



PROTOTYPE FABRICATION OF WATER TRASH COLLECTOR FOR WATER BODIES



A PROJECT REPORT

Submitted by

AAKASH P (710420114001)

AKASH N (710420114002)

ANUMON M T (710420114303)

PRANESH R (710420114320)

In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

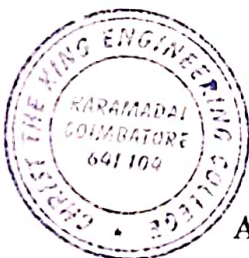
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MECHANICAL ENGINEERING

CHRIST THE KING ENGINEERING COLLEGE

KARAMADAI, COIMBATORE-641 104

ANNA UNIVERSITY: CHENNAI -600 025



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ANNA UNIVERSITY: CHENNAI 600 025

Dr. M. Jeyakumar
Dr. M. JEYAKUMAR, M.E., Ph.D.
PRINCIPAL
CHRIST THE KING ENGINEERING COLLEGE,
Chikkarampalayam Village,
Karamadai, Metturpalayam Taluk,
Coimbatore - 641 104.

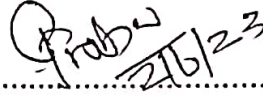
BONAFIDE CERTIFICATE

Certified that this project work titled "PROTOTYPE FABRICATION OF WATER TRASH COLLECTOR FOR WATER BODIES" is the bonafide work of AAKASH P (710420114001), AKASH N (710420114022), ANUMON M T (710420114303), and PRANESH R (710420114320) who carried out the project work under my supervision.



Mr. R.HARI PRASATH, M.E.,
HEAD OF THE DEPARTMENT

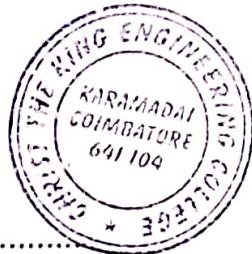
Department of Mechanical
Engineering
Christ the King Engineering College,
Karamadai, Coimbatore-641104



Mr.C.PRABHU (M.E).,
SUPERVISOR

Assistant Professor
Department of Mechanical
Engineering
Christ the King Engineering College,
Karamadai, Coimbatore- 641104

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Internal Examiner



Dr.M.JEYAKUMAR, M.E.,Ph.D.
PRINCIPAL
CHRIST THE KING ENGINEERING COLLEGE,
Chikkarampalayam Village,
Karamadai, Metturpalayam Taluk,
Coimbatore - 641 104.



External Examiner

ABSTRACT

The current worldwide garbage crisis is the result of a number of factors, including rapid economic expansion, population growth, poor municipal design, and pervasive dishonesty. This piece aims to detail a remote-controller trash collector that can be put to use clearing out rivers. Our floating, Remote-controller, battery-operated technology cleans the water bodies automatically. One further goal is to get rid of the trash floating around in the river and clean it up. A RF remote controller and battery-operated, floating waste collection system is described in this article as a novel approach to river cleanup. The major goal is to reduce the time and energy needed to clean up the river so that it is free of the solid garbage that is polluting it.



Dr. M. Jeyakumar
Dr. M. JEYAKUMAR, M.E., Ph.D.
PRINCIPAL
CHRIST THE KING ENGINEERING COLLEGE,
Chokkarampattanam Village,
Karamadai, Metturpalayam Taluk,
Coimbatore - 641 104.

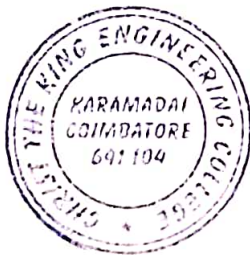
CHAPTER – 7


CONCLUSION

The project was designed to be very efficient, straightforward, and helpful for purifying water; it can be tweaked to boost its cleaning capacity and effectiveness. There were issues with the design criteria's definitions, but those were fixed by consulting sources and being given direction. Because of the raw materials we used, we were able to machine the various parts to exceptionally tight tolerances, which eased the burden of achieving perfect balance. It's a necessary part of modern life.

7.1 Perspective on the Future

In future this project can be improved to sort more categories of waste. In this system we can use advanced conveyor system and conveyor material for increasing the efficiency of collection of garbage. The machine may one day have a deep cleaning mode. The machine's capacity might be increased to clean larger rivers and lakes.




Dr.M.JEYAKUMAR, M.E.,Ph.D.
PRINCIPAL
CHRIST THE KING ENGINEERING COLLEGE,
Chukkarampalayam Village,
Karamadai, Mettupalayam Taluk,
Coimbatore - 641 104.