SF - Mile to 2 COMPS-B
SE-Assignment-2 9525 ESHANK BELE TE COMPS-B
1> Risk assessment in the content of software projects is process of identifying,
analysing & prioritizing potential risks & uncertainties that would of pect
the successful completion of a software development project. These risks
con change range from dechnical issues & research projects contrainsts to
charge in project requirements, market conditions & external factions.
The primary goal of risk assesment is to proactively manage of
nitigate these visks to ensure the projects objectives are met.
Tollowing are key reasons to why risk assessment is essential:
i) Early problem identification - spot problems before the escalate
ii> Efficient resource allocation - allocate resources effectively.
iii> Cost Control: identifying & managing risks can help control project iv> Schedule management - maintaining project. Timelines
v> Quality proper - address audity risks to ensure the line
v> Quality assurance - address quality visks to ensure the final product meets expectations.
vi> Reputation management - protect organisation's image & avoid
Jegal visues by managing risks.
vii > Stakeholder communication - keep clients, management & team informed
shoult potential challenge to set prophitic
about potertial challenges to set realistic
viii'> Increasing project success rate: projects that manage risks
effectively have a better chance of success.

27 Software configuration management (500) is a sot of practices &
process used to systematically, control, organise a track sharges
in enture projects its primary role is to ensure integrity, stability 4
quality of a software system throughout its development lifecycle.
quality of a software system throughout its development difecycle. New's how SCM contributes thacks & manages different various of software
I de con de la 1911 en travaire de vielt version
is Version control: Son tracks different versions, ansuring the right version
is used, reducing errors.
is though management: organize changes, ensuring through testing & documentation to prevent defects.
to prevent defects.
iii > Traceability: SCM links changes to specific requirements, enchange
in Inaccability: SCM links changes to specific requirements, enchanges enhancing, understanding & meeting project requirements. in Longiqueation management: it controls all software components, preventing
in Configuration management: it controls all 3oftware components, preventing
configuration - release error in each release.
vi Parallel development - Som allows multiple developers to work consumently
without conflicts maintaining rade quality.
vis submated build & deployment: integration with sen ensures consistent,
augus lun sathagen huilding & development
evror- free software building & development.
iii Backup & viecovery: Son provides backup & recovery mechanisms to
protect agent data loss.
iis Auditing: Trocks changes for auditing & regulatory compliance, crucial in regulated industries to ensure quality standards.
rucial in regulated industries to ensure quality standards.

3> Formal technical viewieus (FTR) are systematic, well structured processes
for rexicuing 8 evaluating various aspects of software development
such as veguironents, design, code & documentation. FTR. play a
crucial role in coswing software quality and reliability through
following mechanisms.
→ Knowledge sharing
-> Nompliance
- Requirement validation
- Rick miligation
→ Lonsistency
→ Quality improvement
-> Proces enhancement
47 A Jornal walkthrough in the scortest of a software project is a structured & systematic process for viewiewing & evaluating software artifacts. The primary goal is to identify issues, ensure quality & improve the overall project.
Structured & systematic process for viewiewing & evaluating software
artifacts. The primary goal is to identify issues, ensure quality &
improve the overall project.
Steps ara:
Preparation -> Scheduling -> Nonducting -> Resolution -> Documentation -
711
Feedback Moswie - Follow ups

5> donsidering software valiability is verical when analyzing
potential risks in a project for several reasons.
a) Wer expectations: reliable software, meets user expectations.
b) Business Impact: software failures can have significant phancial
implications.
d) Maisterance costs: Medicine los ter allegent organisation.
d) Maintenance nosts: reducing long-term support expenses
e) safety of suitical applications
1) Regulatory compliance
g) Date integrity
h) Market competition
i) Mustomer satisfaction
J) Pragiect Success: