



Learning is Supreme Deity

PRAGATI ENGINEERING COLLEGE

(Approved by AICTE. Permanently Affiliated to JNTUK Kakinada)
1-378, ADB Road, Surampalem – 533 437, Near Peddapuram, E.G.Dist., A.P.
Ph: (08852) – 252233, 252234, 252235 Fax: (08852) – 252232

DEPARTMENT OF MECHANICAL ENGINEERING

Surampalem
Dt: 04-09-2024

CIRCULAR

It is here by informed to all the students of B.Tech. II Year students that Go-Kart club in association with IE (I), Local Chapter of Mechanical Engineering Department is going to organize a seminar on "INTRODUCTION TO GO-KART VEHICLE " on 06.09.2024 in association with Mechanical Engineering. Interested students can enroll their names with your class teacher on or before 04-09-2024.





PRAGATI ENGINEERING COLLEGE

(Autonomous)

Institution of Engineers (India)

Local Chapter, Department of Mechanical Engineering
(PEC/MC/533437)



in Association with

Go-Kart club of Mechanical Engineering Department

conducts

Seminar

on

INTRODUCTION OF GO-KART VEHICLE

6th September'2024 from 10:00 AM onwards (Machine Tools Lab)

PRAGATI ENGINEERING COLLEGE: SURMAPALEM (AUTONOMOUS)

Report on "Introduction To GO-KART Vehicle "

Date: 06.09.2024

A seminar on Introduction to Go-Kart was conducted on 6th September 2024 about Introduction to various aspects involved in the design and development of Go-Kart vehicle chassis which was organized by Go-Kart Club in association with IE (I) Local chapter of Mechanical Engineering Department, Pragati Engineering College. In this seminar II year student coordinators of Go-Kart club of our college, Mr.P.Sarath and Mr.M.Tarun has taken the initiative and explained about the Go-Kart vehicle. The Chassis has been designed in accordance with the guidelines whilst considering factors like length, width, height. The chassis is designed in such a way that the weight of the chassis is optimum and the chassis is safe in case of an impact with other karts or the barrier present at the track. Various different iterations of the chassis were designed on Solid Works 2020 and analysed using ANSYS 2020 to finalize the optimum chassis design. For this session a total of 20 students of mechanical department were attended.



Mr.D.J.Johnson faculty Co-coordinator of Go-Kart club, Mechanical Engineering Department explained about various aspects of Go-Kart vehicle. Since the go-kart vehicle is small, quick, light, and simple to drive, it is designed for flat-track racing, it has a very poor ground clearance relative to most cars. the following factors were considered while selecting the chassis material:



The Students of 2nd year has been involved and explained them about the various aspects and for Manufacturing of the Go-Kart vehicle from the Scratch level and for attending the various Go-Kart events happening at different categories and various levels involved Go-Karting is a form of open-wheel motorsport that involves lightweight, open-wheeled vehicles with four wheels. To feel the excitement, the chassis is independent of the suspension. So choosing an appropriate material for its fabrication and the applications of Go-Kart vehicle were discussed in this seminar and he appreciated the students for their efforts.

P. Sarath

M Theerun

Student Coordinator(s)


Faculty Coordinator





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<https://www.gokartguide.com/list-of-go-kart-parts/>

Name of the event : INTRODUCTION OF GO-KART VEHICLE
Venue : MACHINE TOOLS LABORATORY
Date : 06/09/2024

S.No	Roll No	Name	Signature
1	23A31A0301	B. Sri Ranya	Ranya
2	23A31A0304	R. Renuka	Renuka
3	23A31A0305	M. Revathi	Revathi M
4	23A31A0306	S. Johanna	Johanna
5	23A31A0323	G. V. Ajay Kumar.	Ajay
6	23A31A0341	P. E. Prasanth	Prasanth
7	23A31A0342	R. Manideep	R. Manideep
8	23A31A0326	K. Kamesh Rao.	K. Kamesh Rao
9	23A31A0336	P. Ashok	Ashok
10	23A31A0348	T. Narasimhan	T. A. Narasimhan
11	23A31A0310	A. Rajesh.	Rajesh
12	23A31A0351	V. V. Kowshik	V. Kowshik
13	23A31A0352	V. V. B. Binath	V. B. Binath
14	23A31A0347	S. Uday	S. Uday
15	23A31A0330	M. Hemanth	M. Hemanth
16	23A31A0332	N. Yaswanth	N. Yaswanth
17	23A31A0316	Ch. Santhosh	Ch. Santhosh
18	23A31A0302	D. Avanthi	Avanthi
19	23A31A0303	N. Swapna	Swapna
20	23A31A0313	B. Sai Teja	Teja


INCHARGE

