

IT Project Scope Form

Project Title: Student Movement Management System

Project Number: 1111

Project Leader/Manager: Shreyak Upadhyay

Anticipated Project Start Date:

Sponsor: IIITB Administration

Date Prepared: 22nd Aug 2018

Project Risk Level: Low

Estimated Completion Date: 12th Dec 2018

Team Members:

Core Members: Srinivasan Vijayraghavan, Nishant Malpani, Mahidhar Bandaru

Others: Zense Junior Developers

Purpose of Project:

Expectation: The project aims to replace the existing manual system with a more robust, digital system. The system is manual. It doesn't have several necessary features like automatic email generation to the warden in case of late entry, filtering records by different parameters such as time, date, batch, gender and habitual offenders.

Benefits: This tool will be extremely useful to the hostel authorities who have more transparency in the student movement process. Also, automating email generation serves as a highly useful tool, thus, avoiding manual ways of informing. Filtering of records is another useful feature which might be needed in the investigation of unfortunate events in the campus.

Background:

IIIT-B doesn't have a digital system to track student movement into and out of the campus. Hence, this process is highly manual, creating huge queues to fill in the entry-table.

Some of the issues faced by the authorities are:

1. Students falsifying information.
2. Students filling in wrong columns.
3. Manual searching through tables for defaulters.

Consequences: Tracking students will be effortless with the digital, fool-proof system.

Deliverables:

1. ID Cards (bar code enabled) for the students, faculty, and house keeping staff.
2. Bar code scanners at each entry/exit point in the campus.
3. A computing device(laptop) for every entry/exit point.
4. Application to interface with the database.
5. Database(ability to handle high loads) to store records.
6. Automatic filtering of defaulters.

Stakeholders: All persons who enter the campus/ leave the campus are affected. So the stakeholders are:

1. Students
2. Faculty
3. Housing staff
4. Guests

Resource Requirements:

1. Rent for laptop and barcode scanner – Rs. 5,000 per month. *(In case of permanent purchase, Rs. 1,00,000 for laptops and Rs. 10,000 for barcode scanners)*
2. Installation of server: Rs. 1000.
2. Design and manufacture of ID cards.
3. Other installation requirements: Rs. 3000.

