

IT Project Scope Form

Project Title: IIITB Entry/Exit Management System

Project Number: IMT2016088

Project Leader/Manager: Neha Krishna Dasari

Anticipated Project Start Date: 01 September, 2018

Sponsor: IIITB Admin

Date Prepared: 22 August, 2018

Project Risk Level: Low.

Estimated Completion Date: 01 October, 2018

Team Members:

- Core Members: Member 1, Member 2, Member 3.
- Tester: Member 4.

Purpose of Project:

Through this Project, we plan to:

- Record the details of every entry/exit to/from the campus by the students, faculty, guests etc.
- Identify the violation of curfew laws and automatically warn the concerned.
- Information about the number of Parking spaces available and those already occupied.
- Get a rough estimate of number of people on a particular day in the campus.
- Ensure no person can bypass the surveillance and enter/exit without recording it.

Background:

- Until now, records were maintained manually, thus making it prone to errors.
- Students didn't fill the in and out timings accurately.
- On days with lots of guests, parking has been a significant problem.
- Getting a rough idea as to number of people on campus on a particular day/instant makes it convenient to provide amenities effectively. (Food can be prepared for these many people only).
- Instances where the incoming and outgoing times were fiddled with were quite prominent.

Deliverables:

This Project will:

- Create and manage a tabular data of every entry/exit to/from the college.
- Keep track of number of curfew violations and highlights them. This will help in case of any queries arising and warning the students through emails.
- Provide a barcode based entry/exit system.
- Keeps track of number of available parking spaces at each parking area.
- Manage a tabular data representation that takes care of the staff's working hours.

Stakeholders:

- IIITB Students: The projects mainly aims at making the entry/exit process more convenient for the students. Since it aims at maintaining data in a centralized database, they can enter/exit to/from any gate.
- IIITB Faculty and Working staff.
- Guests
- Security and Management: The project not only makes supervision easier but also, in case of some mishaps, the process becomes easier.

Resource Requirements:

- ID cards for students, working staff, faculty and other people who visit regularly, each with a unique barcode.
- Barcode scanners (Rs.2000 each) and laptops (Rs.35000 each) at each gate.
- A server with a database that needs to be maintained. Maintenance costs may account to Rs.300 per month.

Monetary Aspect: An initial investment of Rs.1,15,000 (approx..) and a monthly expenditure of Rs.300 is required.

Timeline: As the project expected to finish by 01 October 2018, it can be well in effect from October 03, after a couple of days of testing.

