



Team DJS Speedsters 2019-20 Season Report

ABOUT THE TEAM

DJS Speedsters, the official **E-Bike Team** of **DJ Sanghvi College of Engineering**, is a team of 21 undergraduate students of Second, Third and Fourth Year of Engineering. The team is **Mumbai's first Electric Motorcycle College Team**. The team designs and fabricates an Electric Motorbike, which represents the college in various competitions held not only in India but also international.

The Team in its first season in the year 2018 finished at 7th place overall at the Asian E-Bike Challenge. Though the team didn't earn many laurels, the members had enough experience and skills now to ensure that the next season would be much better and with a new batch of youngsters, the desire to win was more than ever.



DJS Speedsters' 2019's E-bike.

THE COMPETITONS

ASIAN E-BIKE CHALLENGE



Asian E-Bike Challenge 2019 organized by Imagine2Innovate was held from 25th-29th September at Raghu Engineering College, Vishakhapatnam.

The main aim of the Event was to generate an interest in students in the field of Eco-Bikes and to bring a new revolution in the field of biking, which can be commercialized as a usable product for the future

generation.

Students attain comprehensive knowledge of manufacturing and fabricating a single seated DC Motor driven Vehicle to maneuver on all types of terrains. This will help them face real-world engineering design projects and other related challenges.

Over 30 teams from all over India participated in this event in order to not only be known as India's best, but also gain hands on experience regarding the processes involved in creating an E-Bike from scratch.

The participating teams first had to clear the Technical Inspection of their Bikes, which was followed by: -



- Acceleration Test
- Autocross Test
- Terrain Test
- Weight Test
- Endurance Test

Along with these, there were also other static events: -

- B Plan
- Start-up Idea
- Bike Budget Report
- Bike teaser video, Photography, etc.

The total points accumulated over the course of all these events would decide the winners.



RESULTS

Every team in the competition had given their 100% in the hope of being called India's Best. DJS Speedsters too had worked day and night for months. After 5 days of the competition, during which not only the E-Bike, but also the members were put to various tests, the results were finally announced.

Team DJS Speedsters not only stood **Overall First at AEBC 2019**, but also had the following other achievements: -

- **Best Engineering Design**
- **Best Start-up Idea**
- **Best Budget Plan**
- **Overall Static Events Winner**



E-BIKE RACING CHALLENGE

Having won the AEBC competition, the team was riding a wave of momentum en route to its next competition- the **E-Bike Racing Challenge**, organized by AMT MotoCorp, held from Jan 13-16th at O.P. Jindal University, Chhattisgarh. The team did not rest on its past glory and further worked upon the bike for the next 3 months to retain its crown.



All the teams who wished to participate in EBRC had to submit a progress report as an eligibility criteria for the competition. Out of the 40+ teams that had registered, only 10 teams were selected for the final dynamic events round and DJS Speedsters was one of them.

The competition at EBRC was of a higher level- new, promising teams had shown up and the teams of the former competitions had further optimized their bikes. The events of EBRC were similar to those of AEBC: -



- First was the Technical and Design Inspection of the E-Bike, in which the judges questioned from A to Z about the mechanics and mathematics involved in the manufacturing of the motorcycle.
- Then came the Acceleration & Brakes Test
- Followed by Autocross Event
- And then finally, the 2hrs long Endurance Run



RESULTS

Over the course of the competition, DJS Speedsters had given everything they had across all the static and dynamic events. During the prize distribution ceremony, the team was anxious and excited to know where they stood. At the E-Bike Racing Challenge, Team DJS Speedsters was declared as **the Overall Runner Up of the competition.**



Congratulations to All! Best wishes.