

SOFTWARE ENGINEERING

CS 301

**Tools and technologies used during the
project development**

Web Application for NIC

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SOPHISTICATION VALUE OF THE PROJECT

This web application for NIC will enable the network administrators to regulate users over the company network. Earlier this job involved a lot of paper work to be incorporated. But now with the help of this application, we aim to reduce paper work which will help increase productivity and utility of the company employees.

This application has following features –

1. An authorized NIC employee can add devices to the network and check on real-time basis whether the admission request has been approved or not. The user can also search, modify and remove device addition requests against their account. The system also has a feature that dynamically checks for the device limit each user is allotted to and forbids a user when the device count limit is reached.
2. The network administrator can regulate users over the company network by approving joining requests, searching devices, and revoking access for any device.
3. The user credentials are stored in a highly secured manner which is better than storing it on a paper.

Hence this web application aims to overcome the previous limitations of NIC.

WEB APPLICATION APPROACH

The task of monitoring multiple users over a network is a heavy haul task. It cannot be achieved by a mere static desktop or mobile application. It demands for a dynamic web application which can handle requests from multiple users and at the same work in a smooth and secured manner.

In addition to this, a dynamic web application is more portable, requires very few tools to run and can be accessed in a secured manner from a remote location. Thus, product approachability is achieved through this option.

For building this web application, we underwent tutorials over some web development languages and based on our past working experience in HTML, CSS, PHP and SQL, we worked and finally build this web application.

COMPATIBILITY ISSUES

Some points to be kept in mind for a successful run of this web application:

- An updated web browser that supports various web technologies.
- A working internet connection.

While working on our project, the only compatibility issue that we faced was the linking of our tables properly to the tables on server and slight connection issues. Rest, everything was easy to sync as the web app doesn't have much technical requirements.