

NITC EDUCENTER

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1 Abstract

The idea is to develop an online portal for the students of NITC to interact with alumni and faculty for queries regarding completed projects, ongoing projects and new project ideas using Angular Java Script framework. Completed project reports and project ideas can be posted and viewed by the users. Where a student can choose projects to work with the help of faculty and seniors by this process one can get good access to new projects in different areas and helps students grow in that way recommended.

2 Introduction

The idea is to develop an online portal for the students to interact with seniors and faculty for project works. This project deals with developing a web based application in order to facilitate students discuss project related ideas and works. The system is capable of maintaining various details of projects works (completed, ongoing or new projects), handling users, updating the store and provides interaction between students and other users (students, faculty and seniors). The system maintains databases of users and projects. The user interface is created using Angular Java Script. Flexibility is maintained to make any changes during implementation.

Mainly useful for the students to constructively use their time by involving in some projects according to their areas of interests. It also helps students to know the hot domain works done by the people in the institution. It also provides a scope to develop applications for the institution with the help of faculties.[1] [2]

3 Problem Statement

The central idea is to develop an online portal with efficient content management system for controlled publishing, organizing and maintaining data and efficient messaging interface to interact.

The system is capable of maintaining details of various users, projects and storing all day to day

modifications and updates, handling users and updating of stores.

4 Modular Architecture:

4.1 Admin:

1. Maintaining database.
2. Maintaining user details.
3. Adding new functionalities.
4. Security

4.2 Student/faculty/end user:

1. Authentication.
2. Requesting.
3. Messaging.
4. Posting.
5. Accepting requests.
6. Searching.
7. Adding projects to aoi.
8. Info change.

5 Present status of work/work done till now

5.1 Design

1. Design phase: In this phase a careful step-by-step formulation of the application has been done. The design document consists of the design specific details as to how the project structuring is done It includes elucidations of Class Diagrams, E-R diagrams , taking in due note the SRS of the system.[3] [4]
2. Study of the framework: A detailed study is done on the framework of AngularJS and MVC architecture, an architecture followed by AngularJS and other object oriented languages. A study on how the framework is different from other frameworks and how it comes in handy in some situations is done as a part of the study.[5]

5.2 Functionalities implemented as a part of midterm evaluation

1. Sign-up for new user.
2. Login for existing user.
3. Choosing Area of Interest
4. Posting new projects.
5. Users Updating info about the projects that are in their access..
6. Search by keyword.
7. Admin functionalities like adding users, projects and deleting and modifying them.

6 Work Plan for the rest of semester

The project implementation will be done with all necessary features as discussed previously... The several stages during implementation will be described. The features include some of the functionalities like

1. Accessing through website.
2. Adding Project to the wish list
3. Getting notifications.
4. Chatting with other users.
5. Request for participation in the projects.
6. Profile modifications.

6.1 Testing:

The project testing will be done to verify that necessary features included along with security aspects are working in a proper manner. The framework like Jasmine and Karma, a command-line tool for JavaScript will be used for unit testing. Other testing techniques employed are testing directives using template Url and Dependency Injection mechanism[3]

7 Conclusion

Website is developed by validating and testing at each step. By understanding the framework and architecture have been implemented and will developed further in future. The goal is to make a bug free application and offer all possible user requirements in it

References

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