



School of Computing

SRM IST, Kattankulathur – 603203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	5
Title of Experiment	Prepare Work breakdown structure, Timeline chart, Risk identification table
Name of the candidate	PAPAI MONDAL(RA2111028010116)
Team Members	DHRUV DESHMUKH (RA2111028010125), ATHARVA SOHANI (RA2111028010105)
Register Number	RA2111028010116
Date of Experiment	20/03/2023

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

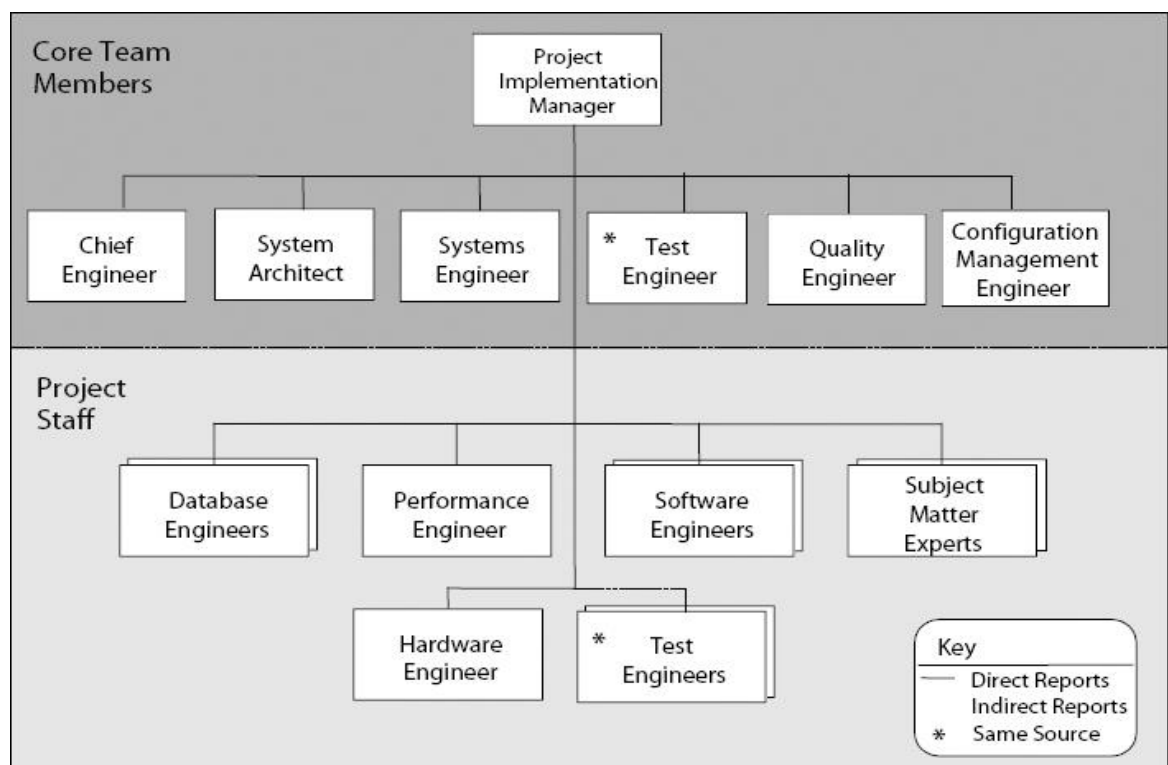
Aim

To Prepare Work breakdown structure, Timeline chart and Risk identification table

Team Members:

Sl No	Register No	Name	Role
1	RA2111028010125	DHRUV DESHMUKH	Rep
2	RA2111028010116	PAPAI MONDAL	Member
3	RA2111028010105	ATHARVA SOHANI	Member

WBS –



- ▶ 0.0 Retail Web Site
- ▶ 1.0 Project Management
- ▶ 2.0 Requirements Gathering
- ▶ 3.0 Analysis & Design
- ▶ 4.0 Site Software Development
 - 4.1 HTML Design and Creation
 - 4.2 Backend Software
 - 4.2.1 Database Implementation
 - 4.2.2 Middleware Development

- 4.2.3 Security Subsystems
- 4.2.4 Catalog Engine
- 4.2.5 Transaction Processing
- 4.3 Graphics and Interface
- 4.4 Content Creation
- ▶ 5.0 Testing and Production

TIMELINE – GANTT CHART:

ID	Activities	Start - Date	End Date	Dur.	Mar	Apr	May	Jun	July	Aug	Sep	Oct
1	Login	01/03/23	01/04/23	1-M								
2	Admin Portal	01/04/23	01/05/23	1-M								
3	User Portal	01/05/23	01/06/23	1-M								
4	Movies Portal	01/06/23	01/07/23	1-M								
5	Watchlist Portal	01/07/23	01/08/23	1-M								
6	Event and NewsPortal	01/08/23	01/09/23	1-M								
7	Testing	01/09/23	01/10/23	1-M								
8	Documentati-on	01/10/23	01/11/23	1-M								

M- Months

RISK ANALYSIS – SWOT & RMMM:

A SWOT analysis is a useful tool for evaluating a payroll system's Strengths, Weaknesses, Opportunities, and Threats.

Strengths: An OTT recommendation system can provide personalized content recommendations to users, based on their viewing history and preferences. This can help

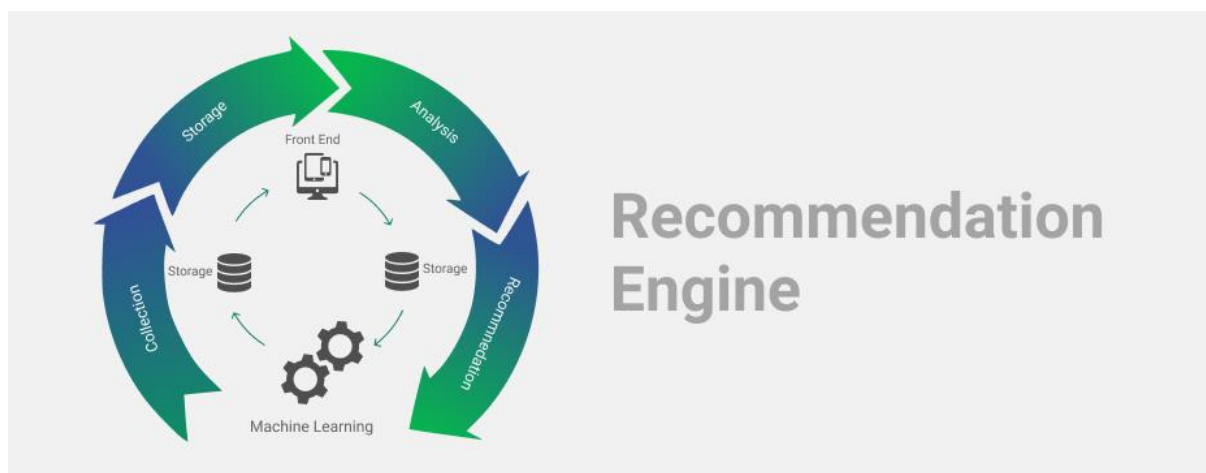
improve user engagement and satisfaction with the platform. Additionally, An OTT recommendation system can help users discover new and relevant content, enhancing their overall viewing experience.

Weaknesses: Recommendation systems can be vulnerable to errors and require regular updates and maintenance. Also, they can be expensive to implement and manage.

Opportunities: An OTT recommendation system can help improve user engagement with a platform by suggesting relevant content to users. This can lead to increased viewing time, more frequent use of the platform, and higher overall user satisfaction.

Threats: Hackers and other malicious actors can target OTT recommendation system, which can lead to data breaches and other security issues. Additionally, changes to tax laws and regulations can require costly system modifications.

By understanding a OTT recommendation system's SWOT, organizations can identify potential risks and opportunities, and develop strategies to address them



RMMM-

Risk mitigation-

- To ensure that a system is reliable and secure, risk management strategies must be employed.
- First, we identify risks associated with the recommendation system and take appropriate action to reduce those risks. This includes regular monitoring, testing, and updating the system. Additionally, security measures to protect the system from hackers must be implemented.

- We develop a contingency plan in the event of a system malfunction or breach. This plan should include steps to restore the system to working order and protect the personal data of employees.
- Finally, a system of regular audits and reviews should be established to ensure the recommendation system is functioning correctly and meeting all regulatory requirements. These reviews should be discussed with all stakeholders to ensure everyone is aware of the risks associated with the system.

Risk monitoring-

- By regularly monitoring the system, organizations can identify risks and take appropriate action to reduce or eliminate them.
- The first step is to create an inventory of the system's assets, including hardware, software, and personnel. This will allow for identification of potential risks, such as outdated software or lack of employee training.
- The second step is to develop and implement security protocols to protect the system from potential threats. This includes the use of firewalls and encryption to protect sensitive information from unauthorized access.
- The third step is to regularly review the system and its surrounding environment. This includes monitoring for system errors and performance issues, as well as assessing the external environment for changes in regulations or technology.
- Finally, organizations should develop a response plan in the event of a system breach or malfunction. This plan should include steps to restore the system and protect employee data.
- By taking these steps, organizations can ensure the security of their payroll management system and protect the privacy of their employees.

Risk management-

By implementing an effective risk management strategy, organizations can identify and mitigate potential risks, ensuring the security and reliability of the system.


The first step is to conduct a risk assessment to identify potential risks and their impacts. This includes analysing the system's hardware, software, and personnel, as well as assessing the external environment for changes in regulations or technology.

The second step is to develop and implement security protocols to protect the system from potential threats. This includes the use of firewalls and encryption to protect sensitive information from unauthorized access.

The third step is to create a response plan in the event of a system breach or malfunction. This plan should include steps to restore the system and protect employee data.

Finally, organizations should regularly review and update the system and its surrounding environment. This ensures the system is up-to-date and secure.

By taking these steps, organizations can ensure the security of their payroll management system and protect the privacy of their employees.



Risk Management Framework- Risks And Mitigation ...		
Response	Strategy	Examples
Avoid	Risk avoidance is a strategy where the project team takes action to remove the threat of the risk or protect from the impact	<ul style="list-style-type: none">• Extending the schedule• Reducing/removing scope• Change the execution strategy
Transfer	Risk transference involves shifting or transferring the risk threat and impact to a third party. Rather transfer the responsibility and ownership	<ul style="list-style-type: none">• Purchasing insurance• Performance bonds• Warranties• Contract issuance (lump sum)
Mitigate	Risk mitigation is a strategy where the project team takes an action to reduce the probability of the risk occurring. This does not risk or potential impact, but rather reduces the likelihood of it becoming real.	<ul style="list-style-type: none">• Increasing testing• Changing suppliers to a more stable one• Reducing process complexity
Accept	Risk acceptance means the team acknowledges the risk and its potential impact, but decides not to take any preemptive action to prevent it. It is dealt with only if it occurs.	<ul style="list-style-type: none">• Contingency reserve budgets• Management schedule float• Event contingency

Slide 1 of 5

Result:

Thus, the work breakdown structure with timeline chart and risk table were formulated successfully for the OTT recommendation system.