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(57) Abstract :
The plastics we throw away today will be around for hundreds of years. Its one of the key reasons why the mounting plastic pollution problem, which is having a deadly effect on our environment.We found that Ideonella sakaiensis is a bacterium from the genus Ideonella and family Comamonadaceae capable of breaking down and consuming the plastic poly ethylene (PE) as a sole carbon and energy source. The prime need of a plastic free environment begins with cleanliness and cleanliness begins with dustbin. Society will get its waste dispatched properly only if the dustbins are placed well and collected well. The basic Idea behind project is to implement a plastic eating dustbin via smart way of handling the garbage, which is done by using the IOT protocol for transmitting the dustbin status wirelessly. It operates automatically when any user is nearby and also sends a notification mail to the authority about the status of the dustbin.

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