

# My contribution to Team Eta

## (Co-curricular activities)

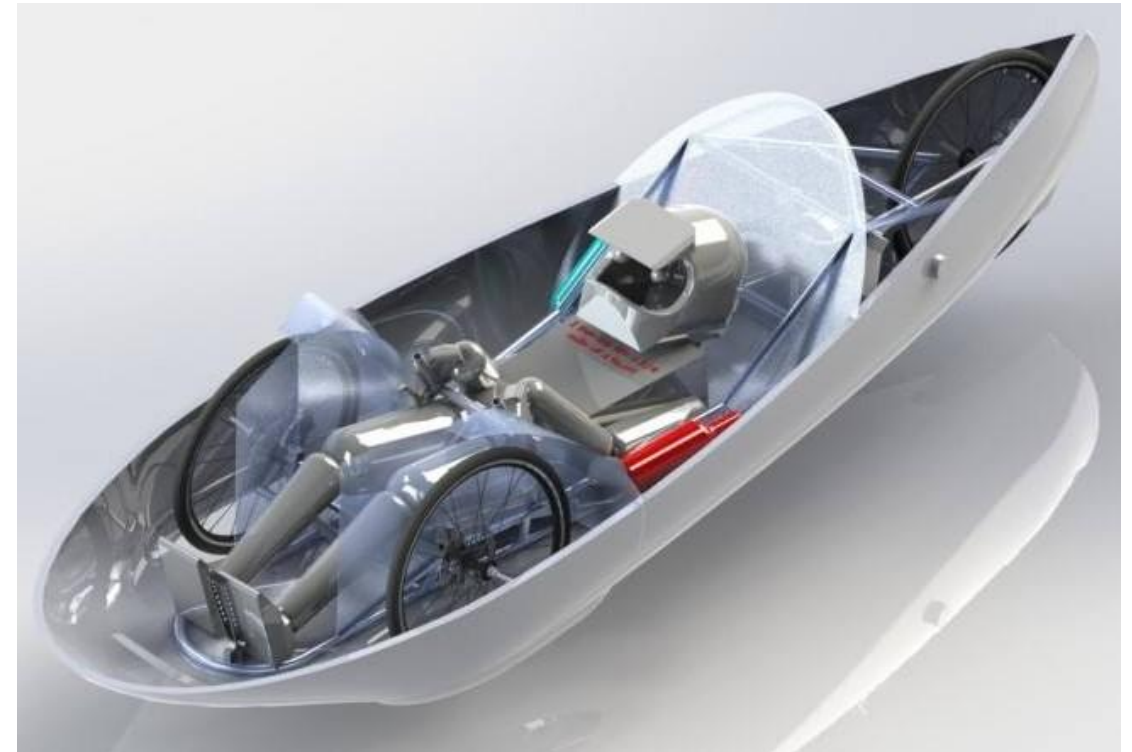
### Technical Director & Coordinator (Shell ECO Marathon 2014 & 2015):

- I directed the engineering of a 35cc single-seater fuel-efficient prototype car for the Shell Eco-Marathon.
- My responsibilities included setting technical goals, optimizing designs, and ensuring that all team members' parts were compatible with dependent systems.
- I led a team of 30 students to design, manufacture, and test the prototype within 280 days.
- Collaborated with industries to develop manufacturing strategies in areas of rapid prototyping, Carbon fibre composite manufacturing, frame fixturing, CNC machining and case hardening.
- Created a test plan of 300 Km for vehicle performance tuning and verification of system parameters.
- Competed in the Shell Eco-Marathon Asia 2015, ranking first in India and fifth in Asia among 120 teams from 17 countries, achieving a fuel efficiency of 153 km/L.
- Competed at Shell Eco-Marathon Asia 2014 – (Only Indian team to complete all inspections and run the car on track).

### CAD Design & Manufacturing Drawing Manager (Shell ECO Marathon 2013, 2014 & 2015):

- We had a special sub-team for designing car subsystems, such as the chassis, drivetrain, powertrain, steering, suspension, and brakes. The CAD manager's responsibility was to ensure that all parts from the subsystems fit onto the chassis and with each other. I contributed as a CAD manager for three years.
- Responsibility also included making assembly drawings and BOM.

### J-14 CAD Design for Shell Eco-Marathon 2014 :



### Arya CAD Design for Shell Eco-Marathon 2015 :

