



# PSI RACING

## Foreword from the Core of '20-'21



The hurdles that the pandemic presented for the term of 2020-2021 were daunting. Yet, we galloped over them to finish a record-equalling 5th best out of the 150 teams participating in the most prestigious off-road buggy design event in the country, BAJA SAE India 2021. The achievement resulted from the remarkable adaptability and unity that each of the 32 members of the team showed while working relentlessly towards Racing Our Dreams.

# INITIATIVES

## **Complete All-Terrain Vehicle Simulation**

The pandemic meant that physical manufacturing of the ATV was impossible. Still, we built the complete car in a virtual mode using CarMaker, an IPG Automotive software tool used by automotive industries across the world to model and simulate cars.

## **Four Wheel Drive ATV**

We have started the foundation for fabricating a 4WD ATV for the first time since our club's inception. A basic CAD layout and FEA analyses have been done for the 4WD ATV.





# EVENTS

## Techathlon 21'

The annual Techathlon workshop was conducted along with DC, NITT, where we had sessions on Automotive Engineering, Data Acquisition Systems, the basics of finite element analysis and hands-on sessions on DAQ systems and FEA.

## Whreels Quiz

We conducted the Whreels quiz for the first time this year, with the quiz being based on automobile related Movie trivia.

# COMPETITIONS

## BAJA SAE India 2021: All India Ranks

- Preliminary Quiz: 2nd of 150
- Design Event: 5th of 150
- Cost Event: 1st of 150
- Overall Rank: 5th of 150
- Gradeability Event: 3rd of 150
- Maneuverability Event: 3rd of 150
- Overall Dynamic Events: 4th of 150





