

RFID based Mess Authorization and Accounting System

Yash Gupta (2013CS10302), Rishit Sanmukhani (2013CS10255)
Shubham Rawat (2013CS10258), Rohan Das (2013CS10251)

Objective

Develop a RFID based system for use in hostel mess to:

- » Authorize hostel residents & guests; Restrict outsiders from dining in mess.
- » Reduce wastage caused due to irregular attendance.
- » Automate & simplify rebate system and extra messing.
- » An online interface for admin tasks and transparency.

Features

- » Authorization to residents with or without RFID card
- » Temporary registration and access to guests
- » Fast and convenient rebate and extra messing
- » Attendance prediction to reduce wastage of food
- » Real-time updates on online admin interface

Extensions

- » Use bluetooth to automatically mark attendance when user comes in range.
- » Measure amount of food actually wasted, relate with attendance and menu to give useful insights.

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