# TEAM VELOCI PROGREERING, PUNE PROGREERING, PUNE



PASSION WE BREATHE...

INNOVATION WE DRIVE...





College of Engineering, Pune







# TEAM VELOCI

**COLLEGE OF ENGINEERING, PUNE** 





VAIBHAV GONDCHOR (CAPTAIN)

PURAB TAYDE
RUSHIKESH PATIL
PUSHKAR SHUKLA
SANKET JANGALE
VISHAKHA MANE
ARVIND RATHORE
NISHAD BHANAGE

VIVEK KATE
PRANOTI MALI
DIPAK KAMBLE
YASH CHANDEKAR
REVATHI BHANGALAY
VAISHNAVI SHIVRAMWAR



KAPIL DESHMUKH
ABHISHEK MISHRA
GAURAV KAPURKAR
PRATIKSHA CHAVAN
SUNILKUMAR RAJPUT
SARVESHA PALAMWAR

PARTH RATHI
AKSHAY PATIL
ROSHAN PATIL
ADITYA BABAR
NITIN RATHOD
MAHESH MANEKAR
SUSHANT DHINDALE



### **TECHNICAL INSPECTION:**

Technical Inspection is carried out to ensure that the teams abide by the rules of competition and sucessfully clear the rulebook compliances, safety-check, Electric Drive Inspection, Brake Test, Figure of 8 test and Basic Report Submissions.

### **STATIC EVENTS:**

### 1.Design Evaluation:

The team has to present all the design reports of the trike, on the basis of which the design of the vehicle is evalutaed.

#### 2.Cost Evaluation:

The team has to present an accurate cost of the vehicle in front of panel of judges.

### 3.Marketing Presentation/B-Plan:

The team has to prepare a business plan which aims to carry out mass production of vehicle and market it.

# 4. Light Weight Check:

The vehicle is expected to be as light as possible which will give maximum points to team.

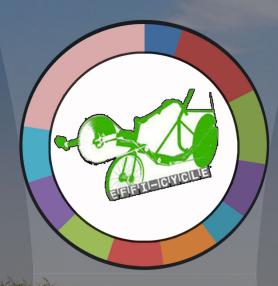
# 5.Build-Quality Check:

This check is done to ensure the strength of aesthetics of the vehicle.

### 6.Innovation Evaluation:

Teams are allowed to have any type of Mechanical as well as Electrical innovation. Practically working or theoretical Innovation system can be presented during evaluation.

# EVENT STRUCTURE



EFFI-CYCLE

## **DYNAMIC EVENTS:**

### 1.Acceleration Test:

The test decides the maximum acceleration and speed capability of the vehicle in non-race conditions.

#### 2. Maneuver Test:

This test judges the maneuverability and handling ability of the trike in non-race conditions.

### 3. Utility Test:

This test checks the general utility capability of the trike in non-race condition.

### 4. Gradient Test:

Teams show the power of their electric drive while riding on the inclined roads.

### 5.Skid-Pad Test:

This test checks the control of skidding of the vehicle in circular area of flat pavement.

### 6. Rumble Strip:

This test evaluates the durability of the vehicle under vibrations and strokes under non-race conditions.

## 7. Endurance Run:

The teams have to prove durability of their trike in race-conditions in this event.









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