

PRAGATI ENGINEERING COLLEGE (Autonomous)

DEPARTMENT OF MECHANICAL ENGINEERING

Dt: 18-09-2025
Surampalem

CIRCULAR

It is here by informed to Mechanical Engineering students of B.Tech. III Year students that Go-Kart club in association with IE (I), Local Chapter of Mechanical Engineering Department is going to organize a seminar on **“Design, Modelling and Development of Go-Kart Vehicle ”** on 20-09-2025 in association with Mechanical Engineering.

Venue: Machine Tool laboratory

Time: 2:00 PM to 3:30PM



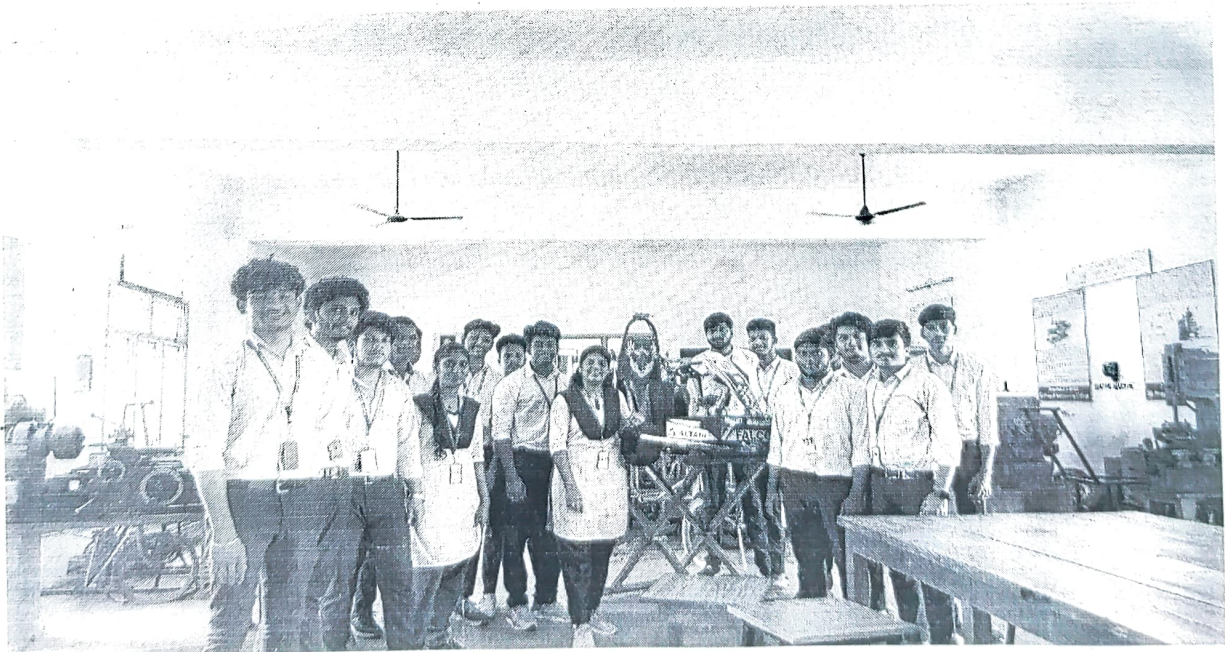
PRAGATI ENGINEERING COLLEGE: SURMAPALEM (AUTONOMOUS)

Report on “Design, Modelling and Development of Go-Kart Vehicle”

Date: 20-09-2025

A One-day programme on 20th September 2025 about “**Design, Modelling and Development of Go-Kart Vehicle**” which was organized by Go-Kart Club in association with IE (I) Local chapter of Mechanical Engineering Department, Pragati Engineering College.

In this seminar student coordinators of Go-Kart club of our college, Mr M. Shanmukha Srinivas, Mr. O. Surya Rao, Mr.K. Kamesh Rao and Mr.K. Satwik, has taken the initiative explained about the design process of the vehicle which is based on various engineering aspects such as design, modelling and development. For this session a total of 29 students from third year of mechanical department have attended.



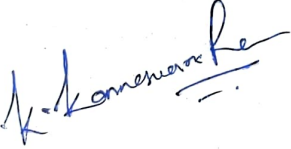
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Students were taught how to apply for the upcoming events and challenges to be faced in events, as they are the one who will be leading the Go-Kart in the coming years. Have given the deep introduction about the design and its aspects. How analysis of the frames should be done the process behind it using various modelling software like Creo and Ansys, features involved in go-kart designing software.

Chassis Design

- Explore materials like mild steel, aluminum, and chromoly for strength vs. weight trade-offs.
- Study frame geometry and how it impacts rigidity and safety.
- Use CAD tools like Solid Works or CREO for modeling.

Mr. M. Sunil Raj, faculty Co-ordinator of Go-Kart club, Mechanical Engineering Department, appreciated the students for their efforts.


Student Coordinator(s)


Faculty Coordinator



PRAGATI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF MECHANICAL ENGINEERING

Name of the event : Design, Modelling and Development of Go-Kart Vehicle
 Venue : MACHINE TOOLS LABORATORY
 Date : 20/09/2025

S.No	Roll No	Name	Signature
1	23A31A0304	Renuka Vijaya Durga Rutthala	R. Runka
2	23A31A0303	N. Swapna	N. Swapna
3	23A31A0302	D. Aranthi	D. Aranthi
4	23A31A0305	Revathi. M	M. Revathi
5	23A31A0351	V. Kowshik	V. Kowshik
6	23A31A0352	V. B. Trinath	V. B. Trinath
7	23A31A0348	T. Narasimhan	T. Narasimhan
8	23A31A0347	S. Uday	S. Uday
9	23A31A0344	R. Sai Karthik	R. Sai Karthik
10	24A35A0304	D. Mauli	D. Mauli
11	24A35A0305	K. Sathwik	K. Sathwik
12	24A35A0306	K. Parasuraja Kumar	K. Parasuraja Kumar
13	24A35A0307	Mh. Bala Bhavani Sankar	Mh. Bala Bhavani Sankar
14	24A35A0310	P. Rishikesh	P. Rishikesh
15	24A35A0315	S. Chandu	S. Chandu
16	24A35A0314	S. Priram	S. Priram
17	24A35A0308	M. Suresh	M. Suresh
18	24A35A0301	A. Deepak	A. Deepak
19	24A35A0303	D. Divakar	D. Divakar
20	23A31A0327	K. Sivaji	K. Sivaji
21	23A31A0326	K. Kamathwar Rao	K. Kamathwar Rao
22	23A31A0341	P. Prashanth	P. Prashanth
23	23A31A0320	B. Subhramanya	B. Subhramanya

21	23A31A0342	R. Manidheef	R. Manidheef
22	23A31A0337	P. Vamsi	P. Vamsi
23	23A31A0309	A. Surya	A. Surya
27	23A31A0314	B. Vardhan	B. Vardhan
28	23A31A0313	B. Sai Teja	B. Sai Teja
29	23A31A0346	S. Veerendra	S. Veerendra

[Signature]
INCHARGE

