

Department : **Mechanical**

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Group No: **5**

Guided By

**PROF. M.P.
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Project Title

**DESIGN AND DEVELOPEMENT OF LAKE TRASH CLEANING
MACHINE**

Abstract:

Current situation of the lakes and rivers in India is not good as many people dump the domestic waste in lake or river and some people also wash their cloths in the lake and pollute the whole water of lake. The lakes and rivers are loaded with pollutants, toxic materials, plastic, algae, debris etc. so our main aim in this project is to provide decrease water pollution and clean lakes or any water body by designing and developing the trash cleaning machine. The machine made in this project will navigate though the water body and will remove trashes present in that water body. Trashes are being removed from the lake with the help of hopper system attached in front of machine and dispose that trash in the trash tank attached to machine. The design will be such that it can clean wide range from small size to average size pond or water body. We tried to make this project with least cost and weight but without compromising on the machine's efficiency. Our future scope in this project is to provide automation by doing this it will be possible to provide the human safety while cleaning lake as it will become driver less machine by remote sensing.

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