



# Nature

The environment is what has sustained human life for eons, and it is what we need to survive in the future. Problems like air pollution are leading to the contamination of our planet, impacting generations to come. This product proposes a long-term solution by implementing large-scale air purification in our school environments.

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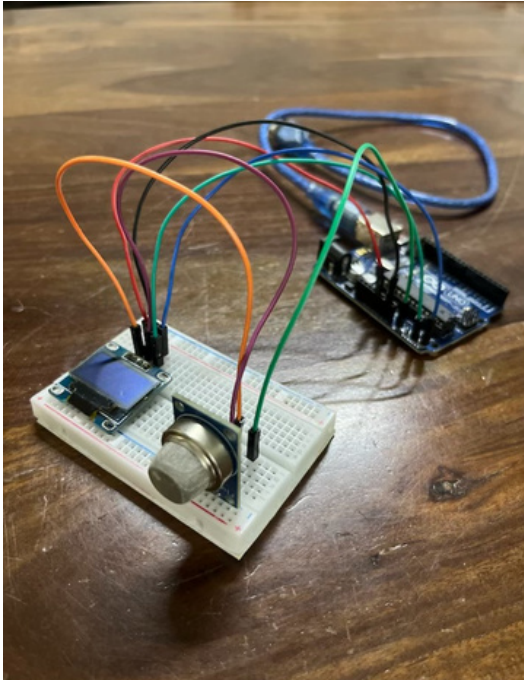


Fans pull air into the special 5-layer filter which removes over 95% of particles larger than NaCl. A charged wire mesh inside attracts and stores heavy metals and CO<sub>2</sub> which can then be converted into C and O<sub>2</sub> for other uses. The filter funnels the air towards the plant placed in the center, allowing it to further convert more CO<sub>2</sub> into clean O<sub>2</sub>. The plant also contributes to environmental awareness in the classroom and nurtures a future-oriented mindset in the leaders of the future, promoting sustainability and blazing a trail towards a brighter future, starting in our classrooms.



# School Air Purifier

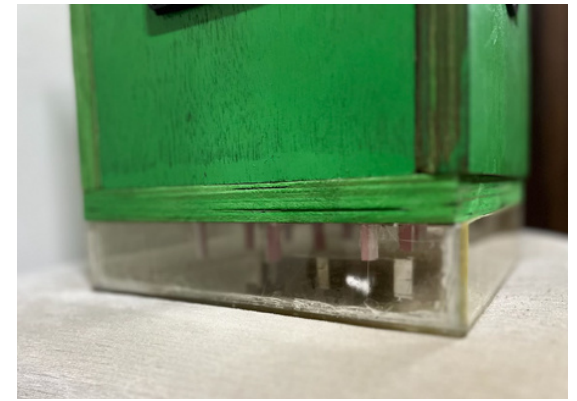
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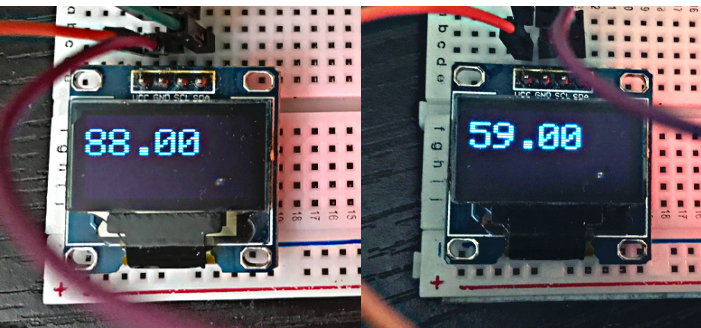
A student-wired air quality sensor verified that our product can raise air quality by up to 33%, dropping from AQI 88 to 59 within 15 minutes.



Four fans on all sides of the purifier help to cover the widest area and purify the most air possible.



A specially-designed tank on the bottom of the filter uses capillary action to automatically water the plant, only requiring refills once a week.



The entire product is composed of recycled materials and can easily be mass-manufactured and implemented in classrooms across the world, not only combating climate change but also helping students to be healthier

Our product satisfies the three pillars of sustainability as it is economically, socially, and environmentally viable.