

INNOVATION LAB
STUDENT PROJECT TEMPLATE

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Team Members	AARON JOHNSON , AFFAN , ROHAN REDDY , RACHAN , ARYAN FONTES
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Std/Section/ House	Standard 8, Section E
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Class Teacher/ House Leader	Class Teacher-Jacqueline Bernard, House Leader – Jsden Lewis
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OBA Mentor	MR. Senthil Radhakrishnan
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Title	<i>Garbage recycling in India</i>
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<p><u>Social Problem</u></p> <p>So the target is that,we are reducing the garbage by recycling in India. We came up with this as we thought about how much garbage is been thrown in India. When it is thrown on the roads and in water,many different types of insects breed,it produces pungent smell, pollutes the air and causes diseases like malaria,dengue, Gastrointestinal, stomach pain, vomiting and diarrhea, cholera, typhoid, malaria skin diseases and respiratory allergies. Mosquitoes and other insects sits in the places where there are piles of garbage and ultimately spread various diseases in the area.</p>
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<u>Proposed Solution</u>

The invention that we are proposing to address this problem is a recycle bot. It is a robot which we decided to create so that it can help India/the world in recycling the garbage into useful things we use in our daily life like plastic objects, for example, plastic Buckets, toys, bags, bottles, etc.

Tasks & Timelines

The recycleobot would be programmed to identify and pick any garbage which is on the footpath or the road. The robot would be 60 inches long and 24 inches wide. The robot would have sensors to direct it self carefully and to see the fallen objects and to locate the nearest trash can .The robot would have a small solar panel on it's chest so that it can be charged by the sun, so that it could still clean in places with less sunlight such as underpasses , bridges , parks , etc. The robots hand would be big enough to carry 6 objects.

Sources/References

<https://www.quora.com/What-diseases-are-caused-by-garbage>