

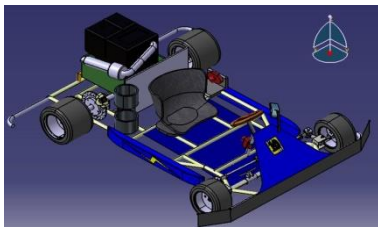
Go-kart Design Challenge (GKDC)

A colligative competition for designing and fabricating a go-kart provided with a standard engine. Evaluation of the feasibility of go-kart is based on various test conducted by the organisers, Indian Society of New Era Engineering (ISNEE). There are two rounds conducted

- 1) Design verification round
- 2) Fabrication verification round

Around 197 colleges have participated in the design verification round in Indore where we students from UVCE presented our go-kart under the name **eMpower UVCE**, around 118 colleges were selected to proceed towards the fabrication round in which we stood at 31st position.

We learnt a lot about teamwork, documentation of a project, sacrifices for a team, resolving feuds and overnight efficiency.



VIRTUAL DESIGN

After our Design verification round a team of 22 members started to work on the kart by bring out individual talent and implementing and investing time for the team. Manufacturing a vehicle from scratch will invite immense problems which can be only dealt with critical thinking and swift action.



The workshop



The basic Prototype

As we geared up for the final competition at KARI MOTOR SPEEDWAY Coimbatore. We had experienced so many things at such a compact time with a constant vigour any dilemma projected at us were dealt with efficiency and accuracy.

The event was forecasted to endure 4 days of constant evaluation of the go-kart.



THE GO-KART



THE TEAM

Extensive tests were conducted by ISNEE .

Technical inspection, Brake inspection, Acceleration test were the basic criteria which had to be met to stay in the competition and we cruised through them, of course we did face problems but for our determination and critical thinking they were no match.

We were able to secure 21st position thanks to our team members determination, consistency, presence of mind and adaptability.

We would like to thank our Heroes, The Principal Dr.K R Venugopal, Mechanical Head of department Dr.N. Lakshmanswamy, Advisor faculty Dr. Chittappa, Mechanical Seniors - 2011-2015 Batch and 2012-2016 Batch and Vision UVCE for making this project a success with constant guidance and encouragement.