



ACTIVITIES MONITORING SYSTEM

Mr. Hemanth T¹ and Dr. Devaraj Verma C²

¹6th semester Student, Department of MCA(VTU), Dayananda Sagar College of Engineering, Bangalore-560078.
Email: hemanth859@gmail.com

²Dr. Devaraj Verma C, Assistant Professor, Department of MCA(VTU), Dayananda Sagar College of Engineering, Bangalore-560078. EmailID: devarajverma04@gmail.com

Abstract — This paper developed the application is a beneficial application for the employees working under it. The activities monitoring system is used to maintain the multiple levels that takes place in the development of the project and it also deals with time used in the development of the project.

Activities Monitoring System ensures that the project which is being developed within the organization does not go over the estimated budget and the project is completed within the estimated time. Results in Activities Monitoring System are given as reports. This result gives a bright image of the time used at different stages of the project. If any faults are encountered then the faults can be overcome by examining the results provided by the software for utilizing time and take suitable arrangements. Data of a new project in Activities Monitoring System is entered by the project manager, on the basis of the information of the project the employees are assigned with activities by the project manager who are working under him. The project manager is responsible for registering the client, employee, project, modules and time details. Based on the clients request the project manager assigns the work to the employees.

The employees who are assigned with respective work by the project manager provide a report of the status of the project to the project manager.

Keywords-component; Project monitoring, Budget Constraints, Time line schedule of the project modules

I. INTRODUCTION

The application developed in this paper deals with the various aspects of development of project and deals with significance for utilized time in project analysis, design, testing and verification.

Development of projects under this application range from one-person project to multiple person projects which involves multi-year efforts costing. The goal of Activities monitoring system (AMS) is to avoid projects from late arrival and also to avoid the project from going not more than the estimated budget.

Activities monitoring System (AMS) application provides the management a bright image of various project's usage time i.e. the time which is used and the time which is not used. Each activity, it is of no importance how small or big, needs use of the raw material called time. Other resources may have replacements but there are no replacements for time. Since the time is one of the most valuable of resource. The faults can be overcome by examining the results provided by the software for utilizing time and take suitable arrangements.

II. PROPOSED SYSTEM

The developed application in this paper will altogether keep the information at a single place and relies on the login requirements that have to be utilized. It enables us to go through the details of multiple stages of the system and various modules altogether makes up this system. The time sheet is taken as input in Activities Monitoring System. The input may not be in standard format which differs from one project to another.

Advantages of proposed system:

- For the concerned data it has a control over illegal access.
- The database can be managed very efficiently.
- The data can be tracked in a reliable manner.
- Errors can be kept track of and rectified successfully.
- The reports can be generated easily and fast.

III. SYSTEM DESIGN

The project manager can access the activities monitoring interface to add client registration, project registration, team registration and he also adds employee details, module details & time details. The project manager views the

final report of the activities that has taken place in the company. The project leader views the details added by the project manager and assigns work to the team leader. The team leader works on the work assigned by the project leader and assigns work to the programmer and gives the final report of the status of the project to the project manager. The figure 1 shows the main components in the application developed for monitoring the activities of the project in an organization.

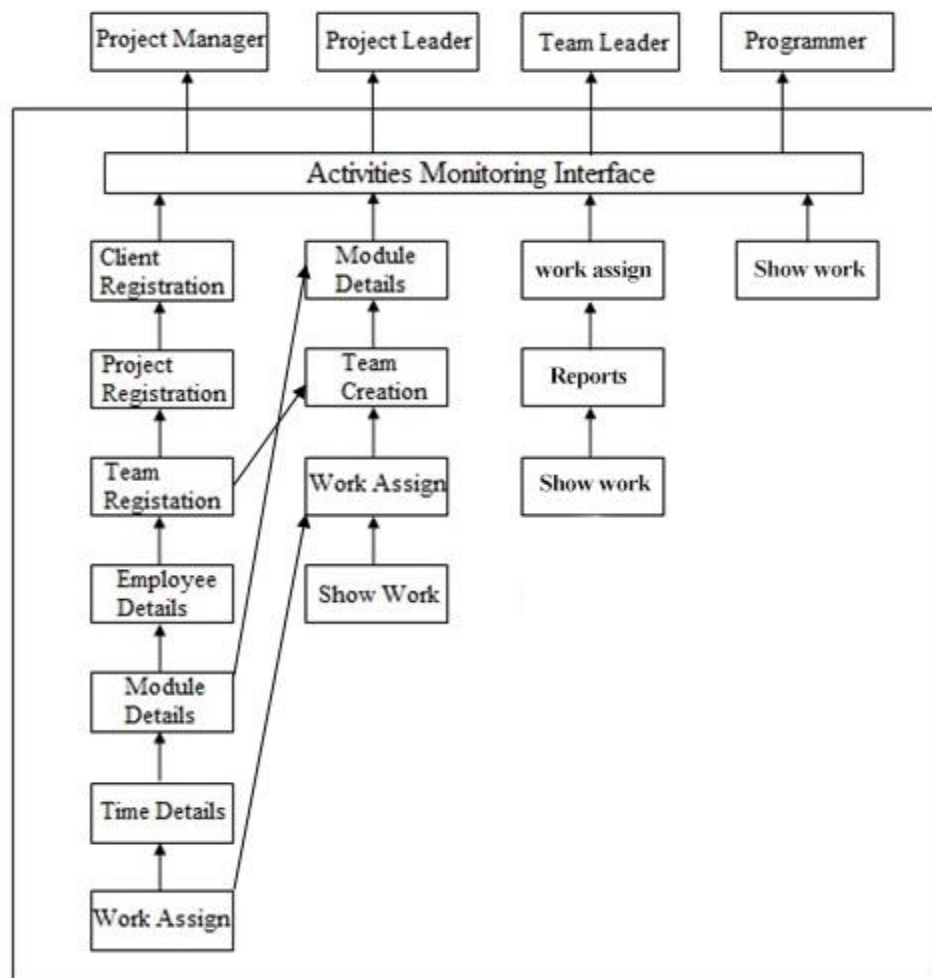


Figure 1. Block Diagram of the AMS application

Project manager will login into the activities monitoring system, where he can add the project details as per the request from the client. He also assigns details of the group which works on the project. He registers the details of the client. The project details the details of the final report of the status of the project.

The employees who are assigned by the project manager have the ability to login into the system. The employee can access the timesheet and the report of the project.

IV. RESULTS & DISCUSSION

Login page as shown in the figure 2 allows the project manager, team leader, project leader and programmer to login into the system.

The screenshot shows the LOGIN page of the Activities Monitoring System. The page has a light orange background. At the top, it says "ACTIVITIES MONITORING SYSTEM". Below this, there is a green-bordered box containing the login form. The form has the following fields:

- UserId:** A text input field.
- PassWord:** A text input field.
- Role:** A dropdown menu with "ProjectManager" selected.
- Login** and **Reset** buttons.

 The word "LOGIN" is written in red, bold, italicized font above the form fields. The browser address bar shows "localhost:3030/ProjectMonitoringSystem/LoginForm.jsp" and the date "Thu May 25 11:26:16 IST 2017".

Figure 2. Login Page for Users

Client registration as shown in the figure 3 is accessed by project manager to register the client.

Figure 3. Client Registration Page

Project registration as shown in the figure 4 is accessed by project manager to register a project.

Figure 4. Project Registration

The project manager creates a team by assigning a team to a particular project as shown in the figure 5.

Figure 5 Team Registration

The project manager registers an employee and assigns a role to him as shown in the figure 6.

The screenshot shows a web browser window with the URL `localhost:3030/ProjectMonitoringSystem/HeadFrame.html`. The page has a green header with 'Project Management Software' and a 'Logout' link. A left sidebar contains a menu with links: Client Registration, ProjectRegistration, Teams Creation, Employees Details, Module Details, Time Details, Work Assign Form, and Reports. The main content area displays the 'Employee Registration' form. The form has a title bar with 'Employee Registration' and a date 'Date:25/5/2017'. It contains the following fields: 'EmployeeID' (text input), 'ProjectID' (dropdown menu), 'EmployeeName' (text input), 'TeamID' (dropdown menu), and 'Role' (dropdown menu with 'Programmer' selected). At the bottom are 'Submit' and 'Reset' buttons.

Figure 6. Employee Registration

The project manager registers a module and assigns the module to a particular team as shown in the figure 7.

The screenshot shows a web browser window with the URL `localhost:3030/ProjectMonitoringSystem/HeadFrame.html`. The page has a green header with 'ACTIVITIES MONITORING SYSTEM' and a 'Logout' link. A left sidebar contains a menu with links: Client Registration, ProjectRegistration, Teams Creation, Employees Details, Module Details, Time Details, Work Assign Form, and Reports. The main content area displays the 'Module Registration' form. The form has a title bar with 'Module Registration' and a date 'Date:25/5/2017'. It contains the following fields: 'ModuleID' (text input with value '1'), 'ProjectID' (dropdown menu with value 'PID_1'), 'AssignTeamID' (dropdown menu with value '1'), 'MduAssignDate' (text input with value '22-05-2017' and a hint '(eg dd-mm-yyyy)'), 'DateToSubmit' (text input with value '15-06-2017' and a hint '(eg dd-mm-yyyy)'), 'ModulPlatForm' (dropdown menu with value 'Java'), and 'ModuleDescription' (text area with value 'Patient registration'). At the bottom are 'Submit' and 'Reset' buttons.

Figure 7. Module registration

The Time details of the projects can be retrieved from the project manager which shows the start and end time of the project assigned to the employee as in the figure 8.

The screenshot shows a web browser window with the URL `localhost:3030/ProjectMonitoringSystem/HeadFrame.html`. The page has a green header with 'Project Management Software' and a 'Logout' link. A left sidebar contains a menu with links: Client Registration, ProjectRegistration, Teams Creation, Employees Details, Module Details, Time Details, Work Assign Form, and Reports. The main content area displays the 'Time Details' form. Above the form, it says 'Client Id----->CID_1'. The form has a title bar with 'Time Details' and a date 'Date:25/5/2017'. It contains the following fields: 'ProjectID' (dropdown menu with value 'PID_1'), 'P Given Date' (text input with value '20-05-2017'), 'P Start Date' (text input with value '20-05-2017'), 'C Required Date' (text input with value '02-02-2018'), 'P Issue Date' (text input with value '10-05-2017'), and 'Extend Issue Date' (text input with value '15-02-2018' and a hint '(eg dd-mm-yyyy)'). At the bottom are 'Submit' and 'Reset' buttons.

Figure 8 Time Details of the Project

The report manager module allows the project manager to get the detailed report on client, project, and work assignment sheet. The figure 9 gives the details of the client report that can be generated with the help of the report manager.



Figure 9 Client Report

REFERENCES

- [1] Byung Ki Kim,, Young Jun Yoo, ChuckYoo, and Young Woong Ko, "Design and Implementation of Resource Management Tool for Virtual Machine" Springer-Verlag Berlin Heidelberg 2012, pp 17 – 24.
- [2] Patrice Norton & Herbert Child, "JAVA-2 Complete-Reference", Publisher: Tata McGraw Hill, (page 22 to 43)