Project Repository

CS 16L2 Mini Project

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C E R T I F I C A T E

This is to certify that, this report titled **_Project Repository_** is a bonafide record of the **CS 16L2 Mini Project** work done by

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Sixth Semester B. Tech. Computer Science & Engineering students, under our guidance and supervision, in partial fulfillment of the requirements for the award of the degree, B. Tech. Computer Science and Engineering of **Cochin University of Science & Technology**.

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Acknowledgments

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Abstract

Aim: To implement a project storage system which provides a server storage space for project reports developed by students. This system will efficiently search for project relating to a given keyword. It sopports multiple user access which includes faculties and student access.Falculties are allowed to add,delete and rate the projects depending on certain criteria's such as technology used,social relevance etc. It could also search projects based on the field of interest, technology and language used.
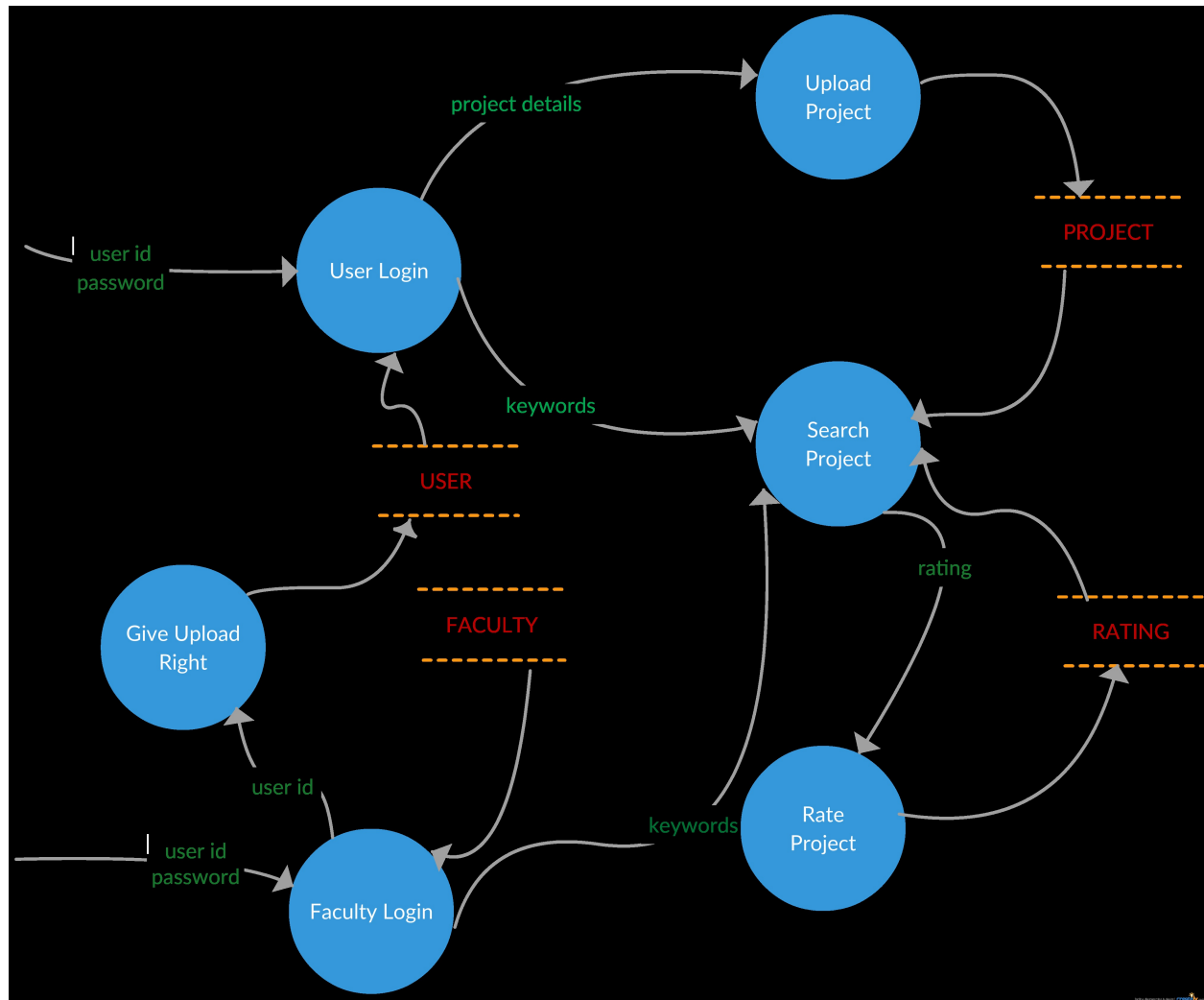
0.1 Introduction

- The project is aimed at implementing a project repository which provides a server storage space for project reports developed by students.

- The project has also scope for expanding into an online project repository for companies.

- The project also have the features like efficient search techniques and faculty rating of projects which helps the users to acess best projects.

0.2 Software Requirement Specification

- **Purpose**

  – providing an online repository for storing projects and analysing and maintaining them

- **Scope**

  – Can be run alongside the college website

- **System Overview**

  – Two types of users are present,student and faculty.

  – Students can upload their respective projects into the repository.

  – Faculty can rate the projects.

- **Keywords**

  – FC- Faculty

  – ST- Student

- **Use Cases**

  – FC login -viewproject - rateproject -uploadright

  – ST login - viewproject - uploadproject -userrating

- **Functional Requirements**

  – user registration

  – user login

  – user upload project

  – user rate project

  – user view project

0.3 Data Flow Diagram

0.4 Algorithms

0.4.1 Algorithm for Insertion of a project

- Step 1 Register an account for the website. Login to the account.

- Step 2 Select UPLOAD PROJECT to upload the project from your pc. Verify your le and conrm the upload.

- Step 3 The le is now uploaded and is ready to publish. Conrm the publish of the project.

- Step 4 Repeat the steps 2 and 3 for further uploads.

0.4.2 Algorithm for search and view

- Step 1 Input the keyword to search. Click on the search tab.

- Step 2 control passes to the database. When the Keyword matches a meta-tag, the corresponding rows are given to the view.

- Step 3 user can now access the required project from the view provided.

- Step 4 The required project is viewed.

0.5 Problem Statement

A repository for storing projects and analysing and maintaining the projects.

0.6 Proposed Solution

This system is build based on the requirements of the college in storing and maintaining the project records. This system provides facilities to store and analyse the projects. The faculty can rate the projects based on dierent criteria. The projects are also rated based on users.
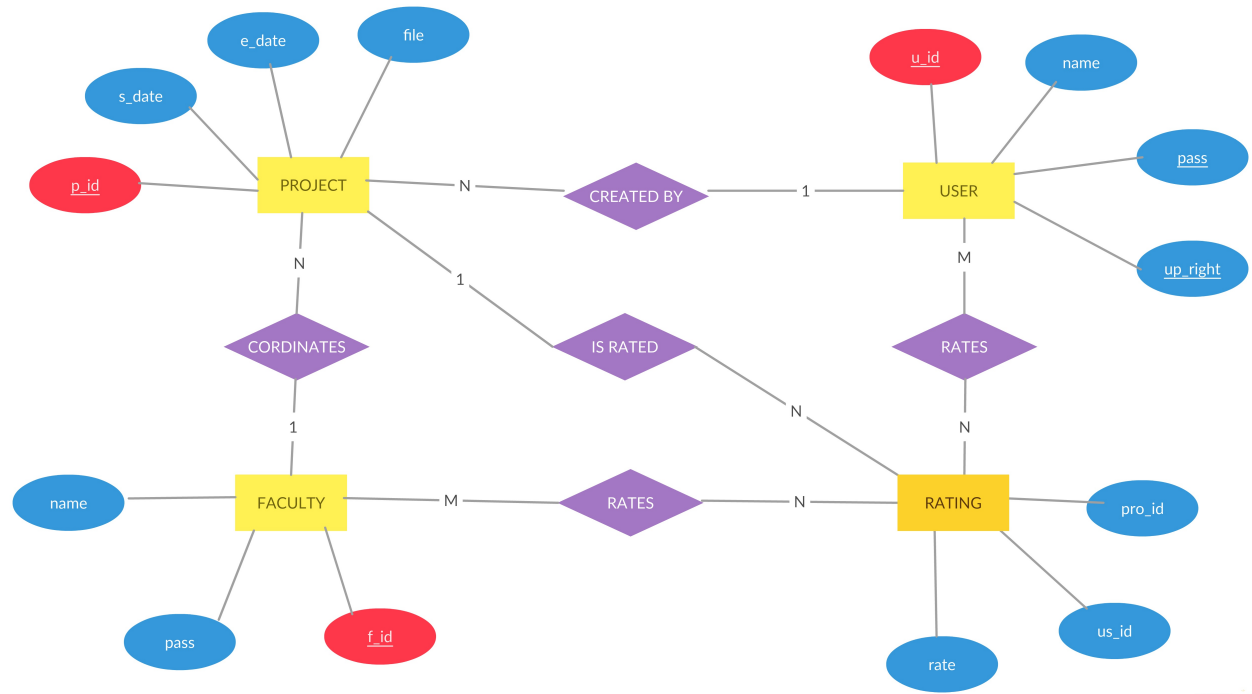
0.7   Hardware and Software Requirements

- **Hardware**

  - Apache Server (To host in college server)
  - Individual Laptops with *minimum* Hard disk 80GB and RAM 2GB

- **Software**

  - CodeIgnitor
  - PHP
  - Sqlite3 database
  - GitHub,Git
  - HTML ,Css , Javascript, Jquery,Bootstrap ,Sass

0.8 ER Diagram

0.9   Future Scope

Project Repository can be implemented in colleges for successfully managing projects done by students.All the project done over years are uploaded so that students who currently work on projects can refer to this repository which will help them. A workspace can be provided for developing projects using this system.In future, we can also include a third group of users (project developers) who can be provided access rights to add or delete or edit files within repository.