



RNS Institute of Technology

Department of Mechanical Engineering

SHWETHASHWA RACING

Shwethaswa Racing was started at RNSIT in the year 2018 by a group of like-minded students under the guidance of staff and HoD of Mechanical Engineering Department with the support of Principal and Management. The purpose of this team is to **encourage students to gain hands-on practical experience, while applying engineering theories studied in the classroom**. In addition, students learn the art of management and teamwork, which are essential skills required in the 'real-world'. These student teams are required to build a new vehicle from scratch year-after-year and seek sponsorship and donations by their own means to fund the project.

The core team of Shwethaswa Racing consists of two faculty coordinators, Sridhar N Shastry and Rakesh R from Mechanical Engineering Department. It consists of a group manager, technical team head, subsystem heads and team members of subsystems from 2nd, 3rd and 4th Year of Mechanical Engineering Department, Electronics and Communication Department and Electrical and Electronics Department. The Club also has the members from other departments for sponsorship team, recruiting team, social media handling team and publicity team.

FORMULA BHARAT VIRTUALS 2021

Formula Bharat is an Indian Formula Student - style engineering design competition in which students from colleges and universities all over the country, compete with a life-size formula-style vehicle in areas of engineering design, overall cost, marketability and dynamic performance. The series replicates **the global student Formula series** hosted in around 11 countries per year.

The purpose of the **Virtual at Formula Bharat (FBV)** event is to provide teams who are either building a new Formula Student team or switching to a new class or unable to build a vehicle for the season, to participate in a Formula Student event in the season. The FBV 21-22 event will be based on the Formula Bharat 2022 rules and will also consist of a virtual racing component, Rev-it!

About 63 teams across India participated in the competition, Shwethashwa Racing being one of them. The Competition consisted of many technical report submissions and deadlines.

ACHIEVEMENTS OF THE TEAM AT THE EVENT:

Team Shwethashwa Racing qualified to take part in the event by clearing the preliminary quiz test.

The group of 37 members in the team Shwethashwa Racing actively participated in the event through its various phases.

The Team catered to all the guidelines of the event and displayed their engineering prospects. The Team successfully submitted all the documentations and reports on time.

The event started on July 10th 2021 and concluded with awarding ceremony on November 2nd 2021.

The Team was placed at 27th ranking among the 63 teams that participated at the end of the event. 27th Ranking is a very commendable effort for fresher's team in a National Event like Formula Bharat. The Team also received positive feedback from the juries of the event.

The Team also excelled in the sub-event Revit! Virtual Racing. Mr Surya of Shwethashwa Racing has been awarded for the Best Driver (Drag Race) in the Virtual Simulation Racing.