

A Project On Schedule Managing System

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Abstract- *In the fast-paced environment of small organizations, efficient task management is crucial for productivity and success. This paper presents the design and implementation of a Java-based schedule Management System (TMS) tailored specifically for the needs of small businesses. The system offers a user- friendly interface for task creation, assignment, tracking, and prioritization. Utilizing Java's robustness and versatility, the schedule management system integrates features such as user authentication, task categorization, deadline setting, and progress monitoring. Additionally, it incorporates functionalities for communication, including real-time notifications and collaboration tools, fostering teamwork and accountability. The system's modular architecture allows for scalability and customization, making it adaptable to the evolving needs of small organizations. Through rigorous testing and user feedback, the schedule management system demonstrates improved task efficiency, streamlined workflow, and enhanced organizational productivity, thereby serving as a valuable asset for small businesses striving for excellence in task management.*

I. INTRODUCTION

In the fast-paced world of business, effective Schedule Manager is paramount to ensuring productivity and seamless collaboration among employees. To cater to this essential need, our proposed Schedule Manager system aims to provide a robust platform built with Java for backend functionality and HTML/CSS for an intuitive user interface. This system seeks to streamline task allocation, tracking, and reporting within an organization, offering features such as admin login, employee registration, task scheduling, employee login, task viewing, and task status updates.

In the existing system, there is a fundamental structure in place that facilitates task management. Admins wield the power to create and manage employee accounts, while employees can access the system through their company-issued usernames, emails, and passwords. Admins can assign tasks to specific employees and set deadlines for completion. Employees can then log in to view their assigned tasks and upload the status of their work at the end of the day. This process, however, can be labor intensive and lacks certain

functionalities that could enhance efficiency and user experience.

The proposed system will introduce a user- friendly interface that caters to both admin and employee needs. The system will provide a centralized dashboard where admins can efficiently manage user accounts, assign tasks, and monitor progress. Employees will receive notifications for task assignments and deadlines, ensuring timely completion. Moreover, employees will have the ability to update task status multiple times during the day, enabling better tracking of ongoing work.

By developing this advanced Schedule Manager system, we aim to enhance the overall efficiency and productivity of businesses by providing an organized, user-centric platform that simplifies task allocation, monitoring, and reporting. This system strives to bridge the gap between task assignment and completion, empowering employees and fostering seamless collaboration across the organization.

II. EXISTING SYSTEM

The existing Schedule Manager system provides a foundation for overseeing tasks within an organization. Admins wield control over user accounts and task assignment, while employees can log in using their company-issued credentials to view and submit task status updates. However, this system lacks automation and real-time tracking capabilities, which can hinder efficiency and productivity. Employee registration relies on admin intervention, which can be time- consuming, while the absence of notifications or alerts increases the risk of missed deadlines. Additionally, the inability for employees to update task status throughout the day limits the accuracy of progress tracking. The user interface lacks a comprehensive dashboard, making it challenging for both admins and employees to gain a holistic overview of task allocation and completion.

The existing Schedule Manager system exhibits several limitations that impede seamless task allocation and tracking. Admins are burdened with manual employee registration, slowing down onboarding processes. The lack of real-time task status updates prevents timely intervention or

adjustment of project timelines. The absence of notifications or alerts exacerbates the likelihood of tasks being overlooked or delayed. The absence of a centralized dashboard leaves users without a clear, consolidated view of tasks and their progress. This fragmented approach hampers efficient management and collaboration within the organization. As a result, there is a pressing need for an upgraded Schedule Manager system that automates processes, offers real-time updates, and provides a user-friendly interface to optimize task allocation and monitoring.

Key issues

- Understanding the challenges faced by employees and administrators in the current Schedule Manager system is crucial.
- Admins find themselves burdened with manual employee registration, which can be time-consuming.
- Employees struggle with limited task status updates, hindering their ability to reflect real-time progress.
- The absence of notifications leads to missed deadlines, affecting motivation and productivity.
- Admins and employees both lack a comprehensive dashboard, making it difficult to gain a clear overview of tasks and their status.
- Recognizing these main points underscores the importance of developing a new system that automates processes, introduces real-time tracking, and provides an intuitive interface.
- By addressing these challenges, the proposed system aims to create a more efficient and user-centric Schedule Manager solution that enhances collaboration and productivity.

Scope & Objectives

In today's fast-paced business landscape, the effective management of schedules is paramount for the success of small organizations. A schedule management system provides a structured approach to organizing tasks, appointments, and deadlines, thereby streamlining operations and maximizing productivity. This essay explores the scope of schedule management systems for small organizations, highlighting their benefits, implementation challenges, and potential solutions.

First and foremost, schedule management systems offer small organizations a centralized platform to coordinate activities and allocate resources efficiently. By digitizing schedules and calendars, these systems enable seamless communication and collaboration among team members, irrespective of their geographical locations. This accessibility

fosters better coordination, reduces the likelihood of scheduling conflicts, and enhances overall workflow efficiency.

Moreover, schedule management systems empower small organizations to prioritize tasks effectively and allocate time resources judiciously. Through features such as task prioritization, deadline reminders, and time tracking, these systems enable employees to focus on high-impact activities and meet project milestones in a timely manner. This not only enhances individual productivity but also contributes to the achievement of organizational goals.

Furthermore, schedule management systems facilitate data-driven decision-making by providing real-time insights into resource utilization and project progress. By generating reports and analytics on key performance indicators such as task completion rates, time spent on activities, and project milestones achieved, these systems empower small organizations to identify bottlenecks, optimize workflows, and allocate resources more effectively.

However, despite their numerous benefits, the implementation of schedule management systems in small organizations may pose certain challenges. Limited financial resources, lack of technical expertise, and resistance to change are common obstacles that small businesses may encounter during the adoption process. To address these challenges, small organizations can explore cost-effective solutions such as cloud-based schedule management platforms, invest in employee training and development programs, and foster a culture of innovation and adaptability within the organization.

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In conclusion, the scope of schedule management systems for small organizations is vast and encompasses various benefits, including enhanced productivity, better resource allocation, and improved decision-making. By leveraging these systems, small organizations can streamline operations, optimize workflows, and stay competitive in today's dynamic business environment. While implementation challenges may exist, proactive measures and strategic

investments can help small businesses overcome these obstacles and reap the full benefits of schedule management systems.

The objective of a Schedule Manager system is to streamline and optimize the organization, tracking, and completion of tasks within a project or team. It aims to enhance productivity, improve communication, and prioritize activities efficiently. The system's scope encompasses task creation, assignment, deadline setting, progress monitoring, and reporting, ensuring seamless collaboration and resource allocation. By providing a centralized platform, it enables effective delegation, minimizes delays, and enhances overall project management, leading to successful outcomes and increased team productivity.

The objective of a schedule management system for a small organization is to efficiently plan, organize, and coordinate tasks, appointments, deadlines, and resources to optimize productivity, ensure timely completion of projects, and minimize conflicts and overlaps in schedules. It helps streamline communication among team members and enables effective allocation of time and resources to achieve business goals.

III. SOFTWARE REQUIREMENT

The system will be developed using Java for backend functionality and HTML/CSS for the user interface. The software will include several key features, including an admin login portal, employee registration managed by the admin, task scheduling, employee login functionality, task viewing, and task status upload.

For the admin component, an authentication mechanism will allow authorized personnel to access the system. Admins will be able to register employees by providing necessary details and credentials. The task scheduling module will enable admins to assign tasks to specific employees with deadlines and descriptions. On the employee side, a login page will require employees to enter their company username, email, and password to access the system. Once logged in, employees can view their assigned tasks, complete with details and deadlines. At the end of the day, employees can upload task status updates, which will serve as progress reports.

To achieve these functionalities, the software will require Java programming for backend logic, such as user authentication, task assignment, and status uploading. HTML and CSS will be used to design a user-friendly interface for

both admin and employee interactions. The system will rely on a database to store user credentials, task details, and status updates, ensuring data accuracy and retrieval. Overall, this project will empower companies to efficiently manage task distribution and monitoring, promoting enhanced productivity and communication among team member

System Requirements

JAVA:

Java is a multi-platform, object-oriented, and network-centric language that can be used as a platform in itself. It is a fast, secure, reliable programming language for coding everything from mobile apps and enterprise software to big data applications and server-side technologies.

CSS & HTML:

CSS, which stands for Cascading Style Sheets, is a styling language used to describe the presentation of a document written in HTML or XML (including XML dialects such as SVG or XHTML). It's not a programming language in the traditional sense, as it doesn't have variables, loops, or conditionals. Instead, CSS defines how HTML elements are displayed on a screen, paper, or other media. It controls layout, colors, fonts, and other visual aspects of web pages, allowing web designers to create visually engaging and consistent designs across different devices and screen sizes.

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System Integration

For a small organization, you'll want a system integration solution that is efficient, cost-effective, and easy to maintain. Consider using APIs (Application Programming Interfaces) to integrate different systems seamlessly. You can integrate calendar APIs like Google Calendar or Microsoft Outlook Calendar with your existing schedule management system to synchronize appointments, tasks, and events. Additionally, you could utilize project management tools like Trello, Asana, or Monday.com, integrating them with your schedule management system to streamline task allocation and

tracking. This approach ensures a cohesive workflow and improved productivity for your organization.

System integration and testing for a schedule management system in a small organization would involve ensuring that the system seamlessly integrates with existing tools and software used by the organization, such as calendar applications, project management software, or communication platforms. Testing would include verifying data consistency across integrated systems, testing automated data sync processes, and ensuring that the schedule management system behaves correctly within the organization's ecosystem. Additionally, testing would cover scenarios like user authentication across integrated systems and the reliability of data exchanges.

Functionality Testing: Ensuring all features work as intended, such as creating, editing, and deleting schedules, as well as setting reminders and notifications.

Usability Testing: Checking the system's ease of use for different types of users within the organization.

Performance Testing: Assessing the system's response time and scalability, especially during peak usage periods.

Compatibility Testing: Verifying the system works across different devices and browsers commonly used by employees.

Security Testing: Ensuring the system protects sensitive schedule information from unauthorized access or manipulation.

Integration Testing: Testing how well the schedule management system integrates with other existing systems used by the organization, such as HR or payroll systems.

Regression Testing: Confirming that new updates or changes to the system do not negatively impact existing functionality. These types of testing help ensure the reliability, usability, and security of the schedule management system for a small organization.

IV. IDEATE

- **Task Status Update Mechanism:** Creating a mechanism for employees to upload task status updates, allowing for easy communication of progress and completion.
- **Continuous Improvement:** Planning for future enhancements, considering user feedback and changing requirements to keep the system up-to-date and relevant.

- **Employee Interaction:** Designing a clear dashboard for employees to view assigned tasks and upload task status updates and Prioritizing simplicity and clarity in presenting task-related information.
- **Admin Control:** Developing admin-specific functionalities for registering employees, assigning tasks, and overseeing the system and Ensuring proper validation and security measures for admin actions.
- **Secure Authentication:** Implementing secure authentication mechanisms for both admin and employee logins, employing encryption and secure storage of passwords to protect user data..

Proposed system

The proposed Schedule Manager system is a comprehensive web application developed using Java for the backend and HTML/CSS for the user interface. It encompasses key features including admin authentication, employee registration by the admin, task scheduling, employee login, task viewing, and task status updates. Administrators are granted access to the system through secure login credentials, enabling them to manage employee accounts and assign tasks. Employees can register via the admin, after which they can log in to access their tasks. The system allows administrators to schedule tasks by assigning them to specific employees with due dates and priorities. Employees can then log in to view their tasks and upload task status updates, fostering effective communication between employees and administrators. The integration of a secure database ensures data integrity, while error handling and responsive design enhance user experience. The system aims to streamline Schedule Manager processes, promote collaboration, and improve overall organizational efficiency. To manage schedules for a small organization using Java, you could follow these steps:

Requirements Gathering: Understand the organization's scheduling needs, such as event scheduling, employee shifts, or task assignments,, meetings, deadlines, etc.

Design Database Schema: Design a database schema to store schedule-related data, including tables for events, employees, shifts, etc.

Develop Backend Logic: Write Java code to handle schedule creation, modification, and deletion. This involves implementing CRUD (Create, Read, Update, Delete) operations for the database tables.

Implement Business Logic: Define rules and constraints for scheduling, such as maximum work hours for employees, overlapping events, etc.

User Interface Development: Create a user interface (UI) using JavaFX or another GUI framework to allow users to interact with the scheduling system.

Integration Testing: Test the system to ensure that it functions correctly and meets the organization's requirements.

Deployment: Deploy the scheduling system to the organization's servers or cloud infrastructure.

Maintenance and Support: Provide ongoing maintenance and support for the scheduling system, including bug fixes and updates as needed.

Backend Development with Java: Use Java to develop the backend logic for handling CRUD operations (Create, Read, Update, Delete) on schedule data. Use frameworks like Spring Boot for faster development.

Frontend Development with HTML/CSS: Develop a user-friendly interface using HTML and CSS. Consider using frameworks like Bootstrap for responsive design.

Integration: Connect the frontend and backend using RESTful APIs to fetch and update schedule data.

Authentication and Authorization: Implement user authentication and authorization mechanisms to ensure only authorized users can access and modify schedules.

Schedule Display: Develop views to display schedules in different formats (e.g., daily, weekly, monthly) based on user preferences.

Notifications: Implement email or SMS notifications for upcoming events or changes in the schedule.

Testing: Thoroughly test the application to ensure it functions correctly across different browsers and devices.

Deployment: Deploy the application on a web server, ensuring security measures are in place to protect sensitive data.

Maintenance and Updates: Regularly update and maintain the application to fix bugs, add new features, and improve performance based on user feedback.

Throughout the development process, make sure to follow best practices for software engineering, such as modular design, code reusability, and documentation. Additionally,

consider incorporating features like notifications, reporting, and integration with other systems (e.g., HR or payroll).

Advantages

Implementing a schedule management system in a small organization offers several advantages:

Efficient Time Management: Helps in scheduling tasks, appointments, and deadlines, ensuring optimal use of time and resources.

Improved Productivity: Streamlines workflow by assigning tasks, tracking progress, and avoiding conflicts in scheduling.

Enhanced Communication: Facilitates communication among team members regarding schedules, deadlines, and project updates.

Resource Allocation: Enables better allocation of resources by providing visibility into employee availability and workload.

Reduced Errors: Minimizes scheduling errors such as double bookings or missed appointments, leading to smoother operations.

Cost Savings: Optimizes resource utilization, potentially reducing overtime costs and increasing efficiency.

Better Customer Service: Ensures timely delivery of services or products, enhancing customer satisfaction and loyalty.

Data Analysis: Provides insights through data analysis, helping in identifying bottlenecks, trends, and areas for improvement.

schedule management system offers numerous advantages for small organizations, streamlining operations, enhancing productivity, and improving overall efficiency.

Firstly, such a system facilitates better organization and coordination of tasks. By providing a centralized platform for scheduling, employees can easily view their assignments, deadlines, and priorities, reducing confusion and ensuring everyone is on the same page.

Secondly, schedule management systems enable efficient resource allocation. Small organizations often have limited resources, so optimizing their usage is crucial. With a schedule management system, managers can allocate tasks based on employee availability, skills, and workload,

maximizing productivity without overburdening any individual.

Thirdly, these systems enhance communication and collaboration among team members. Through shared calendars, real-time updates, and notifications, employees can easily coordinate schedules, share progress, and communicate any changes or updates, fostering a more cohesive and productive work environment.

Moreover, schedule management systems facilitate better time management. By providing clear visibility into upcoming tasks and deadlines, employees can prioritize their work effectively, reducing procrastination and ensuring timely completion of projects.

Additionally, these systems often come with reporting and analytics features, allowing managers to track employee performance, identify bottlenecks, and make data-driven decisions to optimize workflow and productivity further.

In conclusion, a schedule management system offers numerous benefits for small organizations, ranging from improved organization and coordination to enhanced productivity and cost savings. By leveraging such a system, small businesses can effectively manage their resources, streamline operations, and achieve their goals more efficiently in today's competitive business environment.

V. RESULTS & SCREENSHOTS

Inputs

```

package com.Controller;

import java.io.IOException;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import java.util.ArrayList;
import java.util.Arrays;

import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class Au_Registration
 */
public class Au_Registration extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException,
    IOException {
        // TODO Auto-generated method stub
    }
}
    
```

Input fig.1

```

String projectName=get("projectName");
String gender=get("gender");
String email=get("email");
String mobile=get("mobile");
String address=get("address");
String login=get("login");
String password=get("password");
String confirmPassword=get("confirmPassword");

Connection connection=conn.getConnection();

String query="insert into user values(?, ?, ?, ?, ?)";

PreparedStatement preparedStatement=connection.prepareStatement(query);

preparedStatement.setString(1, projectName);
preparedStatement.setString(2, gender);
preparedStatement.setString(3, email);
preparedStatement.setString(4, mobile);
preparedStatement.setString(5, address);

int rowsAffected=preparedStatement.executeUpdate();

if(rowsAffected>0){
    System.out.println("User registered successfully");
} else {
    System.out.println("User registration failed");
}
    
```

Input fig.2

Furthermore, schedule management systems can improve customer satisfaction. By ensuring timely delivery of products or services and effectively managing client appointments or commitments, organizations can enhance their reputation and build trust with customers.

Finally, implementing a schedule management system can lead to cost savings. By streamlining processes, reducing errors, and increasing productivity, organizations can lower operational costs and allocate resources more efficiently, ultimately improving their bottom line.

Outputs



Output fig.1



Output fig.2

VI. CONCLUSION

The modular design, secure authentication mechanisms, and comprehensive database management ensure data integrity and system reliability.

By successfully implementing this project, the organization gains an effective tool to optimize task allocation, monitor progress, and facilitate seamless interactions among team members. As a result, the proposed task management system contributes to improved productivity, transparency, and coordination, thereby benefiting the organization as a whole.

Implementing a Schedule Management System for Small Organizations

In today's fast-paced business environment, effective time management is crucial for the success of any organization, regardless of its size. Small organizations, in particular, face unique challenges when it comes to managing schedules efficiently. However, by implementing a comprehensive Schedule Management System (SMS), these challenges can be effectively addressed, leading to increased productivity, improved resource allocation, and enhanced overall performance.

One of the key benefits of implementing an SMS is the ability to streamline scheduling processes. By centralizing all scheduling activities into a single system, small organizations can eliminate the inefficiencies associated with manual scheduling methods such as spreadsheets, paper-based calendars, or emails. This not only saves time but also reduces the likelihood of errors and conflicts, resulting in smoother operations and better coordination among team members.

Moreover, an SMS provides small organizations with greater visibility and control over their schedules. With features such as real-time updates, automated notifications, and customizable dashboards, managers can easily monitor and track the progress of ongoing projects, allocate resources more effectively, and make informed decisions to optimize scheduling outcomes. This level of transparency not only fosters accountability but also empowers employees to take ownership of their schedules and contribute to the overall success of the organization.

Additionally, an SMS enables small organizations to adapt more quickly to changing circumstances and unexpected disruptions. By having access to up-to-date information and the ability to quickly reassign tasks or reschedule

appointments, managers can mitigate the impact of unforeseen events such as client cancellations, employee absences, or last-minute changes in project requirements. This flexibility is essential for maintaining productivity and meeting deadlines in today's dynamic business environment.

Furthermore, an SMS can help small organizations improve customer satisfaction and loyalty. By providing clients with convenient access to online booking portals, appointment reminders, and self-service options, organizations can enhance the overall customer experience and build stronger relationships with their client base. Moreover, by reducing wait times, minimizing scheduling errors, and ensuring timely service delivery, small organizations can differentiate themselves from competitors and position themselves as reliable and trustworthy partners in the eyes of their customers.

In conclusion, implementing a Schedule Management System offers numerous benefits for small organizations looking to optimize their scheduling processes and improve overall efficiency. By streamlining scheduling workflows, increasing visibility and control, enabling quick adaptation to changes, and enhancing customer satisfaction, an SMS can help small organizations achieve their business objectives more effectively and compete more successfully in today's competitive marketplace. While the initial investment and implementation may require time and resources, the long-term benefits far outweigh the costs, making an SMS a valuable investment for any small organization looking to thrive in the digital age.

With the right SMS in place, small organizations can unlock their full potential, maximize productivity, and achieve sustainable growth in an increasingly competitive business landscape. As technology continues to evolve and new innovations emerge, small organizations must embrace digital solutions such as SMS to stay ahead of the curve and position themselves for long-term success. By investing in the right tools and leveraging the power of scheduling automation, small organizations can create a more agile, efficient, and customer-centric organization that is well-equipped to navigate the challenges of today's rapidly changing business environment.

VII. FUTURE SCOPE

Introduction:

In an era defined by technological advancement, small organizations face the daunting challenge of maximizing productivity with limited resources. Schedule management

systems emerge as indispensable tools, offering efficiency, organization, and adaptability. Looking ahead, the future scope of these systems for small organizations is promising, marked by advancements in artificial intelligence, automation, and customization.

Artificial Intelligence Integration:

The integration of artificial intelligence (AI) holds immense potential for revolutionizing schedule management systems. AI algorithms can analyze historical data, employee preferences, and external factors to generate optimized schedules. Predictive analytics can forecast demand fluctuations, enabling proactive adjustments to staffing levels and resource allocation. Moreover, AI-powered chatbots can provide real-time assistance, simplifying communication and troubleshooting for employees and managers alike.

Automation and Streamlining Processes:

Automation is poised to streamline scheduling processes, minimizing manual intervention and human error. Advanced scheduling algorithms can automatically assign tasks based on employee skills, availability, and workload, reducing administrative burden and optimizing resource utilization. Integration with other organizational systems, such as payroll and CRM platforms, ensures seamless data flow and synchronization, eliminating duplicate entries and inconsistencies.

Customization for Diverse Needs:

Small organizations operate in diverse industries with unique scheduling requirements. The future scope of schedule management systems lies in their ability to offer customization options tailored to specific needs. Modular architecture allows organizations to select features and functionalities relevant to their operations, ensuring scalability and cost-effectiveness. Flexible configuration settings empower managers to accommodate varying shift patterns, time-off requests, and compliance regulations, fostering employee satisfaction and regulatory compliance.

Mobile Accessibility and Remote Work Support:

The proliferation of mobile devices and the rise of remote work underscore the importance of mobile accessibility in schedule management systems. Future solutions will prioritize mobile-friendly interfaces, enabling employees to access schedules, request time off, and swap shifts conveniently from their smartphones. Seamless integration with collaboration tools and video conferencing

platforms facilitates communication and coordination among remote teams, promoting productivity and cohesion across distributed work environments.

Data-driven Decision Making:

The future of schedule management systems hinges on data-driven decision-making capabilities. Advanced analytics dashboards provide actionable insights into key performance metrics, such as labor costs, productivity trends, and compliance adherence. Machine learning algorithms can identify patterns and anomalies, enabling managers to anticipate scheduling bottlenecks, mitigate risks, and optimize workforce planning strategies for long-term success.

Conclusion:

In conclusion, the future scope of schedule management systems for small organizations is characterized by innovation, adaptability, and user-centric design. Artificial intelligence, automation, customization, mobile accessibility, and data-driven decision-making will drive the evolution of these systems, empowering organizations to optimize productivity, enhance employee satisfaction, and achieve sustainable growth in an increasingly competitive landscape. Embracing these technological advancements will position small organizations at the forefront of efficiency and effectiveness in schedule management.

REFERENCES

- [1] Android Studio 2 Development Essentials, Book by Neil Smyth. PHP and MySQL Web Development, Book by Luke Welling, 2001
- [2] D. A. Hillson, "Using a Risk Breakdown Structure in project management". Journal Of Facilities Management, vol. 2, no. 1, pp.85-97, 2013.
- [3] D. A. Hillson, "Using a Risk Breakdown Structure in project management", Journal Of Facilities Management, vol. 2, no. 1, pp. 85-97, 2013.
- [4] S. McKenna, "Organisational Complexity and Perceptions of Task", Task
- [5] Management: An International Journal, vol. 3, no. 2, pp. 53-64, 2013
- [6] A. Aleshin. "Time and Risk Management of International Projects". International Journal of Project Management, no. 19, pp. 207-222,2014
- [7] J. Ellis, L. Kvavilashvili, "Prioritization of tasks in 2000: Past present and future directions". Task Management, vol. 14, pp.1-9, 2000.
- [8] Drake Baer, "Dwight Eisenhower Nailed A Major Insight About Productivity"