

2018CS303 Assignment 1

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IIITB Entry/Exit system project scope document:

Title:	Entry/Exit system for IIITB
Project Number:	1
Project Leader:	Vishesh Ruparelia
Anticipated start date:	1 st September 2018
Estimated end date:	1 st November 2018
Project Risk Level:	Low
Sponsor:	IIITB
Date Prepared:	22/08/2018
Team members:	<ul style="list-style-type: none">• Vishesh Ruparelia• Sarthak Soni• Pranav Vardia Support -> IIITB Data Centre
Purpose:	<i>To improve the IIITB ecosystem by introducing a centralized Entry/Exit system for all the 3 gates. Any individual's identification will be done by scanning the barcode printed on the id card issued by the institute. The project aims to minimize hassles faced while going in/out of the campus. It would also help wardens in filtering records for late entries, etc. online instead of having to go through all the hand written records manually.</i>
Background:	<p><i>Currently the entry/exit in the institute is maintained in books where people write their details manually everytime they go in/out. This results in a lot of hassles for everyone. Also, there is no other way to search for a specific individual other than manually going through all the records. Segregation of data is practically impossible in the current system and hence these reasons led to the need of centralizing the whole Entry/Exit system.</i></p> <p><i>Highlighting feature of the project would be Barcode Scanning which would make it very convinient for students and security to adapt with the system.</i></p>

<i>Deliverables:</i>	<ul style="list-style-type: none"> • <i>A centralized entry/exit system where every individual will scan their barcode printed on their id cards at the gate before leaving the campus and while entering the campus. This would be convenient as a student can leave from one gate and enter from other and both entry/exit times will be recorded on one central server unlike the present system.</i> • <i>A Web app based GUI which will be user friendly so that security and wardens will be able to use it with ease.</i> • <i>Separate admin access to IIITB Administration.</i>
<i>Stakeholders:</i>	<i>Students, Team members, IIITB administration, Security, IT dept. Of IIITB (For setting up access points at the gates)</i>
<i>Resource Requirements:</i>	<ul style="list-style-type: none"> • <i>Barcode scanners (one per gate)</i> • <i>Barcoded ID cards</i> • <i>Laptops at each gate to communicate with the server.</i> • <i>Access points at each gate.</i> • <i>A virtual machine to store the centralized data. (Specifications: 25 GB Space, 1 GB RAM)</i>