GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS

PRESIDENCY UNIVERSITY

Private University Estd. in Karnataka State by Act No. 41 of 2013

BANGALORE

PRESIDENCY GROUP OVER 40 YEARS OF ACADEMIC WISDOM

A Project Report

On

“Time and Productivity analysis”

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ABSTRACT

For the successful project management and its success, many studies have been done but still, many of the software projects cannot end up well. One of the main reason behind it is time management and also analyzing the productivity. So, the time tracking software is being developed, this will collect and analyses the insights to improve overall efficiencies, like Identifying inefficiencies, Resource Allocation, enhancing team efficiency, task management, performance measurement and ensuring the successful project outcomes. By applying these insights, organizations can unlock their full potential and achieve their goals effectively.

1. INTRODUCTION

- **Time** and **productivity analysis** can be defined as the process of systematically examining how time is utilized and how it affects the overall productivity of individuals, teams, or organizations.
- **Time Management** refers to the practice of allocating and using time wisely to accomplish tasks and achieve objectives efficiently. Effective time management helps reduce stress, increase work-life balance, and boost individual and team performance.
- **Productivity** is a measure of how efficiently resources, including time, are used to produce desired results. Improved productivity leads to higher outputs with the same or fewer resources. It is essential for competitiveness and profitability in business and overall personal effectiveness.
- The main objectives of time and productivity analysis are to optimize resource allocation, improve efficiency, and enhance overall productivity. Analyzing time and productivity is crucial for organizations as it allows them to identify bottlenecks, streamline processes, and make informed decisions to achieve better outcomes.

2. LITERATURE REVIEW

- The Influence of Agile Methodology(scrum) on software Project Management, Aisal Hayat, (2020) **[1]**
- Advance Recommendation System for the Formation of More Prolific and Dynamic Software Project Team, Wasi Haider Butt (2019).[**2]**
- Effect of Project management in requirement engineering and requirement change management processes for global software development, Muhammad Shafiq. (2018) **[3]**
- Time management method for software development projects-analytical summary, (2018) **[4]**.

3. OBJECTIVES

- **Identify Inefficiencies:**

  Recognize and pinpoint areas where time is being wasted or utilized inefficiently within processes or workflows.
- **Resource Allocation:**

  Determine how time and resources are allocated across different tasks or projects to ensure optimal utilization.
- **Task Management:**

  Within each project, provide the ability to create, assign, and track individual tasks. Users should be able to set priorities and due dates for tasks.
- **User Authentication and Access Control:**

  Implement user accounts and roles, such as admin, manager, and team member, to ensure that only authorized individuals can access and modify project data.
- **Notifications and Alerts:**

  Send automated notifications and reminders to users regarding upcoming deadlines, task assignments, or project milestones.

4. EXPERIMENTAL DETAILS / METHDOLOGY

XAMPP v3.3.0 as my local webserver that has a PHP Version 8.0.7

a. Front-End

- HTML
- CSS
- JavaScript
- PHP

b. Back-End

- PHP for server side
- Scripting

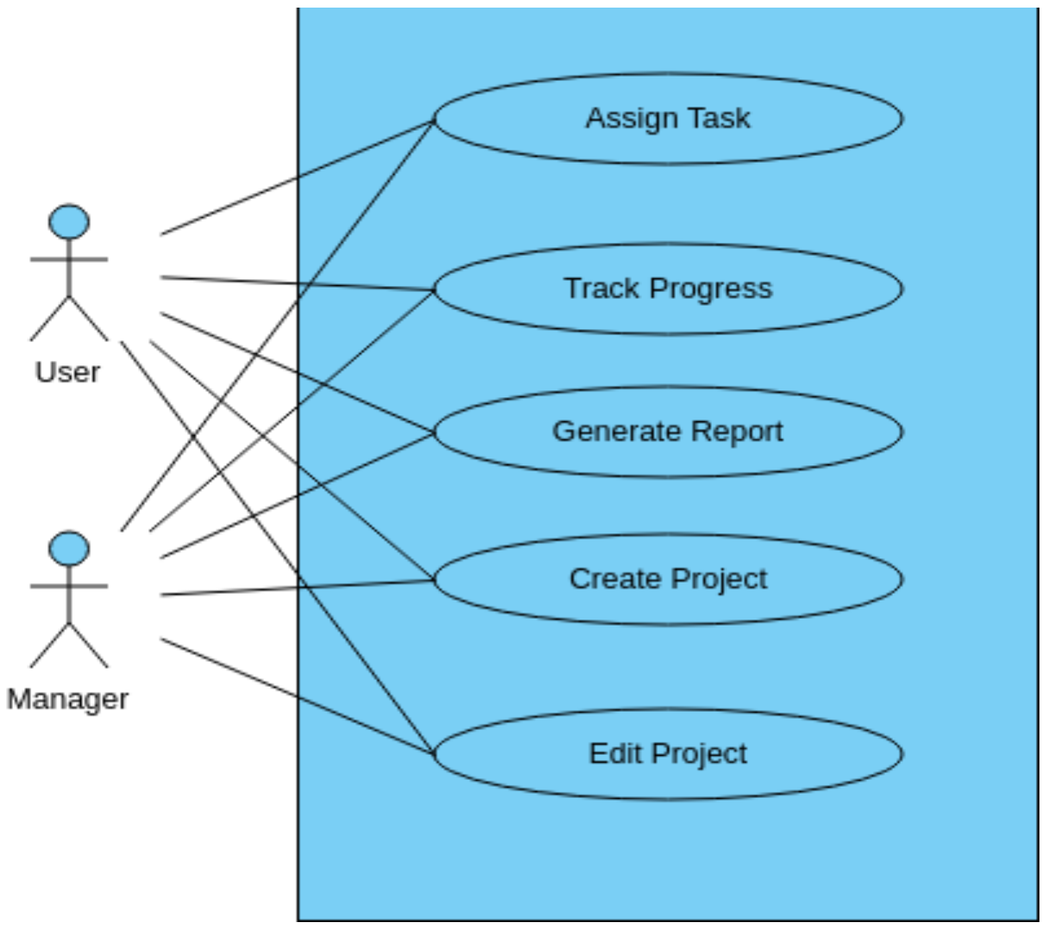
c. Software

- Any web Browser and
- Wamp Server

d. Database

- MySQL for data storage

USE-CASE DIAGRAM:



5. TIMELINE OF THE PROJECT/ PROJECT EXECUTION PLAN

- **Review 0 –** Title finalization with supervisor, Literature survey, Finalizing the objectives and deciding the methodology**.**
- **Review 1 –** Title, Abstract, Literature survey, Research paper, objectives, existing method-drawbacks, proposed method, Architecture diagram, modules, hardware and software details, timeline by Gantt chart and submitting the hardcopy of report.
- **Review 2 –** Algorithm details, source code and implementation details with live demo of project with 50% report softcopy to be submitted.
- **Review 3 –** Algorithm details, source code and implementation details with live demo of project with 50% report softcopy to be submitted.
- **Review 4 –** Final report and submission of project.

6. OUTCOMES

- Identification of Time Wasters.
- Efficiency Improvements.
- Time Allocation Insights.
- Productivity Metrics.
- Reallocating resources.
- Benchmarking: Comparing productivity metrics to industry standards

7. CONCLUSION

- In conclusion, time and productivity analysis is a fundamental component of organizational success. By implementing effective analysis methods, organizations can improve efficiency, optimize resource allocation, and drive performance.
- Key takeaways from this project include the importance of data-driven decision making, the role of technology in shaping the future of analysis, and the actionable recommendations for organizations to enhance their productivity. By applying these insights, organizations can unlock their full potential and achieve their goals effectively.

8.REFERENCES

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