# Military Institute of Science & Technology (MIST)

Department of Computer Science and Engineering (CSE)

Session : Level 4, Term I (Spring 2021)

Batch : CSE-18 Course Code : CSE 460 Course Title : IDP-II

Group : **Delta\_B** 

# **AI Surveillance System**

System Development Report

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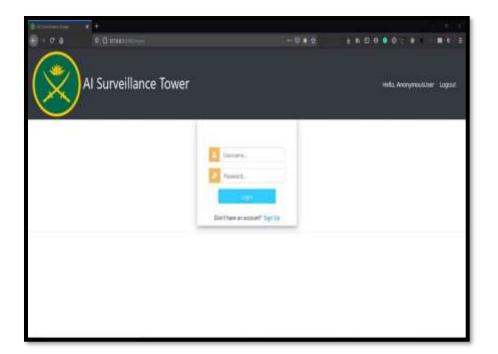
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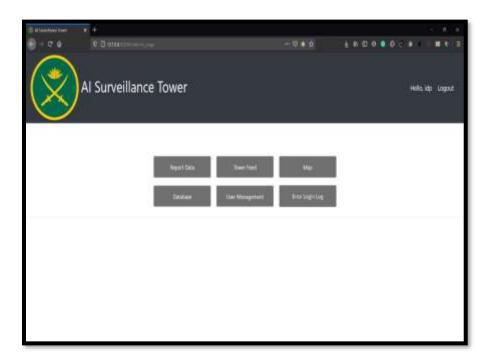
## 1. Required Platforms

Name	Description	Remarks
Visual Studio Code	VS Code has been used as the code editor because of its vast features and suitability.	Code Editor
Bootstrap front-end framework has been used to create website.		
HTML	HTML codes have been used for the front-end structuring in Bootstrap.	Front-End
css	<b>CSS</b> codes have been used for the front-end design in Bootstrap.	
python	<b>Python</b> has been used for the integral functionalities of image processing.	
django	<b>Django</b> is the back-end framework used for the	D. 1 F. 1
🥏 python	website.	Back-End
JavaScript	<b>JavaScript</b> has been used for the mapping at the backend.	
MysqL	MySQL database has been used for storing the data.	Database
PostgreSQL	<b>PostgreSQL</b> graphical user interface (GUI) tools have been used for the designing purpose.	UI Design
GitHub	<b>GitHub</b> , the code hosting platform, has been used while developing the project.	Code Hosting Platform
P Project	Microsoft Project has been used to manage the overall project scheduling and tasking.	Project Management
◆ Jira Software	<b>Jira Software</b> has also been used to manage the overall project scheduling and tasking.	Tool

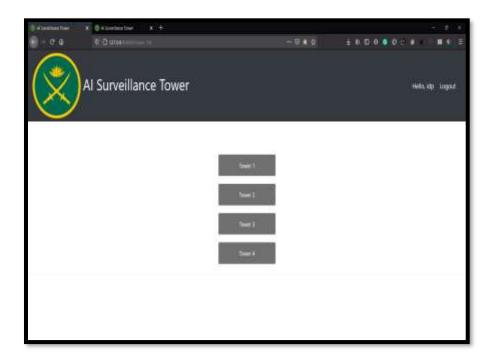
## 2. <u>UI Snapshots</u>



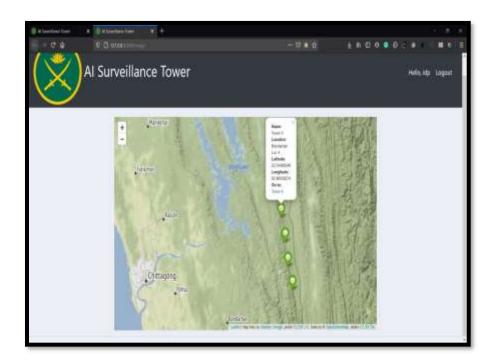
User/Admin Login Page



**Features** 



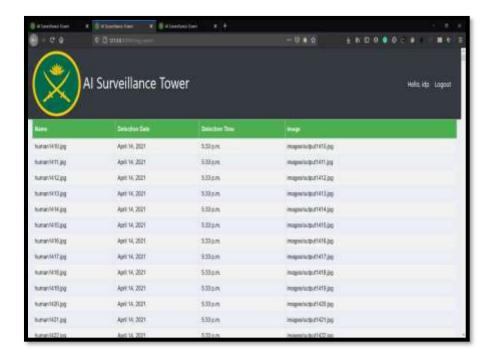
A. List of Surveillance Towers



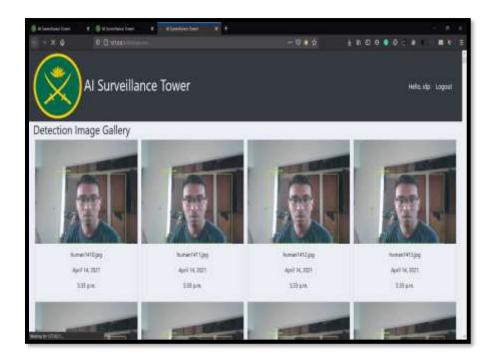
**B. Positional Map of Towers** 



C. Live feed of the Camera



D. Detection Log Storage

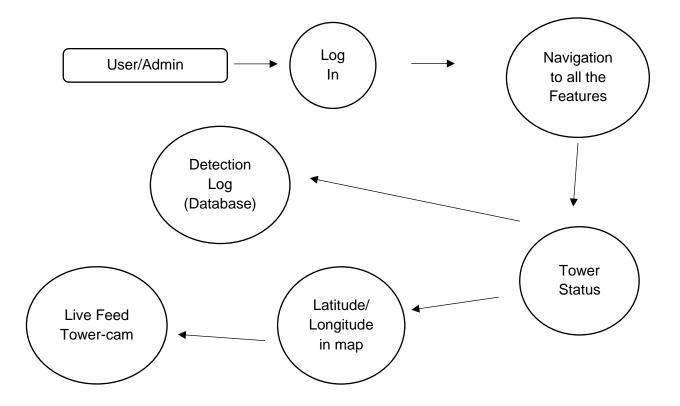


**E. Detected Images** 

### 3. Scenarios

#### a. Scenario-1

A user/admin logged into his account and checked the status of all the towers. He can see the exact latitude and longitude of each tower and also can check the live feed. At the same time, he can also check the detection logs of the towers.



#### b. <u>Scenario-2</u>

An intruder was trying to pass by one of the AI Surveillance Tower in Rangamati and get inside the restricted area. While going that individual was caught by the AIST system and an alarm was generated and that individual was caught by the armed force. At the same time his face was saved in the detection log and auto generated notification was sent to authority.

