**ASSIGNMENT SCHEDULER**

**PROJECT REPORT**

*Submitted in partial fulfillment of the requirements for the second year of degree of*

*Bachelor of Computer Engineering*

By

**RITHWIK VEDPATHAK (ROLL NO 66)**

**SANKET SUHAGIYA (ROLL NO. 59)**

**SIDDHANT VASAIKAR (ROLL NO. 65)**

*Under the guidance of*

***Asst. Prof. Vikrant A. Agaskar***



**DEPARTMENT OF COMPUTER ENGINEERING**

**VIDYAVARDHINI’S COLLEGE OF ENGINEERING AND TECHNOLOGY**

**K. T. MARG, VASAI ROAD (W.) DIST-THANE, PIN:401202**

**(Affiliated to University of Mumbai)**

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**K. T. MARG, VASAI ROAD (W.) DIST-THANE, PIN:401202**

**DEPARTMENT OF COMPUTER ENGINEERING**



**CERTIFICATE**

*This is to certify that the project entitled to “****ASSIGNMENT SCHEDULAR****” is bonafide work of* **”**Rithwik Vedpathak (66)”, ”Siddhant Vasaikar (65)”,“ Sanket Suhagiya (59)” *submitted to the Mumbai University in partial fulfillment of the requirement for the award of the degree of “****BACHELOR OF ENGINEERING****” in “****Computer Engineering****”.*



**Mr. Vikrant A. Agaskar Project Guide**

**ACKNOWLEDGEMENT**

It gives us a great pleasure to express our deep sense of gratitude and indebtedness to our guide **Mr. Vikrant A. Agaskar** for his valuable support and encouragement throughout the project. We are highly obliged to him for providing us this opportunity to carry out this idea as a part of curriculum of the subject **Object Oriented Programming Methodology** during **SEM III** and helping us to gain the successful completion of our project.

Our special thanks go to Head of the Department of Computer Engineering of our college, **Dr. Megha Trivedi** and to all of the faculties for allowing us to come here and encouraging us constantly work hard in this project.

**ABSTRACT:**

In Engineering colleges students to need maintain their assignments for every subject. This Project aims at the management of assignment of students according to its submission date. At present most students tend to just remember things which often leads to messing things up or forgetting their todos.

The project has a User login section where user each user has his/her own login details. Once the user has logged in he/she comes across an interface which consists of three options i.e. add, delete and show.

The Show section provides information consisting of user’s remaining assignment along with respective submission dates. In Add section assignment is added along with its submission date and each added assignment gets stored in mySQL database. The delete section can be used when the user is done with his/her work by just proving the name of assignment. It gets deleted from the database permanently.

The record can be updated whenever and wherever the user wants to by logging in to their respective accounts. Each user will be given with a separate username and password. Each user has access to alter their records pertaining to assignment they get.

It helps the user to access the number of pending works wherever required and also update them as and when required along with the date of submission of the respective assignments. The records once updated can be manipulated again.

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**PROBLEM DEFINITION**

To design a The Assignment Scheduler whose objective is to provide a system which manages the Assignments of student. The users will consume less amount of time through computerized system rather than working manually. The system will take care of all activities like displaying the assignments for each subject for each student to be satisfied for its completion on time.

The functionalities must be provided to appropriate users.

The interface must be user friendly whose functioning must be understood by the users. There should be no situation of confusion or lack of clarity in the user while handling the software. A ‘Help’ webpage or some mechanism to explain any complex part of the functioning of the website , if any, must be designed. There should be links for proper navigation between the pages. There should also be a mechanism to handle situation where a user cannot remember his login password.

**SCOPE OF PROJECT**

The existing system is heavily based on manual work may lead to human errors.

The students will consume less amount of time through computerized system rather than working manually. The system will take care of all the payroll activities like managing each assignment , the number of days remaining for submission and deletion in a very quick manner.

Data storing is easier.. The system is user friendly and easy to use. All the important data will be stored in the database and it avoids any miscalculation. The project has a very vast scope in future. The project can be implemented in the internet in the future and can be updated in the near future as and when requirement for the same arises, as it is very flexible in terms of expansion. With the database ready and fully functional the client will be able to manage and hence run the entire work in a much better, accurate and error free manner.

**IMPLEMENTATION METHODOLOGY**

**Modules:**

**1.Login:**The user can login on their respective database.

In user’s login, username and password are checked, then also reset and exit buttons are provided to reset the text field and exit from the window respectively.

**2**. **Assignment records Updation:**

The user enters the name of the assignment along with submission date and clicks on the add button to make the changes.

**3.Assignment Records deletion**:

The user may delete the existing assignment after he/she is done with it.These changes are reflected in the entire database.

**5.Show button:**Displays remaining assignment according to its submission date.

**6.Logout:**

This module allows the user to log out of the window.

**SAMPLE CODE**

//CODE FOR SHOW BUTTON

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

try {

try {

Class.forName("com.mysql.cj.jdbc.Driver");

}catch (ClassNotFoundException e) {}

try (Connection conn = DiverManager.getConnection("jdbc:mysql://localhost:3306/todo","root","rithwik")) {

System.out.println("Connection is created successfully:");

Statement stmt = conn.createStatement();

// String dt = del.getText();

//Query

ResultSet re = stmt.executeQuery("select \* from assignment where date >= curdate() order by date");

//Table

DefaultTableModel model = new DefaultTableModel(new String[]{"SUBJECT", "SUBMISSION DATE(YYYY-MM-DD)"}, 0);

table.getTableHeader().setFont(new Font("SansSerif", Font.ITALIC, 20));

JTableHeader Theader=new JTableHeader();

Theader.setBackground(Color.red);

while(re.next())

{

String d = re.getString("subject");

String e = re.getString("date");

model.addRow(new Object[]{d, e});

}

table.setModel(model);

conn.close();

}

} catch (SQLException excep) {}

catch (Exception excep) {}

}

**RESULT**

* This software offers hassle free and time-efficient way to manage your assignment for each subject over traditional paper-based method. This is very helpful for all students of the college to enter the desired information through so much simplicity.
* The project takes basic idea of efficient management of assignment records turning it into software implementation. The front end of the project makes use of java swing and awt as well as database connectivity.
* The flow of the project is easy to understand .The user must go first through login and then modify. The security aspect is also maintained as no other user can jump ahead and modify the database without being registered.
* Thus project fulfills all the requirements needed to successfully maintain assignment records of the students of the college, in an efficient,user-friendly and secure manner.

**CONCLUSION**

It has been a great pleasure for us to work on this project. This project provided us practical knowledge of creating our own website. It also provided us an experience of handling all the procedures related to ‘College Attendance System’. Here, we also handled the various tables of data which were essential for our college database which gave us plenty of knowledge on how to work on data and manage data efficiently.

While working on the project, we gained knowledge about various software used for web development. The project helped to nurture our mindset what thinking is required to develop a project in a real sense which has an application in the real world. We also got an idea about what problems or hindrances can occur during project development and discovered ways to tackle them and resolve them. The project also gave an opportunity to us for working together as a team, thus providing us with a useful experience in working in a project management team.

This project will provide better opportunities and guidance in future in developing projects independently.

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