SMART TRASH BIN

An IoT-based methodology where the discarded waste in the Smart bin is constantly monitored by sensors that inform the filling level in real time.

Contactless access

The smart bin opens when you slide your foot inside the compartment below the bin. Sensors detects your foot and opens the bin, needless of your touch.

Less and recycled Plastic used for manufacturing. Hence, it is very light-weight and environment friendly. Plastic can be recycled seven times before its discarded.

Alert mechanism

Monitors the level of garbage filled in the trash can. Green light is emitted when empty; yellow light indicates half filled, finally red alerts the user to empty trash can.

- Light weight, compact, portable.
- Made with recycled plastic.
- Inexpensive.
- Easy maintenance.
- Hands-free use.
- Lid closes with timer.
- LED light for empty, half filled and full.
- It is safe for users as there are no sharp edges.

Easy to maintain
A tray attached at the back of the bin containing the Arduino board.

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