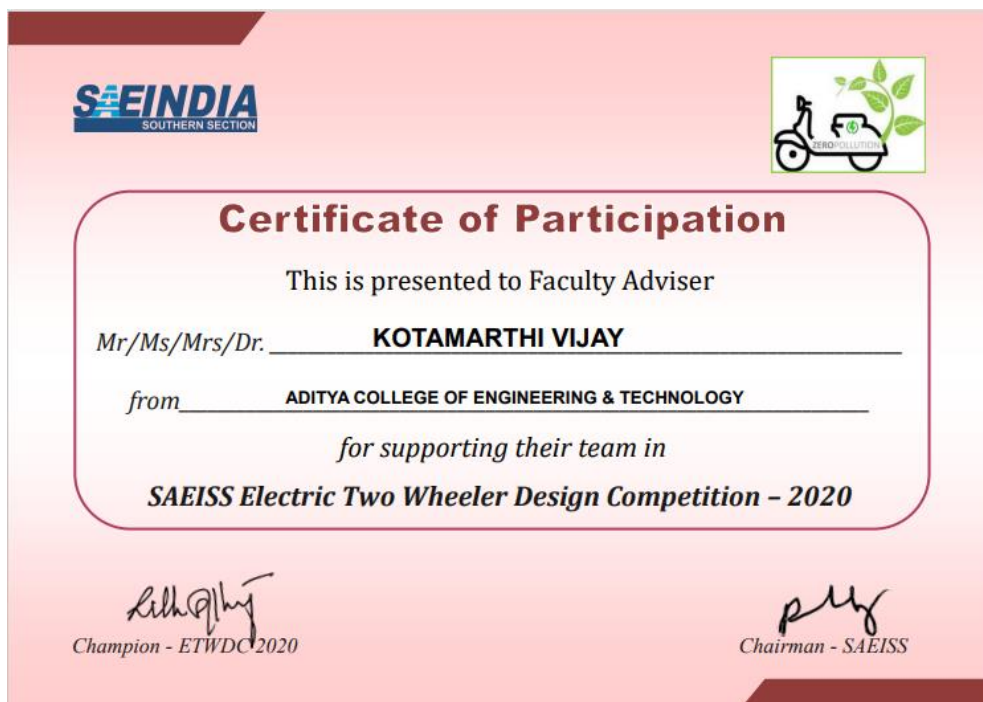


Figure 8 Faculty advisor participation certificate

# SOCIETY OF INNOVATIVE MINDS

(Registered society under Telangana Societies Registration Act 2001)

## *Certificate of Participation*

This is to certify that

Mr/Ms D. Shankar Ganesh Swamy representing  
team Cursed Infinity from Aditya  
College of Engineering participated in national level kart  
racing Pro Karting Championship Season 3 from 13th  
March to 16th March 2K19 organised by  
Society of Innovative Minds in association with  
Aditya Educational Institutions.



PRO KARTING CHAMPIONSHIP

M. Pavan Kumar

Pavan Kumar Merugu  
President  
Society of Innovative Minds



## **GOKART - SIEGER AT ADITYA**

Students of mechanical engineering has participated in Pro Karting championship 2K19 organized by society of innovative minds with Aditya educational institutions, achieved runners prize in endurance test, for which a cash prize of 15000 has been given







## GOKART - SIEGER AT ADITYA





### **Hands on experience on automotive:**

Automobile club students are encouraged to participate in automotive hands on experience as part of skill development program



*Figure 9 Explanation of the Bus chassis and parts*



*Figure 10 Differential gear box*



*Figure 11 Differential gear box*



*Figure 12 Two wheeler bike parts*



*Figure 13 Two-wheeler engine components*



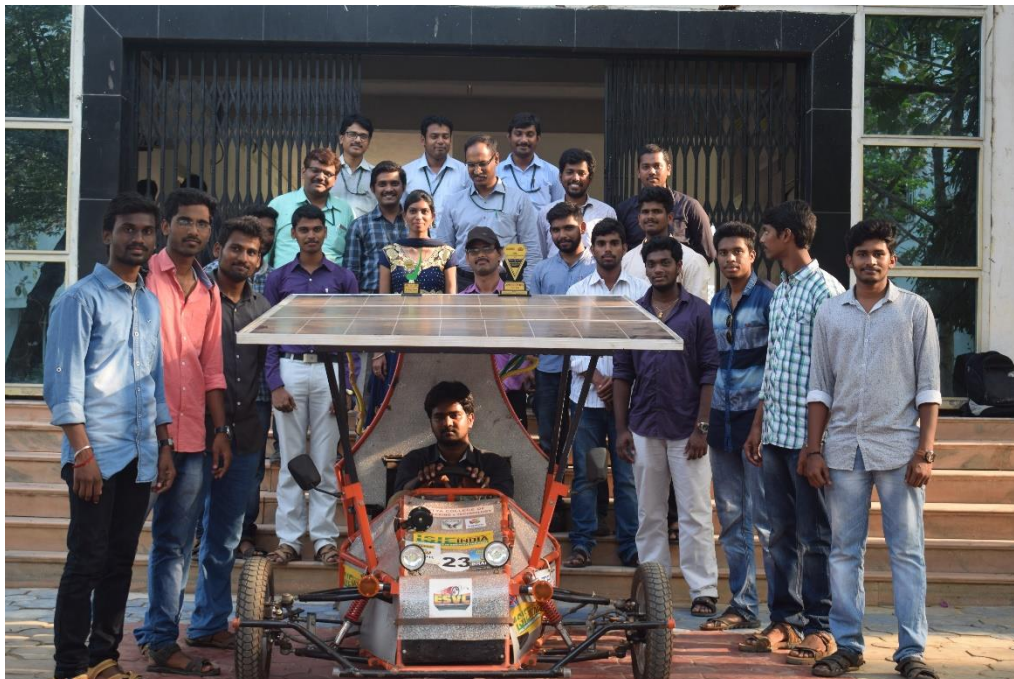
*Figure 14 Assembly of engine components*





*Figure 15 Bike chassis explanation*

### **Electric Solar Vehicle:**



*Figure 16 Appreciation from Principal*



*Figure 17 Acceleration test at ESVC – ISIE*



*Figure 18 Appreciation from Aditya Educational Group Chairman Sri N Sesha R*