

## PROJECT SCOPE FORM

**Project Title:** Entry and exit Management System for IIIT-B

**Project Number:** IMT2016025

**Project Leader/Manager:** Akshi

**Anticipated Project Start Date:** August 23, 2018

**Sponsor:** Administrative division of IIIT-B

**Date Prepared:** August 22, 2018

**Project Risk Level:** Low

**Estimated Completion Date:** September 30, 2018

### **Team Members:**

- Akshi (Manager)
- Arushi Mohania (Manages hardware requirements)
- Mudita Baid (Front-end developer)
- Shreya Singh (Back-end developer)
- Nimisha Garg (Database manager)

### **Purpose of Project:**

This project aims to give IIIT-Bangalore a robust security system that will satisfy the following requirements:

- To maintain a log of entry and exit timings of all members of IIIT-Bangalore. This comprises of students, faculty and other staff members.
- To maintain record of curfew rule violations by students.
- To make process of entry and exit to/from campus smooth and efficient.
- To store past entries in a manner that makes them easy to access, if needed.

### **Background:**

#### **Motive behind the project:**

- As of now, the process of entering and exiting the campus premises is quite cumbersome. It requires everyone to manually write personal details such as name, ID number among other things, which is both time-consuming and difficult to keep track of. Accuracy of these details is also difficult to be determined.
- Also, three gates of the institution make it difficult to keep track of entry and exit, because of inability to access records from other gates immediately.
- Motive behind this project is to eliminate the existing inefficient process and provide a robust entry-exit management system which will not only make the process smoother for everyone, but will also satisfy the security concerns of parents and faculty, for the residing students.

#### **Expected consequences of the project:**

- It will make the exiting and entering process time-efficient.
- It will inform concerned authorities of violations of curfew timing rules.
- Guests (with no ID) will also be required to enter details (electronically) and hence, will ensure more security.
- Attendance of IIIT-B staff will be managed electronically, with less hassle and no errors.

## **Deliverables:**

### **Major outputs of the project:**

- A software, with easy-to-use user interface and easy-to-access-data storage facility, which will take the scanned bar-code as input and allow the user to take record of the entry/exit along with time-stamp.
- Daily record (separate files for girls and boys) of curfew rules violations by students with facility for the file to be sent to respective wardens.
- Separate forms for guests (with no ID)

### **Measures of project success:**

- No errors in recording of entry-exit timings.
- No hardware-malfunction
- Compliance to schedule
- i. To be completed by September 30, 2018.
- ii. Monthly maintenance

## **Stakeholders:**

### **Users:**

- Students of IIIT-B
- Faculty and other staff members of IIIT-B
- Guests (such as parents of students or other visitors)
- Security Guards

### **Client/ Sponsors:**

- Administrative Division of IIIT-B

## **Resource Requirements:**

### **1. Cost Analysis:**

#### **A) Bar code scanners-**

- i. Quantity: 4 (3 required, 1 spare)
- ii. Total cost:  $2000 * 4 = \text{Rs. } 8000$

#### **B) Laptops-**

- i. Quantity: 3
- ii. Total cost:  $20000 * 3 = \text{Rs } 60000$

### **2. Estimated Life-cycle costs:**

A) Implementation (setting up, connecting to IIIT-B network): Rs. 2000

B) Maintenance (software): Rs. 6000 yearly

C) Maintenance (hardware): Rs. 1000 – Rs. 10000 range

### **3. Estimated training needs:** Negligible (Easy-to-use interface)

4. Timeline: August 23, 2018 to September 30, 2018

