

An
Abstract on

Project Management Website for IT Department – DevSpace

Submitted in partial fulfillment for

Mini-Project II

Submitted by

Group 15 & GROUP 20

Under the guidance of

Prof. M.B. Narnaware



Department of Information Technology,
Walchand College of Engineering, Sangli.
Maharashtra, India. 416415



(An Autonomous Institute)

Walchand College Of Engineering, Sangli

Department of Information Technology

Team – Group 15 & GROUP 20

Mayuresh Shedmekhe	2020BTEIT00015
Ayush Wadalkar	2020BTEIT00018
Adwait Samak	2020BTEIT00021
Mohit Khairnar	2020BTEIT00038
Sarthak Deshmukh	2020BTEIT00060
Abhishek Deokar	2020BTEIT00061
Anand Kadale	21620003

DECLARATION

We, hereby declare that the dissertation report entitled **“Project Managemenet Website for IT Department - DevSpace”** submitted by Group 15 & Group 20 to **Walchand College of Engineering, Sangli** in fulfillment of the requirement for the award of the degree of **B. Tech in Information Technology** is a record of bonafide project work carried out by me under the guidance of **Prof. M. B. Narnaware**.

We further declare that the work reported in this project has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university. We declare that this dissertation report reflects my thoughts about the subject in my own words. We have sufficiently cited and referenced the original sources, referred or considered in this work. We have not misrepresented or fabricated or falsified any idea/data/fact/source in this my submission. We understand that any violation of the above will be cause for disciplinary action by the Institute.

Acknowledgement

We, Group 15 & Group 20 like to express our sincere gratitude to **Prof. M.B.Naranware** for his guidance and his continuous support, encouragement, help extended at every stage of this project work.

We, Group 15 & Group 20 feel immense pleasure in submitting this Project report entitled “**Project Managemenet Website for IT Department -DevSpace**”.

We are also thankful to Dr. P.K.Kharat for their valuable feedback during the completion of the Project. We would like to thank all faculty members and staff of the Department of Information Technology for their generous help in various ways for the completion of this thesis. We would like to thank all our friends and especially our classmates for all the thoughtful and mind stimulating discussions we had, which prompted us to think beyond the obvious.

CERTIFICATE



This is to certify that the project/mini-project/dissertation work entitled

“Project Management Website for IT Department- DevSpace”

submitted by

Group 15 & 20

In partial fulfillment of the requirement for the degree of

Bachelor of Technology

in

INFORMATION TECHNOLOGY

From

Walchand College of Engineering, Sangli

(An Autonomous Institute)

Affiliated to Shivaji University, Kolhapur

This project/mini-project/dissertation work is a record of student's own work carried out by him under my supervision and guidance during the session 2022-23.

Guide

HOD

External Examiner

1. Introduction

This website is based on publishing projects of various users on a centralized platform so that anyone can access them and can take advantage of it. There are various platforms where the source code of any project can be deployed but the complexity of the user interface makes it difficult to get relevant information. This website will be providing a simplified way of getting projects of any tech stack or of any topic.

The User will be able to search through different topics with the help of tech stack tags. Users can also get the contact information of the project creators.

This platform will be easy to use and accessible to everyone so that anyone from any academic year can collaborate and connect with each other.

2. Relevance/Importance of proposed work

It creates an opportunity for the users to search through the different projects of the IT departments. To get a brief idea regarding how the projects UI looks, its tech stack as well as its creators. This platform will be easy to use and accessible to everyone so that anyone from any academic year can collaborate and connect with each other. Projects are been created each year and there is no as such

technical record for the projects created during the academic year and also under which Professor's guidance projects have been created. Students also find it very much difficult to select the idea regarding their mini- projects. This website will help them to get different domain ideas and also to extend the already existing ideas on the website.

3. Scope of the work/Problem formulation

The User will be able to search through different topics with the help of tech stack tags. Users can also get the contact information of the project creators.

This platform will be easy to use and accessible to everyone so that anyone from any academic year can collaborate and connect with each other. To get a brief idea regarding how the projects UI looks, its tech stack as well as its creators. This platform will be easy to use and accessible to everyone so that anyone from any academic year can collaborate and connect with each other. Projects are been created each year and there is no as such technical record for the projects created during the academic year and also under which Professor's guidance projects have been created.

4. Problem Statement

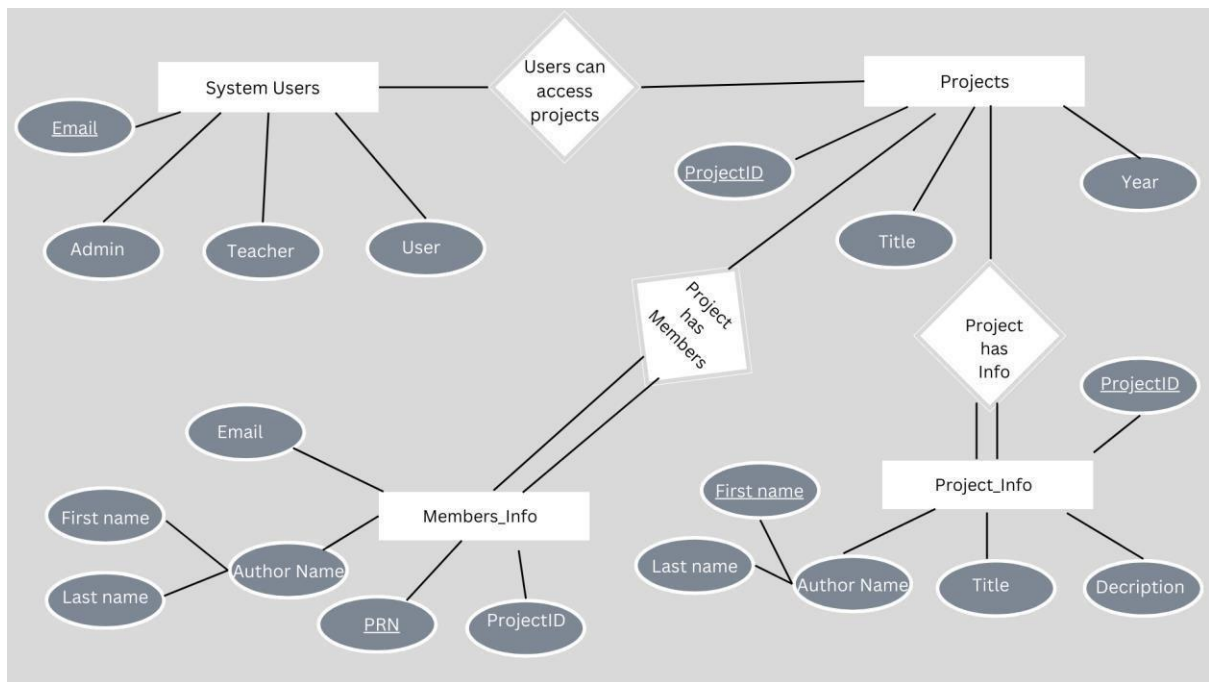
To design a website for maintaining a record of the different projects completed by the IT Department students, and making other users possible to browse through different projects available on the website.

5. Objectives

- The project management software allows the student to upload their project and refer to the repositories for the previous projects.
- The website will also provide the tags with which the user will be able to search the projects more efficiently.
- Users can browse through different projects available on website
- To make our website an open source platforms so that users outside the college can also access the projects hosted on the website.

6. Methodology/Planning of study

6.1. ER Diagram



6.2. Database Schema

UserSchema for Login :



```
1  const userSchema = new mongoose.Schema({
2    name:{
3      type: String,
4      required: true
5    },
6    email:{
7      type: String,
8      required: true,
9      unique:true
10   },
11   password:{
12     type: String,
13     required: true
14   },
15   emailToken:{
16     type: String
17   },
18   isVerified:{
19     type: Boolean
20   },
21   date:{
22     type: Date,
23     default:Date.now()
24   },
25 })
26
```

UserSchema for Data collected via upload :

```
1  const detailSchema=new Schema({
2    title:{
3      type:String,
4      unique:true,
5      required:true
6    },
7    obj:{
8      type:String,
9      required:true
10   },
11   myfile:{
12     type:String,
13   },
14   myfile1:{
15     type:String,
16     // default:"https://drive.google.com/file/d/1WwQrD7PDI3YC_7NwOzwGsjGjrLGL6Sy5/view?usp=share_Link"
17     // required:true
18   },
19   yname:{
20     type:String,
21     required:true
22   },
23   email:{
24     type:String,
25     required:true
26   },
27   sociallink:{
28     type:String,
29     required:true
30   },
31   sociallink1:{
32     type:String,
33     required:true
34   },
35   gname:{
36     type:String,
37   },
38   // {{type:String}}
39   technologies:[],
40   apk_views:[],
41   vid1:{
42     type:String,
43     default:null
44   },
45   repolink:{
46     type:String,
47     required:true
48   },
49   weblink:{
50     type:String
51   },
52   apkf:{
53     type:String
54   },
55
56
57 }, {
58   timestamps:true
59 }
60 )
```

6.3 UI/ Frontend Design



Projects Website

LOG IN SIGN UP

Register

Name

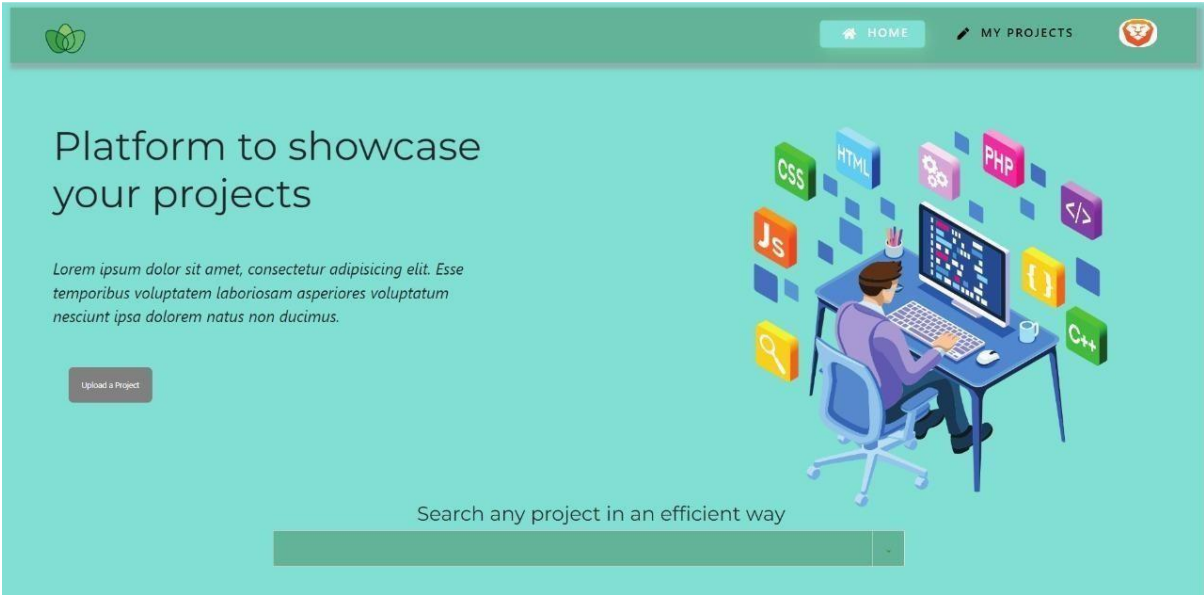
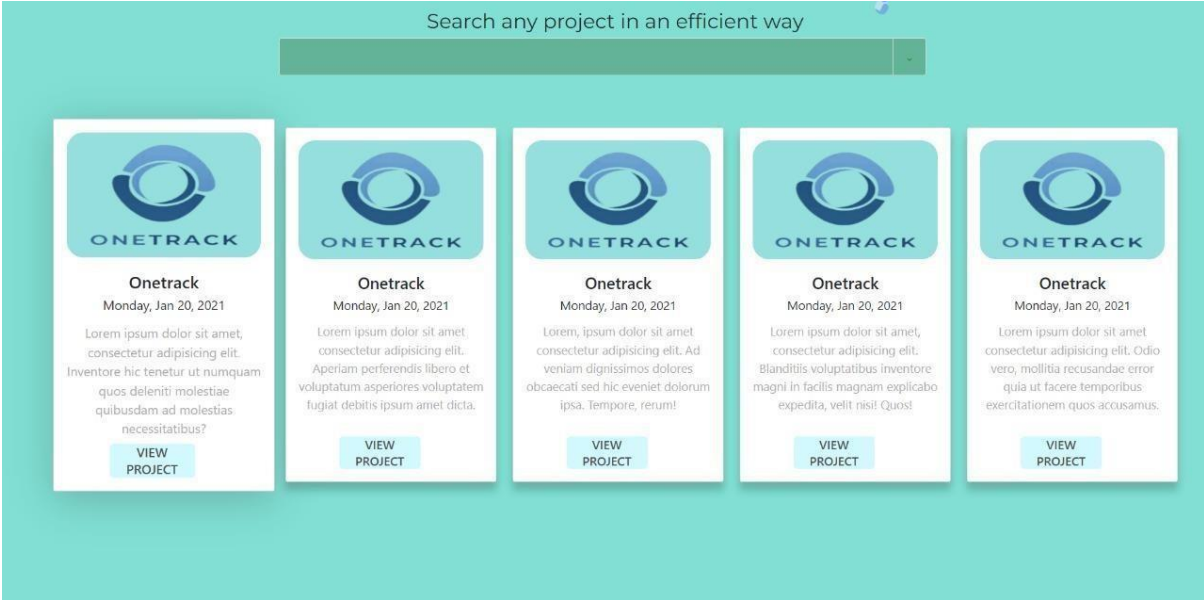
Email

Password

Confirm Password

SUBMIT

Login



1

2

3

Project details

Project Title

Project Objective

Project description/ppt/report

Choose File

No file chosen

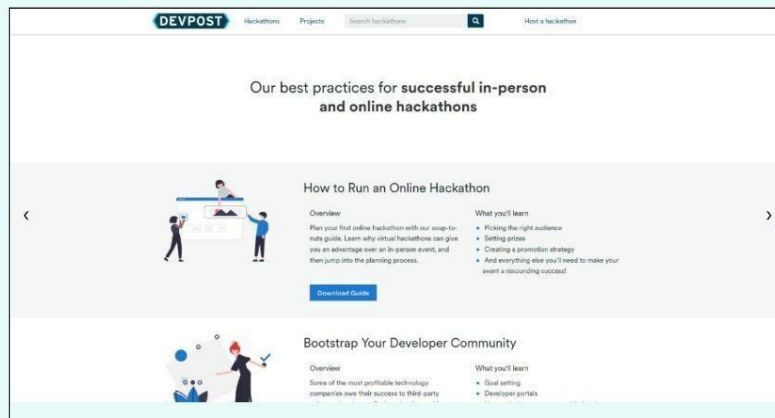
Upload logo or poster of your project

Choose File

No file chosen

Next

Glimpses of Project



In Nutshell

There are many kinds of brain abnormalities that caus

Github Link



Technology Stack Used



Contributors

Home

My Projects

Starred Project

Dashboard

Services

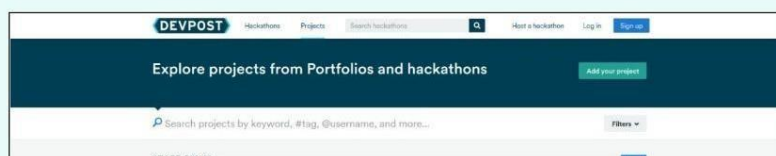
Alzheimer's Disease Detection Using 2D Convolution

Alzheimer's disease (AD) is a non-treatable and non-reversible disease that affects about 6% of people who are 65 and older. Brain magnetic resonance imaging (MRI) is a pseudo-3D imaging modality that is widely used for AD diagnosis. Convolutional neural networks with 3D kernels (3D CNNs) are often the default choice for deep learning based MRI analysis.

end



Glimpses of Project



7. Technology Required

7.1 Front-end Design Technologies : HTML, CSS, BOOTSTRAP

1. **Hypertext Markup Language(HTML)** - It is the standard markup language for creating web pages and web applications. With Cascading Style Sheets(CSS) and JavaScript, it forms a triad of cornerstone technologies for World Wide Web browsers. HTML documents from a web server or from local storage render the documents into multimedia web pages. HTML describes the structure of a web page semantically and was originally included for the appearance of the document.

2.
3. **Cascading Style Sheets(CSS)**- It is a style sheet language used for describing the presentation of a document written in a markup language like HTML, CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript. CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file and reduce complexity and repetition in the structural content.
4. **Bootstrap**- It is a free and open-source front-end library for designing websites and web applications. It contains HTML and CSS-based design templates for typography, forms, button, navigation, and other interface components, as well as optional JavaScript extensions. Unlike many web frameworks, it concerns itself with front-end development only.

7.2 Backend Technology : NodeJS

NodeJS - Node.js is an open source server environment. Node.js runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.) and uses JavaScript on the server. Node. It helps by generating dynamic page content . Node.js can create, open, read, write, delete, and close files on the server. It can collect form data and can add, delete, modify data in your database .

Node Package Manager (npm) packages used = bcrypt, cookie-parser, express, hbs, jade, jsonwebtoken, mongodb, mongoose, morgan, multer, nodemailer, store.

7.3 Database : MongoDB

MongoDB - MongoDB is an open-source document database and leading NoSQL database. MongoDB is written in C++ . MongoDB is a cross-platform, document oriented database that provides, high performance, high availability, and easy scalability. MongoDB works on concept of collection and document. Documents have dynamic schema. Dynamic schema means that documents in the same collection do not need to have the same set of fields or structure, and common fields in a collection's documents may hold different types of data.

8. References

1] Documentation for most of the web technologies : -

<https://devdocs.io/>

2]] Official Documentation :-

NodeJS : <https://nodejs.org/en/docs/>

MongoDB: <https://www.mongodb.com/docs/>