

A Report on
‘ Bharath Formula Karting Season - 4’

From 26th to 28th August 2020 at Kari Motor Speedway, Coimbatore

Organized by CADD Technologies of School of Design.

Team Prodigy Racers had decided to participate in the event ***Bharath Formula Karting Season - 4***, Powered by CADD Technologies of School of design. It is a student karting competition to explore the theoretical and motorsports skill set of engineering students. This was our first time participating in this event, the previous year our team had competed in the ***Indian Karting championship Season - 3*** which is similar to BFKCT rules and vehicle dimensions so the same Go-kart will be powered for the BFKCT event as well.

So on this note our Go-Kart was ready to take part in this event without any major changes to the vehicle, we have serviced our engine for better performance and changed the acceleration and clutch lines and our Go-kart was race fit.

We have recruited new team members to train them in the aspects of fabrication and motorsports on the context of how to build a Race ready Go-kart and all the vehicle dynamics and safety rules and regulations with Structural Analysis and CAD modeling of our Go-kart to take part in the Virtual Round of the BFKCT event.

We have upgraded our Engine Mounts by adding an external support at the front of the engine and we have placed a big engine bedding at the bottom of the engine to reduce the vibrations from the engine and making it more stable. we had planned to test our Go-kart with different sprockets and chain length to gain the best optimum torque and speed relation in hope of getting even better results in this event.

The team had registered to the event on 16th march 2020 after forming a new team, Permissions were taken from Dr.K Rama Narasimha, Principal, KSSEM; Dr. Balaji B, Head, Dept. of Mech. Engg and permission from Dr. T V Govindaraju, Principal KSIT and Prof. Umashankar M, Head, Dept. of Mech. Engg and Dr. Nagaprasad K S, Prof of Mech. Engg KSIT.

TEAM DETAILS:

- Faculty advisors: • **Dr. Nagaprasad. K.S.**
• **Dr. Balaji B**

SI No	Team Members	Year of Study	Role
1	Kushal Rao R	3rd	Transmission
2	Arjun Prasad	3rd	Brakes
3	Karthik S D	3rd	Frame
4	Sumesh R	4th	Brakes
5	Supreeth K R	4th	Steering
6	Harshith Srinivas	4th	Frame
7	Jeevan Kumar	3rd	Frame
8	Jagruth M	1st	Frame
9	Nihal M L	1st	Transmission
10	Mohammed Fauzan	3rd	Transmission
11	Nagesh B U	3rd	Steering
12	Ruthvik T	1st	Steering
13	Dheeraj Sai	3rd	Brakes
14	Radhakrishna	1st	Brakes



Photograph 1 : Adding support to Engine Mount



Photograph 2 : Testing at college



Photograph 3 : Vehicle on Track



Photograph 4 : Team Prodigy Racers

Due to COVID-19 pandemic the event has been postponed as there was a serious spike in active cases. The event has been postponed to next next year August 2021. The registration fee which we had deposited now will be carried out to next year. In which the same team or different team members can will participate in the Bharath Formula Karting.

Submitted by: Team Prodigy Racers, KSIT, Bangalore
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