SmartBin Builder



* **Our GOAL**
* Our goal is to build a smart bin which will glow led’s to show its filling capacity. Green for example empty, Yellow Partial Full and Red completely filled. It will not have any cloud functionalities or website for time being.
* **Requirements**
* These hardware components will be needed.
* Dustbin
* Fill level sensor (HC-SR04 ultrasonic sensor)
* Microcontroller (Arduino Uno)
* LEDs (green, yellow, and red)
* Resistors (appropriate values for the LEDs)
* Breadboard and jumper wires
* Power supply (battery or mains power)
* **Preferred Tech-stack Web App**

Not included any website for timebeing.

* **Deliverables**
* Instruction Document
* Working Module
* Proof video of Working System
* **Budget & Timeline**
* Total Cost is SAR 5,000
* 30% of the total cost will be provided at the start and the remaining will be split into milestones
* The time line will be 30 days.
* Weekly Updates, Email or WhatsApp Support.
* Once we get hardware components its time duration will start from that day.
* **Accounts Needed**
* Does not need any cloud accounts or domains