

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC - AUTONOMOUS)

Report on
The Participation of MITS Students in
SUPRA SAEINDIA 2019
at
Buddh International Circuit, Greater Noida, U.P.
15 - 20 July 2019



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About the Event: SUPRA SAEINDIA 2019 was held during 15th - 20th July 2019 at Buddh International Circuit, Greater Noida, U.P.

Our College team "Mits Sparkers" participated in the event for the first time.

Organizers: Maruti Suzuki India is the title sponsor of Supra India 2019. Other sponsors to the event include AVL, Altair, Ansys, Castrol, Dassault Systems, Math works, MRF, Siemens, BPCL, Continental, Weisstechnik, Wheels India Ltd, Adams and ATS. The event was judged by a panel comprising 100 eminent experts from the automotive industry and Motorsports Fraternity including three international experts from Germany. SAEINDIA, the Indian chapter of the Society of Automotive Engineers has been organizing the event for its sixth consecutive year, which sees students from engineering colleges across the country battle it out against each other in their quest to apply their technical knowledge on the ground by conceptualizing and developing a formula racing car. Guided by a standard rule book, the Formula Supra requires teams to build a single-seat race vehicle, using an engine having a maximum capacity of 610cc. With numerous other guidelines over the construction, dynamics and safety of the vehicle, students attempt their hands at designing the car by utilizing various computer aided tools like CATIA, Unigraphics, ANSYS, etc. SUPRA SAEINDIA 2019 drew a record number of participants this year, with 176 teams. The events consist a total of 1000 points distributed evenly in the different static and dynamic events.

Static Events

- Marketing Presentation
- Engineering Design
- Cost Evaluation

Dynamic Events

- Acceleration Event
- Skid-Pad Event
- Autocross Event
- Endurance

Day 1: 15th July, 2019 - the day of registration.

Day 2: 16th July, 2019 witnessed the start of Technical Inspection Round - includes technical inspection from the rule book, noise test, tilt table test, driver egress test and brake test. The teams which completed all the rounds of technical inspection were allowed to run their vehicle for the final endurance.

Day 3: 17th July, 2019 - technical rounds along with different static events continued.

Day 4: 18th July, 2019 started with the dynamic events. The teams that completed their technical rounds of inspection were allowed for the different dynamic events. Static Events also went on simultaneously. The teams appeared for the respective inspections as per the schedule allotted to them for the static rounds.

Day 5: 19th July, 2019 Static Events were closed by noon. The Brake test of technical round and the dynamic events were closed by 5 P.M. followed by Drivers safety briefing & Track Walk.

Day 6: 20th July, 2019 was the final day of Supra SAE India 2019. This day witnessed the final endurance run. The day ended with the valedictory ceremony.

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AWARD

