Entry/Exit System Project Scope

Project Title: Entry/Exit System	**Project Number:** 1
Project Leader/Manager: Aditya Hegde	**Anticipated Project Start Date:** 24/09/2018
Sponsor: IIITB	**Date Prepared:** 22/08/2018
Project Risk Level: low	**Estimated Completion Date:** 11/11/2018

Team Members:

- Core/Management – Aditya Hegde
- Resources and Hardware – Data Centre
- Development – Aditya Hegde, Zense
- Administration - Registrar (PoC for College)

Purpose of Project:

The project aims to ease management of entry/exit records by digitising the system. Identification is done via ID-cards issued by college. Temporary ID cards will be issued on the spot for guests. This project thus provides:

- Digitisation of entry/exit system
- Centralised data storage making removing redundancy and inconsistency
- Easier mechanism to make analyse collected data improving security and efficiency of the system

Background:

The current system relies on manual registry entries at gates. The drawbacks of this are:

- Slow and tedious
- Possibility of one providing a false identity
- Difficult to maintain records across gates i.e. entry at one gate and exit at other
- Hard to analyse data for defaulters e.g. entry after curfew

Deliverables:

- ID card barcode used for logging entry/exit.
- Functionality to generate temporary IDs for guests.
- Centralised storage server.
- Offline support in case of network problems. Data will be synced when network connection is re-established.
- Web interface to query data and generate reports e.g. list of defaulters.

Stakeholders:

Anyone who wishes to enter the campus is a stakeholder like:

- Students
- Faculty – Full time and part-time
- Staff – administration, mess, construction, canteen, cleaning, security
- Guests

Resource Requirements:

- Laptop, barcode scanner and printer (for printing guest ID cards) (One-time) – ₹30,000 per gate
- ID cards (requirement but issued by college)
- Internet connectivity at gates
- Linux virtual machine with at least 1GB RAM and 25GB memory - ~ ₹500 per month