

# QR CODE BASED LAUNDRY CLOTH COLLECTION

The Laundry bags will be affixed with a unique QR Code against students to whom the same is issued.





# End User Experience

- The Student will come to the collection point, where his QR Code stuck to their Laundry bag will be scanned using Flat bed/Panel Mounted scanner.
- The QR Code will be Pushed(Published) on cloud to the Broker on the Internet using WiFi, with the Device ID, QR Code, Date & Time, in JSON Format.
- The Application to be developed by Laundry Company, will be a subscriber to the Device ID Topic(for each Device) on MQTT, such that the QR Code will be available instantaneously.
- The QR Code will be checked in the back-end by Application for its acceptance based on the logic/calculation etc.. Software application will publish the 'Allowed' or 'Denied' JSON to the Device ID Topic.
- The Device will be subscriber to its own Device ID topic & will get the JSON having the 'Allowed' or 'Denied' info. This will be decoded by the controller & in turn will light a 'Green' or 'Red' LED mounted suitably.
- This workflow will be running from various Collection Points where there will be a separate Checkmate IoT Controller (with unique Device ID) will publish the data to the same broker, to which topic your application will be subscriber.