



BENGALURU CITY UNIVERSITY

DEPARTMENT OF PRODUCT DESIGN

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Graduation Project Report On

Water Drone

by

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the degree of Bachelor of Visual Arts, Product Design**

ACHARYA SCHOOL OF DESIGN

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ABSTRACT

Designing is the process of envisioning and planning the creation of objects, interactive systems, buildings, vehicles, etc. It user-centered, i.e. users are at the heart of the design thinking approach. It is about creating solutions for people, physical items or more abstract systems to address a need or a problem.

Generally, we find a lot of discarded plastic and other waste in the water bodies like ponds and lakes which float on the water surface and eventually affect aquatic life. We need an efficient way of cleaning this debris without requiring much manual effort. Water Drone is a device that is designed to collect plastic waste and other debris from water bodies. The proposed device does the job effectively without manual intervention. Water Drone is devised to float on water and clean the water by removing the plastic and other waste materials by means of a motor-powered belt conveyor. The waste is collected in a separate chamber which can be removed later.

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