

(54) Title of the invention : WCNM-SMART CITY: WASTE COLLECTION AND NOTIFICATION MANAGEMENT SYSTEM FOR SMART CITY USING IOT.

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(57) Abstract :

Our Invention • WCNM-Smart City • is a system based on IoT technology is used for collecting, recycling, and managing waste found floating in a water body. The invented system also includes non-navigable waters and other types of waste. The system having a flotation platform that is adapted to float in a water body. A waste collection loader, conveyor mounted on the platform having collection box and charging-discharging ends. The invented device is used for separating the waste from the water and loader conveying the waste along the loader conveyor to the charging. The invented technology can also be used for the complete city, like a dustbin management system based on the IoT platform. belong to the internet of things field including intelligent garbage bin IOT platforms PC ends web-based management system and 3G,4G. mobile terminal management software. There are various sensors deployed like the infrared red sensor. It is used to detect the height of the garbage in the intelligent garbage bin. GPS module and the audio, video, text message of infrared ray sensor detection reach the control mainboard and timing transmits data by the intelligent gateway. The invention takes into account the garbage bin, rubbish height in the dustbin, and its position and temperature within the barrel. The bucket is pushed into the collector by IoT enabled devices. The invention also takes into account the city cleaning status, appropriate route planning, and the control and monitoring of the waste in the city.

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