

SE Assignment - 2

① Risk assessment in the context of software proj is the process of identifying analysing & prioritizing potential risks and uncertainties that could affect the successful completion of a software development proj. These risks can range from tech issues and resource constraints to changes in project req. market conditions and external factors. The primary goal of risk assessment is to proactively manage and mitigate these risks to ensure the projects objectives.

- ① Early problem identification
- ② Efficient Resource allocation
- ③ Cost control
- ④ Schedule management
- ⑤ Quality assurance
- ⑥ Reputation management
- ⑦ Stakeholder comm.
- ⑧ Increasing success rate

2) Software Configuration Management is a set of practices & processes used to systematically control, organise & track changes in software projects. Its primary role is to ensure the integrity, stability & quality of a software throughout its development lifecycle.

- ① Version control
- ② Change management
- ③ Traceability
- ④ Config management
- ⑤ Parallel dev
- ⑥ Automated Build & dep.
- ⑦ Backup and Recovery
- ⑧ Audit & Compliance

3) Formal Technical Reviews are systematic and well structured process for reviewing & evaluating various aspects of software dev. such as requirements, design, code & documentation.

- ① Error detection & prevention
- ② Knowledge Sharing
- ③ Compliance
- ④ Requirement
- ⑤ Risk Mitigation
- ⑥ Consistence
- ⑦ Quality
- ⑧ Enhanced process

4) A formal walkthrough in the context of software proj is a structured and systematic process for reviewing and evaluation software artifacts such as code, design, docs of req.

- ① Preparation
- ② Scheduling
- ③ Conducting
- ④ Resolution
- ⑤ Documentation
- ⑥ Follow-ups
- ⑦ Closure
- ⑧ Feedback

5) Considering software reliability is crucial when analysing potential risks in a proj

- ① User expectations
- ② Business impact
- ③ Reputation
- ④ Maintenance costs
- ⑤ Safety critical application
- ⑥ Regulatory compliance
- ⑦ Data Integrity
- ⑧ Market competition
- ⑨ ~~For~~ Customer satisfaction
- ⑩ Proj success