Name - Glison Cercina Roll No - 9568 Div - TE Comps B Batch - A Assignment = 2

What is risk assessment in the context of Software projects and why it is essential? projects is the process of identifying, analyzing, and evaluating potential scishs or uncertainties that could impact the successful completion of a Software development project ii) This assessment helps project teams and stakeholders understand the potential challenges and make informed decisions to mitgate or manage these risks effectively. Software projects Early Rollen Identification- Pisk assessment allows project teams to identify patential issues at an early stage often diving project planning or even before development Desource Allocation: Understanding the risks associated with a project helps in allocating resources more effectively.

Cost control: unmanaged suisks can lead to project delays cost oversuns and scope changes. 2) stakeholder Communication: Fransparent rick assessment and management facilitate

Conmunication with Stakeholders. e) Contingency Clanning Through risk assessment, teams can develop contingency plans that specify how to respond to garious risk scenarios. management and its ride in ensuing project Solfier Software configuration Management (SCM) is a set of processes and tools used to systematically manage, control, and totack changes to a software projects
components and their relationships.

(Omponents and their relationships.

ii) Its primary role is to ensure the integrity
of a software system throughout its
the relationshout its
the delivory of a high-quality product.

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iii) Hows how SCM contributes to project a) Sousien Untrol: SCM System, like sousien which sousies (lg: 67 IT, SVN), enable the touching of changes made to source added to source added to source and other project artifacts.
b) Change Wanagement: SCM helps in quality: Untrolling and documenting changes to the

c) Caselining: SCM establishes a baseline, reference point for a software project Depliquention Identification: Schr Rel in identifying and labeling the sepecific configuration items (CIs) that make up the De Build and Release Management: SCM plays a brucial role in automating the build and release processes. How do formal technical reviews (FTR)
Contribute to onswing software quality and Dermal Technical Perious (FTR) also Known as Formal Inspections or Box Keriens, are Systematic and well-Southout processe improving the quality I software during its development. Il FTRS contribute to Enswing Software quality and reliability in Several a) Select Setection and Removal: FTRS are lowed on identifying defects, evols, and issues in the software.

b) Knowledge Shaving: FTRs provide an

opportunity for knowledge showing and colling among team members.
c) lasistency and standard Adhorence: FTRS help enforce toding and design standweds. d) Risk Identification: TTRS provide a platform for identifying and addeessing potential Prishs eddy in the development process.

C) Improved documentation; FTRS can lead to improved documentation Perioreas may identifying documentation gaps or ambiguities and request necessary updates: 04) Lesbuile the process of anducting a Solr: 1) A formal Walfthrough is a Systematic and Stouctured process for receiving and discussing a Software project, Such as a design tocument, cate, Se seguirements specifications, to identify issues imposse quality, and ensure that it meets its intended objectives. ii) Here is step-ley-step guide to conducting a formal walkthrough for a software project:

a) Oreparatur. · Select the Sociement; Determine which document orarifact needs to be reviewed. This could be a software delign, unde De any other project-related strument-· choose Reviewers! Ascemble a team of reviewed, including Subject matter Exports and relevant Stakeholders. Schedule the Meeting: Set a data and time for the formal walktrough meeting. Ensure · Distribute the Document: Shace the document with all reviewers in advance of the meeting to give them time to review and prepare their comments. b) Introduction: · Neeting Kickoff: At the leginning of the meeting, the moderator (often the author of the deturent) welcomes the practicipants and outlines the purpose and agenda of the Ichnong-· Author's Oversions: The author presents an points, goals, and content. The author should avoid just reading the actionent

relation but instead facus on providing & Saumenting Results: · Meeting Minutes: The outcomes of the formal walkthrough including the issues reached, should be documented in meeting minutes e) closure: · Meeting Conclusion: The moderator Concludes the meeting, expressing appreciation to the participants for their contributions.

Leedback Encourage participants to provide for ways to make it more effective and efficient for future reviews.

deslity when analyzing potential scishs in Estidering Software seel nalyzing potential Sential leecays factor that can Significant impact the success and original Of a Software project. reliability is important in risk and USer Satisfaction: Relia more likely to meet user expectations perform as intended. Enancial impact: Unreliable Software can lead to financial losses customer chown, tolly support maintenance, and lost business. maintenance and lost business is Can dissupt Itisiness operations, inceeased Support maintenance efforts Ime Selays! Unforeson reliability Bues e) Complex Delugging and Maintenance: Selistrility issues in software can be chall

and time - consuming-It often involves butersive delenging, retesting, and code refactoring