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Practical No: - 9

Aim: Preparation of Risk Mitigation, Monitoring and Management Plan (RMMM).

Title: - Active Chat Monitoring and Suspicious chat detection over internet.

Lab Outcome: - CSL501.3 Use computer-aided software engineering (CASE) tools.

Theory: -

RMMM Plan: -

A risk management technique is usually seen in the software Project plan. This can be divided into Risk Mitigation, Monitoring, and Management Plan (RMMM). In this plan, all works are done as part of risk analysis. As part of the overall project plan project manager generally uses this RMMM plan.

In some software teams, risk is documented with the help of a Risk Information Sheet (RIS). This RIS is controlled by using a database system for easier management of information i.e creation, priority ordering, searching, and other analysis. After documentation of RMMM and start of a project, risk mitigation and monitoring steps will start.

Risk Mitigation: -

It is an activity used to avoid problems (Risk Avoidance).

Steps for mitigating the risks as follows.

Finding out the risk.

Removing causes that are the reason for risk creation.

Controlling the corresponding documents from time to time.

Conducting timely reviews to speed up the work.

Risk Monitoring: -

It is an activity used for project tracking.

It has the following primary objectives as follows.

To check if predicted risks occur or not.

To ensure proper application of risk aversion steps defined for risk.

To collect data for future risk analysis.

To allocate what problems are caused by which risks throughout the project.

Risk Management and planning :

It assumes that the mitigation activity failed and the risk is a reality. This task is done by Project manager when risk becomes reality and causes severe problems. If the project manager effectively uses project mitigation to remove risks successfully then it is easier to manage the risks. This shows that the response that will be taken for each risk by a manager. The main objective of the risk management plan is the risk register. This risk register describes and focuses on the predicted threats to a software project.

Output: -

RISK INFORMATION SHEET			
RISK ID: R-01	DATE: 20/8/2022	PROBABILITY:40%	IMPACT: CATASTROPHIC
<p>RISK DESCRIPTION:</p> <p>Member Risk: The risk will cause due to unskilled group members in the group</p>			
<p>REFINEMENT/CONTEXT:</p> <p>Sub-condition 1: t. If the team members are not experience enough to use the application necessary to develop the software it will keep pushing the development dates until it's too late to save the project.</p> <p>Sub-condition 2: t. If one or more members of the software development team are not putting in all the effort required to finish the project it will cause the project to fail. .</p>			
<p>MITIGATION/MONITORING:</p> <p>This risk concerns the knowledge and of the employees and their willingness to help make the project succeed. As mitigation step of this risk we will make sure that some one in all of the project development phases knows exactly what to do and the tools to use to achieve the goals. If the employees that have little knowledge in the main software implementation language fails to learn it, it may cause big problems when coding part begins.</p>			
<p>MANAGEMENT / CONTINGENCY PLAN / TRIGGER:</p> <p>. Monitoring and managing of this risk will include looking out for each other, that is if some team-member is having difficulties in performing some tasks or using particular tool or technique other members of that team will help him out. This is where team members may have to spend little time with each learning or teaching what others know. If team member lacks ability to use certain programming language or application, other team members will take some time off to teach the team member basics related to that application.</p>			

CURRENT STATUS: Mitigation step initiated	
<u>ORIGINATOR:</u> Kshitij Sonawane Pramod Virkar	<u>ASSIGNED:</u> Sanket Singh

RISK INFORMATION SHEET			
RISK ID: R-02	DATE: 20/8/2022	PROBABILITY: 35%	IMPACT: CATASTROPHIC
RISK DESCRIPTION: Process risk involves risks regarding product quality. If the product developed does not meet the standards set by the customer or the development team it is a failure.			
REFINEMENT/CONTEXT: Sub-condition 1: This can happen because of the customer's failure to describe the true business need or the failure of the software development team to understand the project and then to use proper equipment and employees to finish the project.			
MITIGATION/MONITORING: We want quality of the product to be as high as possible. To achieve this we will set up guidelines to be followed for each of the team members during all the phases of the software development cycle. The standard will be set and defined for all of the software development. This will help the team in delivering the high quality product thus increasing our reputation in the market. This will help bring in more clients in the future. It will also save customer from getting low quality product. For example, palm size PC checklists are easy to get used too. If inspector can not get used to the forms in the PC they may go back to using pen and paper which is not good for the reputation of the team.			
MANAGEMENT / CONTINGENCY PLAN / TRIGGER: To monitor the risk here we will review each other's work to find the problems and to help each other in achieving better product quality. We will also have the general guidelines set for all of the work to be carried on for the software development. Software development team will constantly check each others work; will compare it with the set guidelines, and will inform a team member who is failing to participate in following the guidelines.			
CURRENT STATUS: Mitigation step initiated			
<u>ORIGINATOR:</u> Kshitij Sonawane Pramod Virkar		<u>ASSIGNED:</u> Sanket Singh	

Conclusion: - Here, we able to implement the RMMM Plan.