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**CLASS: JSS ONE**

**AGE: 10**

**TOPIC: IF I COULD INVENT SOMETHING NEW**

To start with, If I could invent something new, I would like to invent a machine that can automatically pick up litters and make the air cleaner and less polluted . The machine will be called Litter Terminator. This innovative machine will be designed to efficiently collect and process litter, promoting a cleaner and more sustainable environment. It will be characterized with these key features:

Advanced Sensors: Detects litter and sorts it into categories (plastic, glass, metal, paper).

Vacuum System: Powerful suction collects litter, even in hard-to- reach areas.

Processing Unit: Compacts and breaks down materials for easy recycling.

Smart Navigation: GPS and mapping technology enables efficient route planning.

Energy Harvesting: Solar panels or kinetic energy conversion provide sustainable power. Its operating modes will be in form of autonomous: self-driven, perfect for large public spaces. Manual: operator-driven for targeted cleaning and stationary: fixed unit for high-traffic areas.

The impact will be great by reduces litter in public spaces, increases recycling rates and of course encourages community engagement. The environment in the third world countries are already polluted which my country, Nigeria is not left out . This idea is inspired and come at a time when we face with the challenges of environment globally. The good thing is that the machine to be developed will not run on fossil and fuel but instead makes use of water which is free for all by nature and cost nothing to source for. It has also been my dream to see how we can make machine that will depend on water as against fuel which is headache to many nations around the world. Therefore , our persistent littering has caused a lot of damages to our oceans and seas and this gradually and brutally slaughtering our sea life. Of course, our sea life extinction has risen by 25 percent in the last 10 years which suggest the possibility of not having oceans in the near future. Our generation has seriously contributed negatively to the challenges of global warming due to our series of negative practices by deliberately killing animals and species who are living in the extreme weather , also cutting and burning down of trees prematurely.

Thank you.