

Go-Kart Vehicle Report



Introduction:

A go-kart is a small, four-wheeled vehicle designed for recreational and competitive purposes. Typically characterized by an open chassis without a bodywork, go-karts are known for their simple design, low center of gravity, and nimble handling. They are powered by small engines, often ranging from 50cc to 250cc, though the specific engine size can vary.

Go-karts are popular for various applications, including:

Recreation: Many people enjoy go-karting as a recreational activity at amusement parks, family entertainment centers, or dedicated go-kart tracks.

Competition: Go-kart racing is a widely practiced motorsport. It serves as a stepping stone for young drivers aspiring to enter professional racing. There are different categories of go-kart racing based on factors such as age, engine size, and overall performance.

Education: Go-karts are sometimes used in educational settings, especially in engineering and automotive programs. Students may design, build, and test go-karts as part of their coursework.

Key features of go-karts include a lightweight frame, responsive steering, and a direct mechanical connection between the driver's input and the vehicle's movement. The absence of a suspension system and the low profile contribute to their agility on the track.

Overall, go-karts provide an accessible and thrilling entry point into the world of motorsports, fostering both recreational enjoyment and the development of racing skills.

The report highlights the achievements of Team METRISERS, a group of mechanical engineering students from MET's Institute of Engineering, who have manufactured and assembled the entire vehicle at the college workshop. They have been actively participating in National and International go-kart competitions since 2019. The team is sponsored by MET's Institute of Engineering for their participation in various competitions.

Recently, Team METRISERS won the **1st runner-up prize** in **National Level Prestigious Auto India Racing Championship (AIRC)** held at D. Y. Patil, COE, Lohegaon, Pune, from 25th May 2023 to 28th May 2023.

Additionally, the go-kart driver from Team METRISERS received the Best Driver Award during the competition.

Team Members

Sr.No.	Name	Sr. No.	Name
1	JayeshChaudhari (Captain)	15	OmkarJadhav
2	NinnadHanmonte (Vice Captain)	16	AnkurWavdhane
3	KalpeshAhire (Kart Driver)	17	TanviGangurde
4	Hitesh Tandale	18	Anjali Hake
5	BhaveshWagh	19	Mansi Sonawane
6	Nikhil Chitte	20	SrujalNikam
7	PrajwalAhire	21	TanviMalode
8	HarshwardhanPawar	22	Priyanka Ahire
9	Sabasayyad	23	Om Suryawanshi
10	SahilPounikar	24	Kalyanimalode
11	Pratik Pardeshi	25	Pratik Gangurde
12	AkashSajjon	26	RushikeshShelke
13	VirajPatil	27	Onkar More
14	Varad Nave	28	UdayKatyarkar









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