## Introduction:

This is our second software project lab proposal. This project will be developed during the 5th semester of BSSE 1st Batch, IIT, NSTU, from February 2019 to end of the semester and the final project will be delivered at May 2019. We hope, we will give the half work presentation during the second week of March as directed. We will work along with our regular academic courses. This project is the implementation part of the course Software Project Lab - II.

# Project:

**Project name : ICT cell center Maintenance & Management System**

**Team Name : Black**

**Project Mentor: Dipok Chandra Das,Lecturer,IIT,NSTU**

# Motivation:

In this semester we need to submit a project that is called SPL-II. Our main motivation for doing ICT Cell maintenance and management is SPL-II course. When we are looking for a project then we find ICT Cell Director as our stakeholder. He needs software which can count all the resources of his ICT Cell and also save all the previous records and maintain the Activities of ICT Cell. So we plan to do this project..

# Objective:

Our main target is to learn:

* + 1. Working with Database
    2. Making a Web Portal
    3. Making SRS & Database Design
    4. Gathering experience

Benefits from Stakeholder’s perspective:

1. Control the whole management
2. Easily maintain the System

1. **Features:**

**Admin:**

1. Add a new equipment item with label, type, expiry date, included date etc**.**
2. Remove an equipment
3. Update equipment information
4. See report
5. Send notification after recover or detect detection to user who send report
6. Send and edit notice
7. Edit Authority Details of ICT cell center
8. Remove notice
9. See equipment’s details with equipment type, number of equipment type etc.
10. Change password and log out into the system
11. See user details and delete user from the System

**User:**

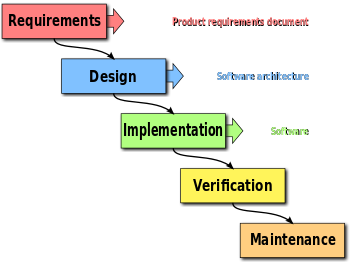
1. Log into the system
2. Send report with description
3. To update their personal details
4. See the Authority details
5. See equipment’s details with equipment type, number of equipment type etc.
6. Change password and log out into the system
7. Recover the password
8. See notice
9. Log out to the system
10. **Process:**

**Group Structure:**

|  |  |
| --- | --- |
| **Member Name** | **Roll No** |
| **Fazle Rabbi** | **ASH1825004M** |
| **Mahfujur Rahman** | **ASH1825024M** |
| **Foyzul Karim Pathan** | **ASH1825033M** |

**Process Model:**

In this project, we follow waterfall model. In the waterfall model, the following phases are followed in order:



1. **Proposed Timeline and Actual Timeline**

|  |  |
| --- | --- |
| Task | Deadline |
| Project Proposal | 12th of February |
| Requirement Analysis, Specification, SRS | Within 8th of March |
| Designing & Study | From 28th of March |
| Coding | Within 15th of April |
| Final Testing | From 3rd of May |

1. **Work Distributions**

|  |  |
| --- | --- |
| **Task** | **Members** |
| **Proposal** | Fazle Rabbi ,Mahfujur Rahman , Foyzul Karim Pathan |
| **Requirement Analysis,**  **Specification** | Fazle Rabbi ,Mahfujur Rahman , Foyzul Karim Pathan |
| **Design** | Fazle Rabbi ,Mahfujur Rahman , Foyzul Karim Pathan |
| **Study** | Fazle Rabbi ,Mahfujur Rahman , Foyzul Karim Pathan |
| **Coding** | Fazle Rabbi ,Mahfujur Rahman , Foyzul Karim Pathan |
| **Testing** | Fazle Rabbi ,Mahfujur Rahman , Foyzul Karim Pathan |

1. **Technology That can be used**

**Technology: Web 2.0**

**Language:**

|  |  |
| --- | --- |
| **Front End** | **HTML , CSS , JavaScript , JQuery , BootStarp** |
| **Back End** | **PHP, MySql ,Ajax** |

**Change Management: GitHub**

1. **Hardware configuration**

**PROCESSOR**  : Intel dual Core ,i3

**RAM** : 1 GB

**HARD DISK** : 80 GB

1. **Software Requirements**

|  |  |
| --- | --- |
| **Operating System** | **Widows 10/7/8.1** |
| **Editor** | **Notepad, Sublime\_Text** |
| **Database** | **XAMPP** |
| **Project Management** | **Freedcamp** |
| **Change Management** | **Gitt** |

1. **Deliverables**

**Stakeholders:**

1. Source code(if requires)
2. User manual

**SPL – II Committee:**

1. Project Proposal Document
2. SRS
3. Project analysis Document
4. Database Design
5. UI(User Interface) Design
6. Source code

1. **Conclusion :**

ICT Cell maintenance and management project will be a great opportunity for us to build up ourselves as a good software engineer. This project will helpful for ICT Cell and also for our IIT. We hope this project will be a game changer for us.