



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: 09-01-2024

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 “FABRICATION OF GO-KART “on 09-01-2024 in association with Mechanical Engineering. Interested students can enroll their names with your class teacher on or before 07-01-2024.

HOD-ME



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

FABRICATION OF GO-KART VEHICLE

9th Jan'2024 from 10:00 AM onwards (ME Block)



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DEPARTMENT OF MECHANICAL ENGINEERING

Name of the event : FABRICATION OF GO-KART
Venue : Machine Tools Laboratory
Date : 09-01-2024

S.No	Roll No	Name	Signature
1	²³ A35A0324	R. Adi Narayana	R. Adi
2	22A31A0373	M. Shanmukha Srinivas	M. Shanmukha
3	22A31A0376	O. Suryarao	O. Suryarao
4	23A35A0316	AVINASH SAI GANGADA	G. Avinash Sai
5	23A35A0325	T. Mukesh Sathvik	T. Mukesh
6	23A35A0326	MD Abdul wahid	MD Abdul
7	22A31A0386	R. Rajkumar	R. Rajkumar
8	22A31A0379	P. Gunna Sekhara	P. Gunna Sekhara
9	22A31A0374	Md. Ata Ansari	Ata Ansari
10	22A31A0369	K. Ashish	K. Ashish
11	22A31A0389	S. V. Kalyan	S. V. Kalyan
12	22A31A0352	B. Maniram Ganesh	Maniram
13	22A31A0361	G. Ravi Kumar	Ravi Kumar
14	22A31A0362	K. Satya Narayana	K. Satya
15	22A31A0368	K. Sathi Babu	Sathibabu
16	22A31A0370	S. Sumanth Reddy	Sumanth
17	23A35A0319	D. Dinesh Kumar	D. Dinesh
18	23A35A0320	K. Durga Bai Mahesh	K. Mahesh
19	23A35A0322	F. Siva Sankari	F. Siva Sankari
20	23A35A0315	Abdullah. D	Abdullah. D

INCHARGE

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S.No	Roll No	Name	Signature
1	22A31A0388	Y. Raja	Y. Raja
2	22A31A0387	S. Raju	S. Raju
3	22A31A0380	P. Sri ram	P. Sri ram
4	22A31A0391	T. Suresh	T. Suresh
5	22A31A0351	B. Aravindh	B. Aravindh
6	23A35A0317	ch. Sam deep	ch. Sam deep
7	23A35A0314	R. Krishna Sri	R. Krishna Sri
8	22A31A0349	A. Uma Mahesh	A. Uma Mahesh
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INCHARGE

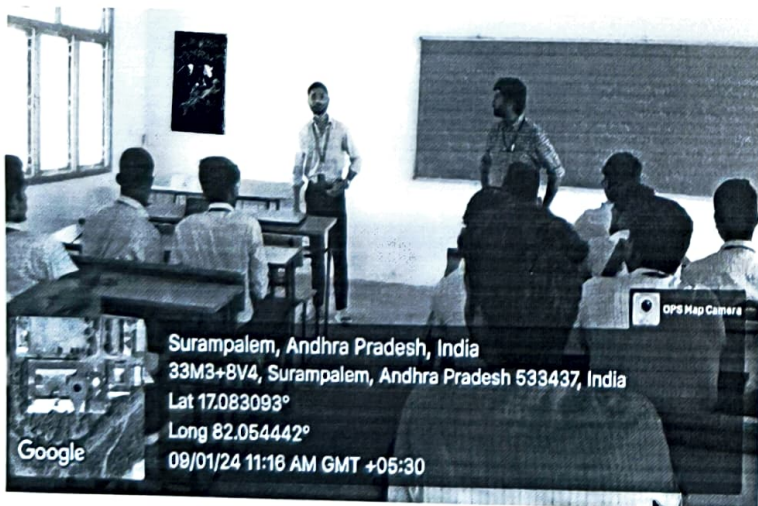

HOLDER

PRAGATI ENGINEERING COLLEGE: SURMAPALEM (AUTONOMOUS)

Report on “Fabrication Of GO-KART ”

Date: 09.01.2024

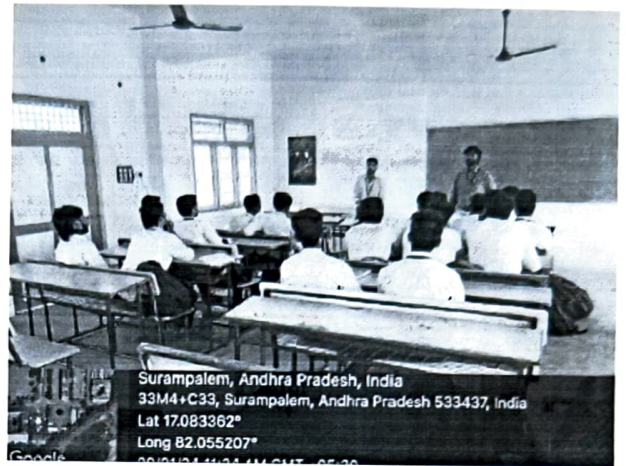
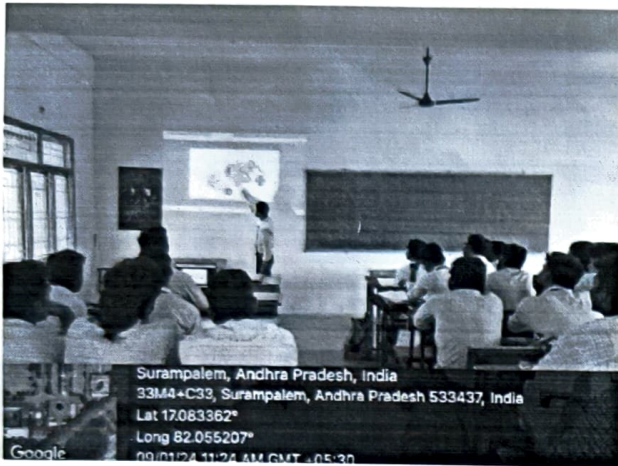
A seminar on Introduction to fabrication of Go-Kart was conducted on 9th Jan 2024 about Introduction to various aspects involved in the design and development of Go-Kart vehicle chassis which was organized by Go-Kart Club in association with IE (I) Local chapter of Mechanical Engineering Department, Pragati Engineering College. In this seminar II year student coordinators of Go-Kart club of our college, Mr.R.Adinarayana and Mr.G.Avinash Sai has taken the initiative and explained about the Go-Kart vehicle chassis. 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 28 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 chassis. 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:

1. Weight
2. Strength
3. Ease of weld
4. Chemical properties



AISI4130 was elected as the material for the chassis because of its excellent physical and chemical properties. 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.

R. Adarsh
O. Srujan

G. Avanthi

H. Ramesh

D. Abhishek
Student Coordinator(s)

J. K.
Faculty Coordinator

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