

IT Project Scope Form

Project Title: IIITB Entry-Exit Management System

Project Number: 21298

Project Leader/Manager: Apoorva Choudhary

Anticipated Project Start Date: 05-10-18

Sponsor: Admin(IIITB)

Date Prepared: 22-08-18

Project Risk Level: Low

Estimated Completion Date: 15-11-18

Team Members:

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- Arushi Mohania
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Purpose of Project:

Goal:

- To Provide a Bar Code based uniform management system to maintain and facilitate easy access to records of entry/exit movements of students, faculties and supporting staff.

Major Benefits:

- Easier to track when and who has entered/exited from college premises in real time.
- Easy to keep track of students violating curfew timings.
- Bar code reader system reduces manual data entries to a minimum. Making system more user-friendly, reliable and flexible.

Background:

- Currently, Students fill in entry/exit details manually which makes it likely for false entries to get away from curfew timings.
- At each gate, different registers are maintained. In case of entry from one gate and exit from another makes it highly inefficient and error-prone.
- The Existing gate surveillance system at IIITB maintains separate registers to track vacations from usual in/out movement. And, an additional register for each course which is extremely cost ineffective with Thousands of tonnes of paper wasted every year.

By placing Bar code system:-

- Manual data entry errors will be at a minimum.
- Significantly speed up the process of registering at the gate.
- Improve accuracy, speed, and efficiency without significant expense .

Deliverables:

- An application that store data of each entry and exit, in the database in tabular form .

- Provide functionalities such as:- to get the list of students who violated curfew timing, number of times it was violated, average working hours of college staff per day/ week.
- Notify students with an automated mail as soon as the curfew protocol is violated.

Stakeholders:

- Students
- Faculty
- Supporting Staff
- Guests
- Security
- Administration

Resource Requirements:

- Wired Bar Code Scanner: To scan bar codes at each gate(Rs. 1,800 per bar code)
- Temporary Id-card for guests and token for vehicles. (Rs. 2,000)
- Laptops: Laptop at each gate(Rs. 30K per laptop)
- A Server Space to maintain data (Rs. 8K approx.)
- Total Budget: Around ₹ 109k (around (₹ 95K for laptops)+ (₹ 8k for server), maintenance and ₹ 6k for bar code scanners)

