

PROJECT MANAGEMENT SYSTEM

Submitted in partial fulfillment of the requirements for the
award of
Bachelor of Technology degree in
Information Technology

By

SOWMIYA S (Reg No- 3912117)
YASWANTHAN S R (Reg No- 39120139)



DEPARTMENT OF INFORMATION TECHNOLOGY
SCHOOL OF COMPUTING

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade "A" by NAAC | 12B Status by UGC | Approved by AICTEs
JEPPIAAR NAGAR, RAJIV GANDHI SALAI,
CHENNAI - 600119

MAY- 2023



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade "A" by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

DEPARTMENT OF INFORMATION TECHNOLOGY

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of Yaswanthan S R (Reg. No - 39120139) and Sowmiya S (Reg. No- 39120117) who carried out the Project Phase-2 entitled "PROJECT MANAGEMENT SYSTEM" under my supervision from January 2023 to May 2023.

Internal Guide

Dr. R. M GOMATHI M.Tech., Ph.D.,

Head of the Department

Dr. R. SUBHASHINI M.E., Ph.D.,

Submitted for Viva-voce Examination held on 11.05.2023

Internal Examiner

External Examiner

DECLARATION

I, **Yaswanthan S R** (Reg. No- 39120139), hereby declare that the Project Phase 2 Report entitled "**PROJECT MANAGEMENT SYSTEM**" done by me under the guidance of **Dr. R. M. Gomathi, M.Tech., Ph.D.**, is submitted in partial fulfillment of the requirements for the award Bachelor of Technology degree in Information Technology.

DATE: 11.05.2023

PLACE: Chennai


SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to **the Board of Management of SATHYABAMA** for their kind encouragement in doing this project and completing it successfully. I am grateful to them.

I convey my thanks to **Dr. T. Sasikala M.E., Ph.D., Dean**, School of Computing, **Dr. R. Subhashini M.E., Ph.D.**, Head of the Department, Department of Information Technology for providing me with the necessary support and details at the right time during the progressive reviews.

I would like to express my sincere and deep gratitude to my Project Guide **Dr. R. M Gomathi M.Tech., Ph.D.**, for her valuable guidance, suggestions, and constant encouragement that paved the way for the successful completion of my phase-2 project work.

I wish to express my thanks to all Teaching and Non-teaching staff members of the **Department of Information Technology** who were helpful in many ways for the completion of the project.

ABSTRACT

Managing and controlling the final year projects of students using manual or traditional processes is a very tedious job. The main aim of the project is to create an automated system for managing all the activities of projects. The project management system is a system for managing, controlling, and monitoring the final-year projects of students. It is a web-based portal or application that is useful for students, project coordinators, and project guides. Firstly, all the students need to register in the system using the registration form. Then registered students can log in to the system using their id and password to get authenticated. When the students log in to the system, then they will form the groups on their own. Similarly, the project guide needs to login into the system using their id and password. PMS also allows the group of students to provide at least three project domains and then the system will automatically assign the guides to the group of students. The project coordinator is the main aspect of the system which will assign different tasks to the students. The project coordinator and project guide coordinate with each other. Depending upon the different parameters, the work is assigned by the coordinator and the progress chart of the group is created. For creating a progress chart, we are using a work breakdown structure.

CHAPTER NO.	TITLE	PAGE No.
	ABSTRACT	i
	LIST OF FIGURES	ii
	LIST OF ABBREVIATIONS	iii
1	INTRODUCTION	1
	1.1 Project Overview	
2	LITERATURE SURVEY	2
	2.1 Inferences from Literature Survey	
	2.2 Open Problems in Existing System	2
3	REQUIREMENTS ANALYSIS	3
	3.1 Feasibility Studies/ Risk Analysis of the Project	3
	3.2 Software Requirements Specification Document	3
	3.3 System Use Case	3
4	DESCRIPTION OF THE PROPOSED SYSTEM	4
	4.1 Architecture/Overall Design of Proposed System	4
	4.2 Project Management System	4
5	IMPLEMENTATION DETAILS	10
	5.1 Modules	10
	5.1.1 Project Coordinator Module	10
	5.1.2 Project Guide Module	10
	5.1.3 Student module	10
6	RESULTS AND DISCUSSION	
	6.1 Conclusion	
7	CONCLUSION	11
	REFERENCES	11
	APPENDIX	12
	A. SOURCE CODE	12
	B. SCREENSHOTS	23
	C. RESEARCH PAPER	35

LIST OF FIGURES

FIGURE NO	FIGURE NAME	PAGE NO
6.1	System Architecture diagram	10

LIST OF ABBREVIATIONS

HTML	Hyper Text Markup Language
CSS	Cascading Style Sheet
PHP	Hypertext Preprocessor
WBS	Work Breakdown Structure

CHAPTER 1

INTRODUCTION

1.1 Project Overview

In today's world, nobody takes an initiative to look for notices which are displayed on the notice boards. Many students miss the information about some important notices and updates related to their final year projects. Also, the students are not able to keep track of their project-related activities. It becomes very easy if all the details and updates of the project from guides and coordinators are readily available for the students. Managing the final year projects manually is a very stressful job. But using a simple web portal anyone can carry out their project-related work which is the main aim of a Project Management System (PMS). It provides students, Project coordinators, and Project guides a simple web portal to manage and monitor the overall project activities. All the modules of the system have a unique user id and password. Then any module can log in to the system using their id and password to get authenticated further. PMS allows the group of students to choose guides/ mentors based on the domain of their project. The project coordinator is the main module of the system which assigns various tasks to the students. The project coordinator and Project guide interacted with each other. Depending upon the different parameters related to the work assigned by the coordinator, the progress chart of the group is created and grades will get automatically assigned for the particular group of students.

1.2. AIM

The main aim of the proposed system is to simplify the process of assigning supervisors and submitting projects of students which is fully automated with document submissions and approvals. The project management system is a system for managing, controlling, and monitoring the final-year projects of the students. To design a project management system. To give easy access to the project management web portal for the students and the staff.

1.3 Scope of the Project

The scope of the project is that it may help collect perfect management in detail. In a very short time, the collection will be obvious, simple, and sensible. It will help a person to know the management of passed year perfectly and vividly. It also helps in current all work relative to Project Management System. It will be also reduced the cost of collecting the management & collection procedure will go on smoothly.

The project aims at Business process automation, i.e., we have tried to computerize various processes of the Project Management System. In the computer system, the person has to fill in various forms & the number of copies of the forms can be easily generated. The project is aimed at connecting the students and mentors in an easy way. The scope of this project is very broad in terms of the management system. There are two parts in developing this project. This project will involve knowledge and experimentation based on web design, database design, and server design.

CHAPTER 2

LITERATURE REVIEW

2.1 Inferences from Literature Survey

The existing system of project management is manual. The project coordinator or guide gives to for students manually. Students complete which is given by coordinator or guide and submit manually, in this system all work is done by manually so it can take more time to complete project-related work. The project coordinator or guide requires remembering in mind when student completed the work so it is difficult for Project coordinator or guide which student completed the task and when. In the existing system does not help users to get right information at right time and user cannot manage project development easily to achieve the main goal.

A balanced scorecard-based information system for managing the development of software for student teamwork is focused on a balanced scorecard (BSC) and can be used at both the strategic management level of the ever-improving university business processes and at the micro level of the teams of students working on various projects [1]. For students' collaborative project planning, a new BSC model is being offered as a project measurement technique is being proposed.

In [2] Web UPMS- a management system for managing student projects that is being created to improve upon the current manual undergraduate project administration method and facilitate all future undergraduate project administration methods with more efficiency.

To cut down on free-riding in projects, [3] has introduced skill-based group formation. The utilization of GitHub repositories for progress tracking Team members who do peer reviews to assist mentors in identifying and addressing students' collaborative skillset weaknesses.

The document [4] describes the database design of the information system for managing students' project activities. That primarily focuses on creating database designs for forming common cultural competencies ability to deal with data, skill growth, being a competent team player, leadership skills development, and the capacity for the initiative is all-important for undergraduate students when working on basic level projects. The application in [5] creates a venue for the students to

report problems they face in their day-to-day actions. Students can submit their concerns to the Grievance Redressal Committee through the web application.

The creation of a system using cloud computing to coordinate and track students' learning progress. Analysis of the specifications established for the info and learning environment, evaluation of the components that are part of coordinating and tracking the students' learning, analysis of cloud services and SWOT analysis of the system were all carried out during the research in [6]. In The process of establishing an environment where students play an active role in educational programs and contribute to dynamic conversations in [7].

2.2. Open Problems in existing System

It is time consuming. The right information is not retrieved at right time. Any updates to the data by team members or the Project coordinator or guide cannot see immediately by the rest of the team. All work is done manually.

2.1.2. Proposed system

In this proposed system we can implement a system that can manage the project cognate all work consummated by utilized and Project coordinator or guide. Coordinator updates project cognate information, view work done by a student at which time and view the progress chart of work done by student, progress chart is developed utilizing WBS ("Work Breakdown Structure"). Student retrieved the given work information updates and consummates this work at given time and submits into the project management system.

CHAPTER 3

REQUIREMENT ANALYSIS

3.1 FEASIBILITY STUDIES

Colleges and universities have a reputation of weaker data security, making them susceptible to data loss. The huge volume of student and staff data built into the system, along with high turnover and a collaborative multi-platform environment result in rampant data loss at institutions. Here are five top data risks and tips on how to protect education institutes against them.

3.1.1. Malware

Digital hackers are watching your every move and trick you to download malware and take control of your computer remotely. They use malware to attack computer networks to perpetrate crimes. Fraudsters use virus, malware, spyware, spams, and phishing to gain access to your sensitive personal information and commit financial crimes. Defend your data against malware through secure servers, whether physical or in cloud, and shield against vulnerabilities.

3.1.2. Theft & Loss

Unauthorized users without permissions who have access to sensitive data can cause harm to educational institutions as a result of theft. There is a risk of the sensitive academic data will be leaked by staff. It becomes easy to lose your storage media with backup data due to misplacement or theft. When you suffer data loss due to various incidents such as mechanical damage, power failure, software crash, disasters or loss of your laptops and mobile devices, it is another way of inadvertent data exposure. Keep all your data safe and secure using role-based access control to ensure confidentiality and privacy.

3.1.3. Unsafe data

If adequate safety precautions are not taken when files and documents are shared in websites, smartphones and tablets via internet networks, the information contained on them might gain access to the devices and get exposed to risks. We can make use of cloud deployments to manage the education system better and better.

3.1.4. Negligence

When data is stored in computers or laptops, it has become so natural that people lose the information when files are accidentally deleted or even it could fall into the wrong hands. Ensure a proper backup strategy to keep your data on important devices and run them smoothly without hassles.

3.1.5. Third party APIs

Quite often, institutions tend to use their credentials for accessing 3rd party APIs. When you integrate third party application into the existing system, you could be exposing the institution and its data at risk. Institutions should integrate the right third-party API with their system and enjoy the best quality of service critical to the operations of the institution.

Educational institutions should start addressing the five pain points with a powerful school management system to mitigate the problems of data security. Cloud-based services can make a tremendous difference to the institute. Provide role-based secure data access, take automatic data backups, and save millions of dollars for the institute.

3.2 SOFTWARE REQUIREMENTS SPECIFICATION DOCUMENT

- i. Operating System: Windows 2000 Professional
- ii. Environment: Visual Studio .NET 2002
- iii. Framework: Version 1.0
- iv. Front end: HTML, CSS, JavaScript
- v. Back end: MySQL
- vi. Server-side scripting: PHP

3.3 SYSTEM USE CASE

- Managing and controlling the final year projects of the students using manual or traditional process is a very tedious job.
- Many students miss the information about some important notices which are displayed on the notice's boards. It is hard for the students to keep track of their project related activities.
- This is the place where Project Management System takes control. Using this web portal / web-based application anyone can carry out their project related work which is the main aim of the project.

CHAPTER 4

DESCRIPTION OF THE PROPOSED SYSTEM

4.1. Architecture/Overall Design of Proposed System

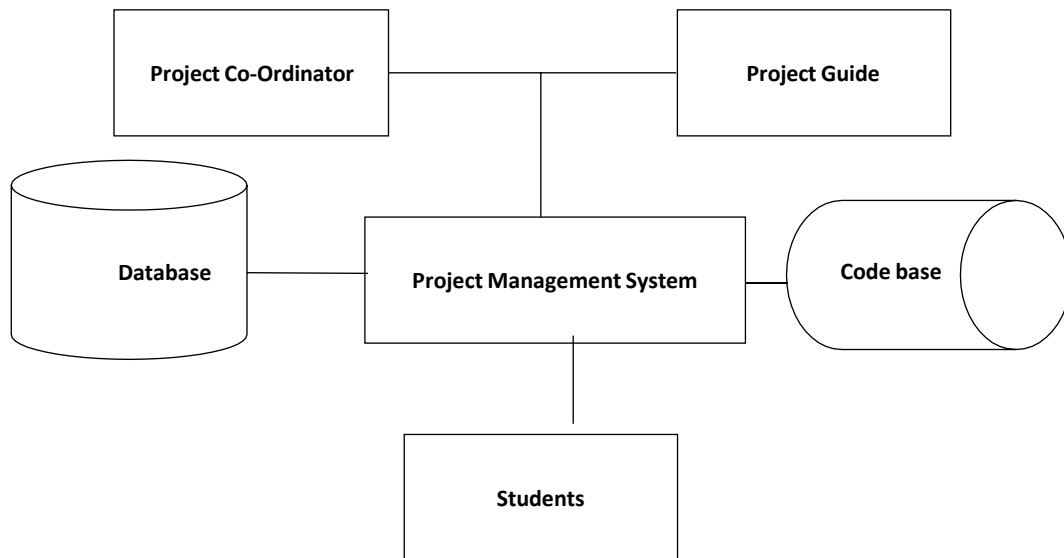


Fig 4.1. System architecture- Project management system

4.2. Project Implementation

The first step is to create the front-end for the application. Design the web application with the features like login, team registration, update review dates, upload documents, download team details etc., All the front-end things are done using basic technologies like HTML, CSS and JavaScript. Then for the backend PHP is used to make the connection with MySQL database and to connect with the server. The website can be hosted locally using the XAMPP server localhost. The three main users of the system are project coordinator, project guide, student. The project coordinator will be able to login to the account using his/her credentials. Post successful registration they will able to see all the list of teams with details

The detailed report consists of team member's names, email, phone numbers, project topics, and opted guide everything will be displayed in a table to the user (project coordinator). He/ She can download it as an Excel for future use. The next module is the project guide/ mentor who will be the staff (faculty) who is guiding the student on a particular domain. The guide will be able to login to the system. Their home page will have a table with the list of teams who opted for them as their project guide. They will be having the details of the team members which can be used for future communication. The final module of the project management system is students. The students have to register themselves as team of two for the project in the system. On the view guide list page, the list of available guides with their details like name, domain etc., will be displayed. Students can have a look on it and choose their mentors on the time of team registration. Post successful registration they will give a prompt message.

The front end of the application needs to be created initially. A web application is being created with features like login, team registration, date updates, document uploads, team details downloads, etc. HTML, CSS, and JavaScript are the only fundamental technologies used for all front-end tasks. After that, PHP is utilized for the backend to connect to the server and the MySQL database. The XAMPP server localhost can be used to host the website locally. The system's three primary users are the project coordinator, project mentor, and student. Using his or her login information, the project coordinator will be able to access the account. After successfully registering, users will be able to view a list of all the teams and their information.

The user (project coordinator) will see a table with the team members' names, emails, phone numbers, project topics, and chosen guides in the comprehensive report. For later usage, he or she can download it as an excel file. The coordinator will have the ability to add and delete guides. He or she will be the one who is the main administrator of the system. The total number of batches under a guide is allocated based on the number of students and the number of faculties available at that time. Based on the two metrics, a mathematical distribution will be made. The issue of one guide getting large number of batches while another guide gets very few or none will not exist as a result of this method. The following module is the project mentor/guide, which will be the staff member (faculty) guiding the student on a certain subject. The instructor will have access to the system. A table listing the

teams that chose them as their project manager will be available on their home page. They will have the team member's contact information, which can be used for upcoming communications. The final module of the project management system is students. The students must sign up for the project as a two-person team in the system. The list of available guides and information about them such as name, domain, etc. will be shown on the view guide list page. When registering their teams, students can look at them and select their mentors from among them. After registering successfully, they will receive a prompt message.

Following this action, each user (student) will have their account created. For system login, each student will have their user credentials. The students must first submit the titles of their projects. They will be accepted by their respective guides. They will then begin working on the projects. The project coordinator will post updates on the review dates and the files that students need to upload for the reviews. Students can upload documents like PPTs, reports, and other types of content to the system by logging into their accounts after attending each review and receiving the appropriate guide's approval. The team's progress will be visible to the project mentors on their dashboard. They have access to the documents uploaded by the students. The project coordinator will have access to every student's progress chart. He/she has full access to the network.

CHAPTER – 5

MODULES IMPLEMENTATION

5.1 Modules

The system has three main modules

- Project coordinator module
- Project guide module
- Student module

5.1.1 Project Coordinator Module

The project coordinator will be able to log in/signup into the system. They will be able to view all teams with their details. They will be able to create or remove project guides. They will be able to see the progress of all the teams. They will be able to download the report as an Excel file.

5.1.2 Project Guide Module

The project guide/ mentor will be able to log in/ signup into the system. They will be able to view all the teams under their guidance. They will be able to give credit to their students. They will be able to view the team's progress with a detailed report and will be able to download them.

5.1.3 Student Module

The students will be able to register their teams by providing all the teams. Post successful registration, the teams will be given credentials for their profile. All the updates of the project will be displayed on the system. Students will be able to update their documents on the portal itself.

CHAPTER- 6

CONCLUSION

Project Management System is a very effective web application which can be used to great extent. This system has many advantages over the traditional system. Some of the advantages are up-to-date status and progress of the team, centralized data, backups etc. The use of this application reduces the extra time and efforts required to manage and monitor the final year projects in colleges. Now this is developed for the “Department of Information Technology, Sathyabama Institute of Science and Technology”, this can be further developed so that the whole college can be benefited from this. It provides a good interface which is easy to handle by the users which helps in adapting to the use of the application. The proposed project management system allowed for control of the workflow of a typical project in a university setting. When the system was used in conjunction with the essential requirements for a university project, the workflow of the entire project management process was effectively completed. Compared to the conventional management approach, the system makes communication between its three main modules—the project coordinator, project guide, and students—much simpler. Even if the system functions as planned, it may benefit from new technology and functionalities. The vast majority of project management tools available today meet universal requirements. The value of developing a unique project management system is substantially greater given the diversity of requirements for universities.

REFERENCES

- Dr. Nisha Soms, S. Prashanth, P. Preethika, D. Deepak kumar, Department of Computer science and engineering, “Student project management system “, IJARESM, March 2021.
- G. A. D. Pradeepa, S. Seneviratna, S. T. Nandarsara, “Web Based Project Collaboration, Monitoring and Management System” (ICTer)-109-155, IEEE, 2014.
- Sanket Kale, Aniket Shewale, Premsagar J. Sarang, Prasad S. Pawar, Safia Sadruddin, “Project Management System (PMS)”, IJEDR, 2017.
- For PHP- www.w3schools.com, www.stackoverflow.com

APPENDIX

A. Source code

```
<?php
    include './header.php';
?>
<!DOCTYPE html>
<html>
    <head>
        <meta name="viewport" content="width=device-width, initial-scale=1" />
        <style>
            body,
            html {
                height: 100%;
                font-family: Arial, Helvetica, sans-serif;
            }

            * {
                box-sizing: border-box;
            }

            .bg-img {
                /* The image used */
                background-image: url("./assets/img/homeimage1.jpg");
                width: 100%;
                min-height: 690px;
                padding: 0px;
                /* Center and scale the image nicely */
                /* background-position: center; */
                background-repeat: no-repeat;
                background-size: cover;
                position: relative;
```

```
}
```

```
/* Add styles to the form container */
```

```
.container {  
  position: absolute;  
  right: 25%;  
  margin: 20px;  
  max-width: 700px;  
  padding: 16px;  
  background-color: white;  
}
```

```
.column{  
  width: 50%;  
  padding: 10px 30px;  
  float :left;  
}
```

```
/* Full-width input fields */
```

```
input[type="text"],  
input[type="email"],  
input[type="tel"],  
select {  
  width: 100%;  
  padding: 15px;  
  margin: 5px 0 22px 0;  
  border: none;  
  background: #f1f1f1;  
}
```

```
input[type="text"]:focus,  
input[type="email"]:focus,  
input[type="tel"]:focus,  
select:focus {
```

```
background-color: #ddd;
outline: none;
}

/* Set a style for the submit button */
.btn {
background-color: rgba(131, 18, 56, 1);
color: white;
padding: 16px 20px;
border: none;
cursor: pointer;
width: 100%;
opacity: 0.9;
}

.btn:hover {
opacity: 1;
}

@media screen and (max-width:70em) {
.column{
width:100%;
}
.column:nth-child(3){
width:100%;
}
}

@media screen and (max-width: 48em){
.column{
widthth: 100%;
padding: 10px;
}
}
```

```

</style>
</head>
<body>
    <!-- <h2>GUIDE SELECTION</h2> -->
    <div class="bg-img"></div>

</body>
</html>
<script>
if ( window.history.replaceState ) {
    window.history.replaceState( null, null, window.location.href );
}
</script>

<?php
    include './dbconnect.php';
    include './nav_bar_main_admin.php';
    // session_start();
    $guide_name=$count="";
    if(!(isset($_SESSION['logged_in']))){
        $message="LOGIN TO CONTINUE!!";
        echo "<script>alert('$message');</script>";
        header("Location: admin_login.php");
        exit();
    }
    $email=isset($_SESSION['email'])?$_SESSION['email']:"";
    // $record=mysqli_query($con,"SELECT * FROM registrations ");
    // $sql="SELECT * FROM registrations ORDER BY guide_name";
    $sql="SELECT * FROM student_credentials ORDER BY guide_name";
    $result=mysqli_query($con,$sql);
    $count=$result->num_rows;
    ?>

<!DOCTYPE html>
<html>

```

```
<head>
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1">
```

```
  <script src="./assets/js/table2excel.js" type="text/javascript">
```

```
</script>
```

```
<style>
```

```
  * {
```

```
    box-sizing: border-box;
```

```
  }
```

```
  body {
```

```
    margin: 0;
```

```
    font-family: Arial, Helvetica, sans-serif;
```

```
  }
```

```
  .header {
```

```
    font-family: "Roboto", sans-serif;
```

```
    font-weight: bold;
```

```
    overflow: hidden;
```

```
    padding: 20px 10px;
```

```
    background-color: rgba(131, 18, 56, 1);
```

```
  }
```

```
  .header a {
```

```
    float: left;
```

```
    color: black;
```

```
    text-align: center;
```

```
    padding: 12px;
```

```
    text-decoration: none;
```

```
    font-size: 17px;
```

```
    line-height: 40px;
```

```
    border-radius: 4px;
```

```
}
```

```
.header img.logo {  
    height: 75px;  
    padding-left: 20px;  
}
```

```
.header a.active{  
    color: white;  
}
```

```
.header a.active:hover {  
    background-color: #ddd;  
    color: black;  
}
```

```
.header-right {  
    float: right;  
}
```

```
@media screen and (max-width: 500px) {  
    .header a {  
        float: none;  
        display: block;  
        text-align: left;  
    }  
}
```

```
.header-right {  
    float: none;  
}  
}
```

```
</style>  
</head>
```

```
<body>
  <!-- <div class="header">
    
    <div class="header-right">
      <a class="active" href="./logout.php">LOGOUT </a>

    </div>
  </div> -->
```

```
<style>
  body,
  html {
    height: 100%;
    font-family: Arial, Helvetica, sans-serif;

  }

  * {
    box-sizing: border-box;
  }

  th,td{
    border-collapse: collapse;
    margin-left: auto;
    margin-right: auto;
    border:3px solid black;
    text-align: center;
    /* width:50%; */
    padding:10px;
  }

  table{
    border-collapse: collapse;
    margin-left: auto;
```

```
        margin-right: auto;
        border:3px solid black;
        text-align: center;
        width:40%;
    }
    th{
        padding:10px;
    }
    h2{
        margin-left:40px;
    }
    h3{
        text-align: center;
    }
    .open-button {
        background-color: rgba(131, 18, 56, 1);
        font-weight:bold;
        color: white;
        padding: 16px 20px;
        margin: 8px;
        width: 140px;
        right: 20px;
        opacity: 0.9;
        float: right;
        margin-right: 45px;
    }
</style>
</head>
```

```
<body>
    <br>
    <button type="submit" name="downloadexcel" id="downloadexcel"
class="open-button">Download Excel File</button>
```

```

<!-- <div class=""><h2> PROJECT ADMIN </h2><br><br></div> -->
<h2 padding-left:25%>PROJECT ADMIN</h2><br><br>
<h3> LIST OF ALL REGISTERED STUDENTS</h3>
<div style="overflow-x:auto;">
    <table class="table" id="table" >
        <thead>
            <tr>
                <th>S.No</th>
                <th>STUDENT NAME</th>
                <th>REGISTER NUMBER</th>
                <th>GUIDE NAME</th>
                <th>PROJECT TITLE</th>
                <th>PPT</th>
                <th>REPORT</th>
                <th>DEMO</th>
                <th>APPROVAL STATUS</th>
                <!-- <th>EMAIL</th>
                <th>PHONE NUMBER</th>
                <th>TEAM MATE</th>
                <th>STUDENT NAME</th>
                <th>REGISTER NUMBER</th> -->

            </tr>
        </thead>
        <tbody>
            <?php
            $i=1;
            while($count>0){
                $row=mysqli_fetch_array($result);
                echo "<tr>
                    <td>".$i."</td>
                    <td>".$row["name"]."</td>
                    <td>".$row["reg_no"]."</td>
                    <td>".$row["guide_name"]."</td>

```

```

        <td>".$row["project_title"]."</td>
        <td>".$<a href='./uploads/ppt/'.$row["ppt"]."
target='_blank'>".$row["ppt"]."</a>". "</td>
        <td>".$<a href='./uploads/report/'.$row["report"]."
target='_blank'>".$row["report"]."</a>". "</td>
        <td>".$<a href='./uploads/demo/'.$row["demo"]."
target='_blank'>".$row["demo"]."</a>". "</td>
        <td>".$row["approval_status"]."</tr>";
        $count=$count-1;
        $i=$i+1;
    }

    ?>

</tbody>
</table>
</div>

</body>

</body>
</body>

</html>
<script>
    document.getElementById('downloadexcel').addEventListener('click',function(){
        var table2excel= new Table2Excel();
        table2excel.export(document.querySelectorAll("#table"));
    });

    if ( window.history.replaceState ) {
        window.history.replaceState( null, null, window.location.href );
    }
</script>

```

```

<?php
    include "./nav_bar_student.php";
    include "./dbconnect.php";
    $reg_no=$count="";
    if(!(isset($_SESSION['logged_in']))) {
        $message="LOGIN TO CONTINUE!!";
        echo "<script>alert('$message');</script>";
        header("Location: student_login.php");
        exit();
    }
    $reg_no=$_SESSION["reg_no"];
    // $sql="SELECT * FROM student_credentials WHERE reg_no='$reg_no'";
    $sql1="SELECT * FROM registrations WHERE student_1_reg_no='$reg_no' or
student_2_reg_no='$reg_no'";
    // $result=mysqli_query($con,$sql);
    $result1=mysqli_query($con,$sql1);
    $row1=mysqli_fetch_array($result1);
    if(isset($row1)){
        $guide_name=$row1["guide_name"];
        if($row1["student_1_reg_no"]=== $reg_no){
            $name=$row1["student_1_name"];
            $email=$row1["student_1_email"];
            $ph_no=$row1["student_1_ph_no"];
            $team_mate=$row1["student_2_name"];
        }
        else{
            $name=$row1["student_2_name"];
            $email=$row1["student_2_email"];
            $ph_no=$row1["student_2_ph_no"];
            $team_mate=$row1["student_1_name"];
        }
    }
}

```

```
?>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
<body>
  <style>
    body,
    html {
      height: 100%;
      font-family: Arial, Helvetica, sans-serif;
    }

    * {
      box-sizing: border-box;
    }

    th,td{
      border-collapse: collapse;
      margin-left: auto;
      margin-right: auto;
      border:3px solid black;
      text-align: center;
      width:50%;
      padding:20px;
    }
    table{
      border-collapse: collapse;
      margin-left: auto;
```

```

        margin-right: auto;
        margin-top: 6%;
        border:3px solid black;
        text-align: center;
        width:50%;
    }
    th{
        padding:10px;
    }
    h2{
        margin-left:40px;
    }
    h3{
        text-align: center;
    }
    .open-button {
        background-color: rgba(131, 18, 56, 1);
        font-weight:bold;
        color: white;
        padding: 16px 20px;
        margin: 8px;
        width: 140px;
        right: 20px;
        opacity: 0.9;
        float: right;
        margin-right: 45px;
    }
</style>

<div style="overflow-x:auto;">
    <table class="table" id="table" width=80% >
        <tbody>
            <tr>
                <td> Name </td>

```

```
        <td><?php echo $name; ?>
    </tr>
    <tr>
        <td> Register Number </td>
        <td><?php echo $reg_no; ?></td>
    </tr>
    <tr>
        <td> Guide Name </td>
        <td><?php echo $guide_name; ?></td>
    </tr>
    <tr>
        <td> Email </td>
        <td><?php echo $email; ?></td>
    </tr>
    <tr>
        <td> Phone Number </td>
        <td><?php echo $ph_no; ?></td>
    </tr>
    <tr>
        <td> Team member </td>
        <td><?php echo $team_mate; ?></td>
    </tr>

</tbody>
</table>
</div>

</body>

</html>
```

B. Screenshot:

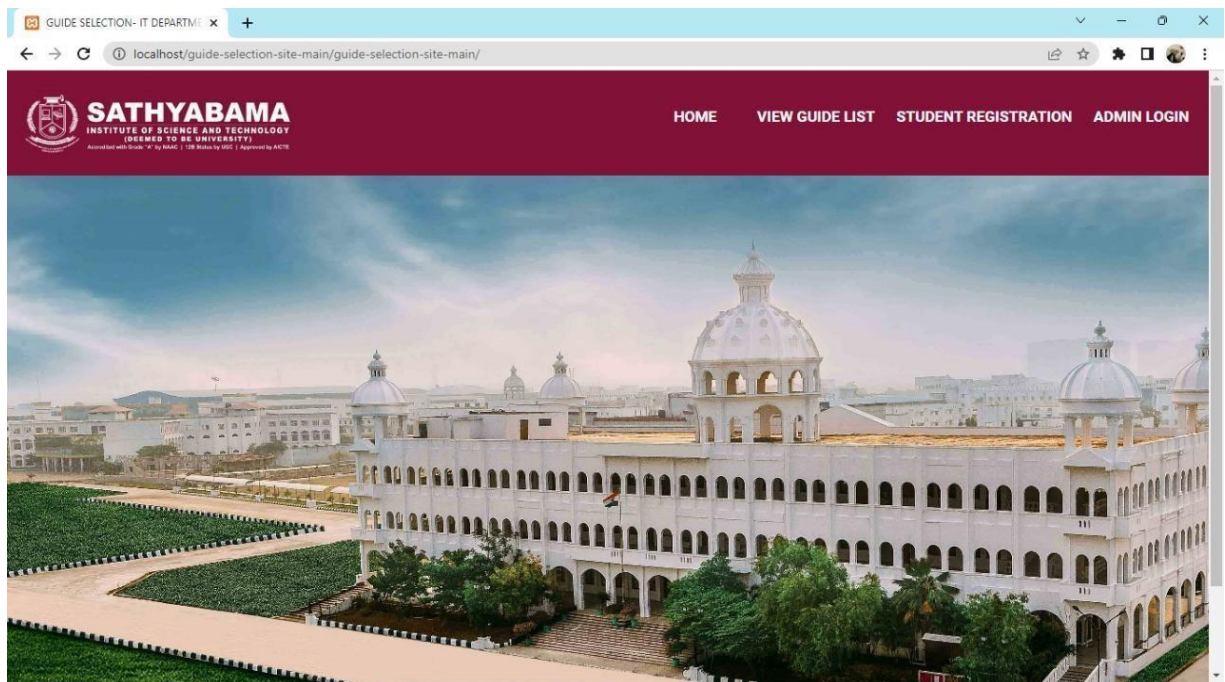


fig A.1 Home

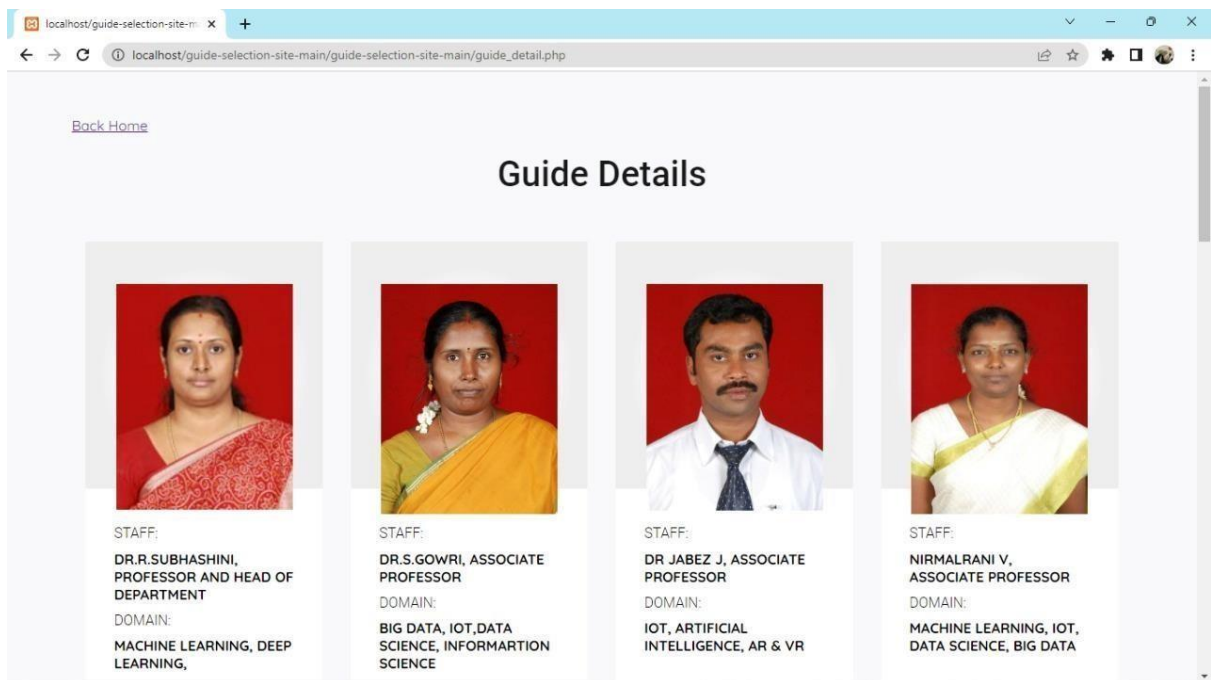


Fig A.2 Guide Details

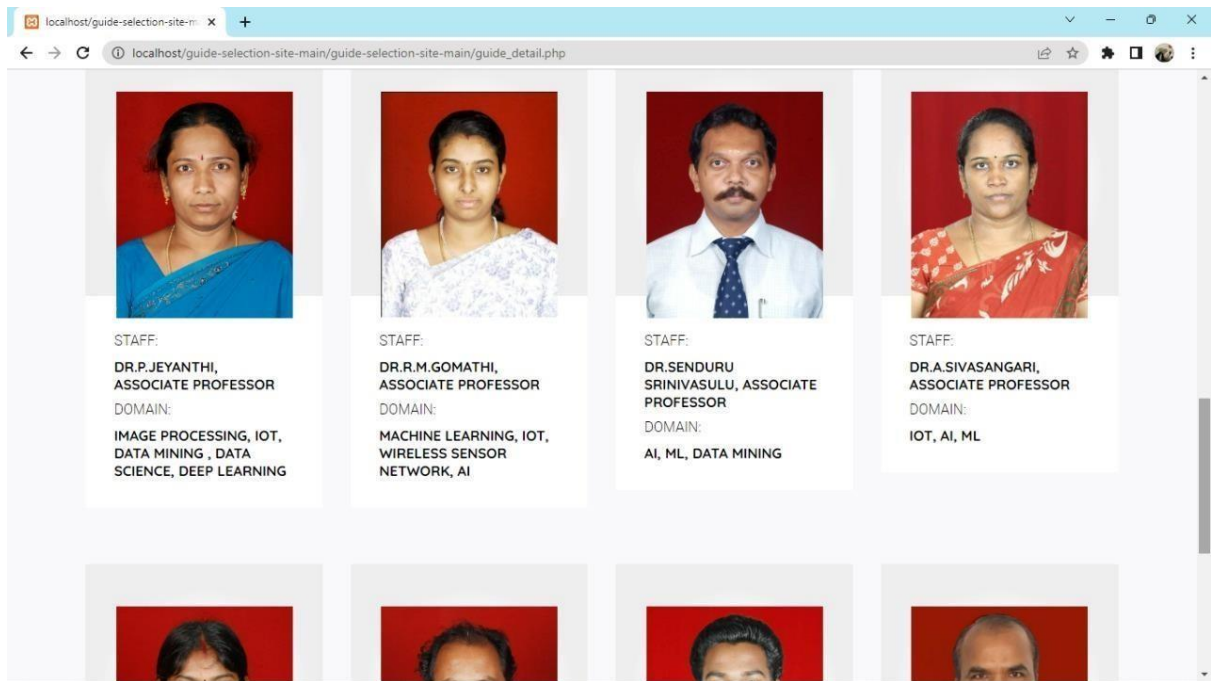
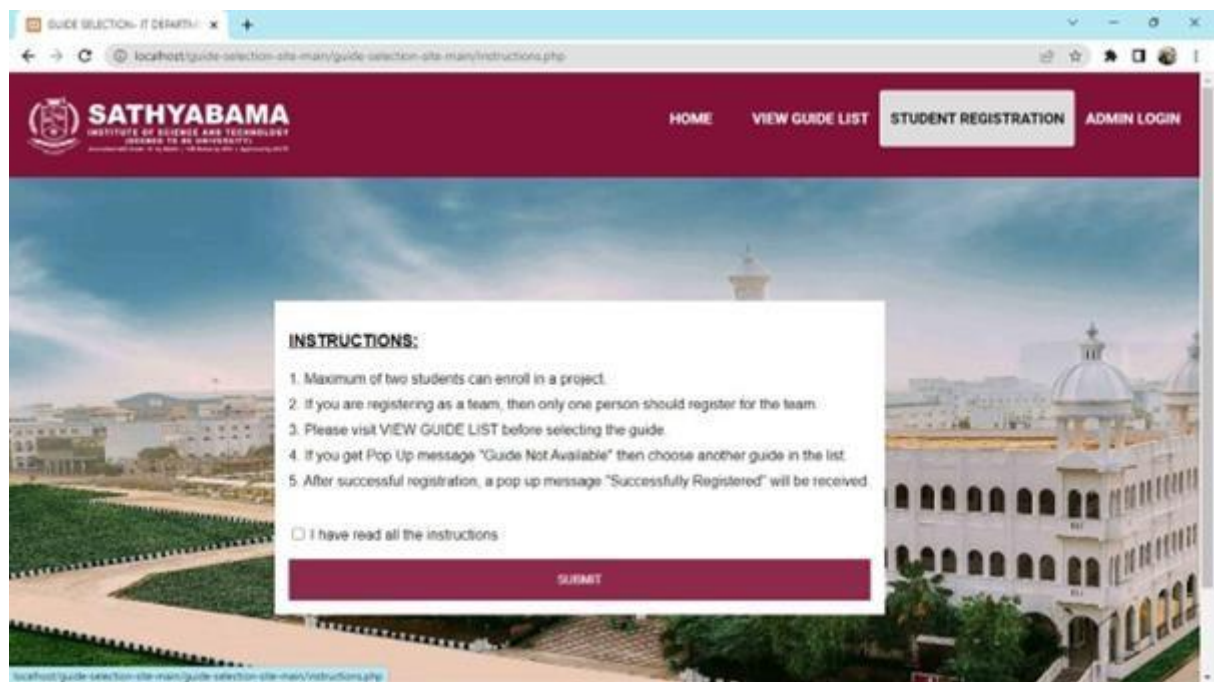


Fig A.3 Guide Details



FigA.4 Student Registration-Instruction

GUIDE SELECTION- IT DEPARTME x +

localhost/guide-selection-site-main/guide-selection-site-main/student_registration.php

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Approved with Grade 'A' by NAAC | ISO 9001:2015 | Approved by AICTE

HOME VIEW GUIDE LIST STUDENT REGISTRATION ADMIN LOGIN

Guide Selection

Team Member-1 Name *	Team Member-2 Name
Register Number *	Register Number
Phone Number *	Phone Number
Mail ID *	Mail ID
Select Guide *	

REGISTER

Fig A.5. Student Registration form

GUIDE SELECTION- IT DEPARTME x +

localhost/guide-selection-site-main/guide-selection-site-main/admin_login.php

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Approved with Grade 'A' by NAAC | ISO 9001:2015 | Approved by AICTE

HOME VIEW GUIDE LIST STUDENT REGISTRATION ADMIN LOGIN

Login

Email

Password

Login

Fig A.6. Admin Login

localhost/guide-selection-site-main/guide-selection-site-main/main_admin_home.php									
 SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY DRIVEN TO BE UNIVERSITY LOGOUT									
PROJECT ADMIN									Download Excel File
LIST OF ALL REGISTERED STUDENTS									
S.No	GUIDE NAME	STUDENT NAME	REGISTER NUMBER	EMAIL	PHONE NUMBER	TEAM MATE	REGISTER NUMBER	EMAIL	PHONE NUMBER
1	Dr A.Sivasangari	Dhaneshwar V	39120022	danydhanesh23@gmail.com	8870327336	Jagadees. M	39120042	jagadees2001@gmail.com	8870327336
2	Dr A.Sivasangari	Nitheshwari V.S	39120076	nitheshwari@gmail.com	6380354604	Rithwik	39120096	maskrs41@gmail.com	7598632196
3	Dr A.Sivasangari	Priyadarshani B	39120086	priyatamil0502@gmail.com	7354728864	Kalaivani.M	39120050	kalaimuruganantham980@gmail.com	9363486597
4	Dr A.Sivasangari	KIRAN K	39120054	kiran637931@gmail.com	6379313934	SATHISH KUMAR V	39120105	skozi200207@gmail.com	8248424049
5	Dr A.Sivasangari	Amirneni Krishna Teja	39120008	krishnatejaamirneni@gmail.com	7995908986	Sreerangam Gokulnath	39120035	sreerangamgokulnath1@gmail.com	8106484618
6	Dr A.Sivasangari	Darshan DS	39120019	darshanshan0007@gmail.com	8098916533	Aman Gupta	39120007	amangupta1745@gmail.com	82922
7	Dr A.Veeramuthu	ANGU KAUSHIK S	39120009	sangukaushik003@gmail.com	8825923981		0		0
8	Dr A.Veeramuthu	Katakam Nagasrisai	39120073	janu182001@gmail.com	6303314881	T.SowmyaShree	39120118	tsreesowmya24@gmail.com	6302822346
9	Dr Brumancia	Richa Sharma	39120095	rs7271087@gmail.com	9129801509	Lakku Snehalatha reddy	39120115	snehalathalakku2002@gmail.com	7995781735
10	Dr Brumancia	Siranjeevi R	39120113	siranjeeviravi2@gmail.com	8270865887	Ravisankar D	39120094	raviragavendra2001@gmail.com	7904176602
11	Dr Brumancia	A Yogeshwari	39120140	yogeshwarisvel1112@gmail.com	9361025298	J Anubama	39120010	anubamaj0407@gmail.com	7904554868
12	Dr Brumancia	Boomesh M	39120016	boomeshm815@gmail.com	6379583206	Anvesh N	39120012	anveshani4585@gmail.com	9087323065

Fig A.7. Project Coordinator – Home

localhost/guide-selection-site-main/guide-selection-site-main/admin_home.php								
 SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY DRIVEN TO BE UNIVERSITY LOGOUT								
Staff Name: Dr.R.M.Gomathi								Download Excel File
LIST OF STUDENTS								
S.No	STUDENT-1 NAME	REGISTER NUMBER	EMAIL	PHONE NUMBER	STUDENT-2 NAME	REGISTER NUMBER	EMAIL	PHONE NUMBER
1	Sowmiya S	39120117	sowmyiaselvam01@gmail.com	9629454476	Yaswanthan S R	39120139	yashvanthrukamangathan@gmail.com	9600217796
2	Mythili V	39120072	mythilivenugopal2002@gmail.com	9385919409	Iniyaadarsini S	39120040	iniyasweetty02@gmail.com	9361266817
3	Praveen K.S	39120083	praveensankar3005@gmail.com	9486907813	Ravi Shankar M.D	39120093	ravisurya200017@gmail.com	9150313058
4	Taniya Verma	39120127	vermataniya901@gmail.com	7016640238		0		0
5	Lakshminarayana	39120060	kantelakshminarayana21@gmail.com	7013196489	Karthik Reddy	39120051	karthikreddymaligireddy437@gmail.com	7095467304
6	Ajay G	39120006	ajay213vishal@gmail.com	9787027845	Mohan K	39120071	mohan270601@gmail.com	7358249465

Fig A.8. Project Guide - Home

localhost/guide-selection/main_...
ScreenApp.IO | Online Screen Re...
localhost/guide-selection/main_admin_home.php


SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DREAMED TO BE UNIVERSITY)
Accredited with Grade 'A' by NAAC | ISO 9001:2015 | Approved by AICTE

LOGOUT

PROJECT ADMIN

Download Excel File

LIST OF ALL REGISTERED STUDENTS

S.No	STUDENT NAME	REGISTER NUMBER	GUIDE NAME	PROJECT TITLE	PPT	REPORT	DEMO	APPROVAL STATUS
1	Sowmiya S	39120117	Dr. R. M. Gomathi	Final year project management system	39120117-ppt	39120117-report	39120117-demo	PENDING
2	Yaswanthan S R	39120139	Dr. R. M. Gomathi	Final year project management system				PENDING
3	Mythili V	39120072	Dr. R. M. Gomathi	Student management system				PENDING
4	Iniyadharsini S	39120040	Dr. R. M. Gomathi	Student Management System				PENDING

Fig A.9. Project coordinator- student progress report

localhost/guide-selection/view_...
ScreenApp.IO | Online Screen Re...
localhost/guide-selection/view_student_list.php


SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DREAMED TO BE UNIVERSITY)
Accredited with Grade 'A' by NAAC | ISO 9001:2015 | Approved by AICTE

LOGOUT

Home

View Student Data

LIST OF STUDENTS

S.No	STUDENT NAME	REGISTER NUMBER	PROJECT TITLE	PPT	REPORT	DEMO	APPROVE STATUS	APPROVE
1	Sowmiya S	39120117	Final year project management system	39120117-ppt	39120117-report	39120117-demo	PENDING	<button>Approve</button>
2	Yaswanthan S R	39120139	Final year project management system				PENDING	<button>Approve</button>
4	Mythili V	39120072	Student management system				PENDING	<button>Approve</button>
5	Iniyadharsini S	39120040	Student management system				PENDING	<button>Approve</button>

Fig A.10. Project Guide- student documents approval

REFERENCES

- [1] T. N. E. Amaras kara, H. G. P. Isurindi, E. H. D. T. D. Navanjana, O. M. Gamage, U. Samarakoon and A. Kugathasan, "Project Zone: An Advanced Undergraduate Project Management System for Software Development," 2021 21st International Conference on Advances in ICT for Emerging Regions (ICter), 2021, pp. 183-188,doi: 10.1109/ICter53630.2021.9774820.
- [2] L. Kazi and B. Radulovic, "Information system based on balanced scorecard for student teamwork software project management," 2011 Proceedings of the 34th International Convention MIPRO, 2011, pp. 1549-1554.
- [3] Li Li, P. Li, Q. Liu, J. Zhang, Z. Wang, and J. Han, "WebUPMS: A Web-based Undergraduate Project Management System," Information Technologies and Applications in Education, 2007. ISITAE '07. First IEEE International Symposium on, Kunming, 2007, pp. 360-364.
- [4] P. I. Mozgaleva, O. M. Zamyatina, and K. V. Gulyaeva, "Database design of information system for students' project activity management", 2014 International Conference on Interactive Collaborative Learning (ICL), 2014, pp. 886-890, doi: 10.1109/ICL.2014.7017891.
- [5] K. Aravindhan, K. Periyakaruppan, K. Aswini, S. Vaishnavi and L. Yamini, "Web Portal for Effective Student Grievance Support System," 2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS), 2020, pp. 1463-1465
- [6] O.I. Chuyko "Development of an Information System for Organizing and Monitoring the Educative Process of Students on the Basis of Cloud Technologies" 2019 International Science and Technology Conference EastConf doi: 10.1109/EastConf.2019.8725342
- [7] Y. Javed and H. Odhabi, "Active Learning in Classrooms Using online Tools: Evaluating Pear-Deck for Students' Engagement," 2018 Fifth HCT Information Technology Trends (ITT), 2018, pp. 126-131