

IOT BASED SMART GARBAGE AND WASTE COLLECTION BIN

ABSTRACT

Many times, in our city we see that the garbage bins or dustbins placed at public places are overloaded. It creates unhygienic conditions for people as well as ugliness to that place leaving bad smell. To avoid all such situations we are going to implement a project called IOT based smart garbage and waste collection bins.

These dustbins are interfaced with microcontroller based system having IR wireless systems along with central system showing current status of garbage. The status will be wirelessly send to the control unit. The main aim of this project is to reduce human resources and efforts along with the enhancement of a smart city vision. Internet and its applications have become an integral part of today's human lifestyle. It has become an essential tool in every aspect. Due to the tremendous demand and necessity, researchers went beyond connecting just computers into the web. These researches led to the birth of a sensational gizmo, Internet of Things (IoT). Communication over the internet has grown from user -user interaction to device –device interactions these days. The IoT concepts were proposed years back but still it's in the initial stage of commercial deployment. Home automation industry and transportation industries are seeing rapid growth with IoT.

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