Project Report

On

"DESIGN, DEVELOPMENT AND FABRICATION OF A PROTOTYPE FOR A "MANUALLY OPERATED DEWEEDING BOAT" FOR A FRESH WATER LAKE"

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ABSTRACT

In Bangalore there are many lakes which are dying because of suffocation caused by uncontrolled growth of weeds on the water surface. These weed which may be of various types are getting adapted to the environment and are becoming the only dominant species among all others in the lake which is the cause for the termination of other species. The problem here is to remove the weeds which are growing on the water surface and above the surface. The present project work is to develop a floating deweeding vehicle design and to fabricate a prototype of the same to demonstrate its working.

Initially a CAD model will be prepared for visualization of the prototype before physically fabricating it. Further suitable material will be selected to prepare various parts of the prototype. Finally the prototype is built according to the CAD model prepared previously but scaled down to a lesser size for convenience fabrication. Post fabrication an artificial miniature lake is created and the prototype's operations are demonstrated.