

DESIGN AND FABRICATION OF BRAKING SYSTEM FOR GO – KART

APROJECTREPORT

Submitted by

JAYAKUMAR M (112819114009)

KISHORE KUMAR R (112819114010)

MOHANA PRASANTH M (112819114013)

SHEFTON JOSEPH (112819114020)

In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING



T.J.S ENGINEERING COLLEGE



ANNA UNIVERSITY:CHENNAI 600025

JUNE 2022

ANNA UNIVERSITY:CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**DESIGN AND FABRICATION OF BRAKING SYSTEM FOR GO - KART**” is the bonafide work of “**JAYAKUMAR M (112819114009), KISHORE KUMAR R (112819114010), MOHANA PRASANTH M (112819114013), SHEFTON JOSEPH (112819114020)**”, who carried out the project work under my supervision.



SIGNATURE

Dr. K. KAMAL BABU, Ph.D. (NIT-T)

HEAD OF THE DEPARTMENT

PROFESSOR

MECHANICAL ENGINEERING

T.J.S ENGINEERING COLLEGE



SIGNATURE

Mr.S.SATHYA MOORTHY, M.E.,


SUPERVISOR

ASSISTANT PROFESSOR

MECHANICAL ENGINEERING

T.J.S ENGINEERING COLLEGE

Submitted for project viva-voce examination held on 22-06-2022



INTERNAL EXAMINER



EXTERNAL EXAMINER

ABSTRACT:

A Go Cart also spelled as Go Kart is a four wheeled vehicle designed and meant for racing only (though in some countries it is used for fun personal transportation). It is a small four wheeler run by I.C Engine. It is a miniature of a racing car. Go Cart is not a factory made product; it can be made by Automobile engineers.

This report documents the process and methodology to produce a low cost go-kart. Simple but innovative, we have made a simple, self-fabricated „Go Kart“, chassis formed by hollow rectangular bar, powered by Honda 150 cc engine fitted with dual disc brake. The chassis are made of steel tube. There is no suspension therefore chassis have to be flexible enough to work as a suspension and stiff enough not to break or give way on a turn.

We are replacing hollow tubular shaft with hollow rectangular shaft. The purposes of this replacement are; For the same length of tubular shaft, rectangular shaft weighs the same, for visual improvement, for better mounting ability and the main thing is, it is found that hollow rectangular shaft has more bending stress than the tubular shaft.

KEY WORDS: Go Cart, Racing Car, Bike Engine