

① 10 minutes

#### QUESTION

The problem of waste management in smart cities, where the garbage collection system is not optimized.

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How Shall we overcome this?



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# Sangamitra

The proposed system would be able to automate the solid waste monitoring process and management of the overall collection process using IOT (Internet of Things)

Placing
Ultrasonic
sensor to
detect level
of bins

# Rithika

Enable GPS
function to
locate bins
easier

Waste generation analysis to understand cities usages

### Sai Anantha Lakshmi

Visual fll status indicators on top of bins

when bins fll alert message to the authorized person

### Sathish

using by GSM in bins achieve wireless communication with bins and managing center

solar panels
for power
supply for
IOT devices



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Smart
garbage
maintenance
server

Transparency and sustainable solution than normal garbage bins

Optimized trash collection route

Collect only degradable and non degradable wastes

IOT alert
authorized
person when
bins going to
fill







