The bins are fitted with Ultrasonic sensors that sense the level of wastes in the bin. Once a bin is filled up, an LCD display shows "FULL BIN" and stops the setup from running again till the waste is disposed of. WI-FI MODEM: allows to be integrated with sensors and GPIOs through onboard processing of input signals. This on chip integration includes minimum external circuit and designed with pcb. Its high degree of on-chip integration allows for minimal external circuitry, including the frontend module, is designed to occupy minimal PCB area. The ESP8266 Wi-Fi Module is a self-contained SOC with combined TCP/IP decorum stack that can give RIO processor access to your Wi-Fi network. The ESP8266 is supporting and all wifi networking functions functions from another application processor. Each ESP8266 Module is preprogrammed using LabVIEW programming. The ESP8266 wifi module is a cost effective board The properties of ESP8266 I to renovate this module in. to IoT solution . ESP8266 module is work for external logic level converter.

Winner
NIYANTRA - 2015
Project "Smart Bin