IT Project Scope Form

Project Title: Entry Exit Centralized System	**Project Number:** 0001
Project Leader/Manager: Satvik Ramaprasad	**Anticipated Project Start Date:** 25/08/2018
Sponsor: IIIT Bangalore - Admin	**Date Prepared:** 22/08/2018
Project Risk Level: low	**Estimated Completion Date:** 25/11/2018

Team Members:

- Core team – Rahul Rajesh, Satvik Ramaprasad
- IT team – Sasi Kumar, Durai Murugan
- Administration team – Registrar

Purpose of Project:

The project aims to log entry-exit movement of all personnel in the campus at all gates in a smooth manner. The data is then stored in a centralized server. For registered personnel (students, faculty, staff), their ID cards are used for the purpose. Guests will need to register for a temporary ID card which will be printed immediately. This solution will help in keeping track of all movement in and out of campus. Since everything is automated and digitalized, it is easy to get aggregated information. This will greatly improve security of the campus.

Background:

The current system involves multiple registry books at each gate. Logging movement is tedious, slow and unreliable. Moreover, the logs are not aggregated or easy to analyze. It is also difficult to flag repeated offenders.

Deliverables:

- QR/Barcode based scanning for logging entry/exit.
- Centralized storage server.
- Weekly/Monthly/Yearly report of offenders.
- Automated unauthorized detection and notification – detect and notify security about personal who are not supposed to be in campus at the time or those who are supposed to be in campus but aren't.
- Send automated reports to parents.

Stakeholders:

- Students
- Faculty – Fulltime and part-time
- Staff – Mess, construction, canteen, cleaning
- Security
- Administration – Registrar, wardens
- Guests

Resource Requirements:

- Implementation costs (one-time costs) – 30,000 Rs/gate (laptop+scanner)
- Server costs – 5$/month (DigitalOcean) ~ 350 Rs/month
- Internet connectivity at gates