

Team Ampere Motorsport India

Supra-SAE India Student Formula

Duration: Nov 2018 -Aug 2019

◆ System Overview

A competition involving the design, analysis and fabrication of a student formula vehicle by a team of 25 students from undergraduate classification to compete in several events such as Braking test, Acceleration test, Skid Pad and Endurance Race that test the performance of the vehicle fabricated.

◆ Key Contributions:

- One of the most cost-effective designs in the competition
- Complete in-house fabrication of components
- 373.2 cc (22.77 cu in) 4-stroke, liquid-cooled single cylinder engine
- Bybre 2 piston calipers with 230mm Slotted Rotors in all 4 corners
- ECU Tuning and custom mapping to have high initial torque
- Fiber Reinforced Polymer Body panels
- Designed for 95th Percentile Male criterion
- Generative Design for Suspension Parts

