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Case Study: Managing Risks

Ques - Consider a scenario. Your organization is a vendor of software solutions. A bus transport company in the US wants you to develop a Schedule Adherence system. The team that will develop this software is new and the platform selected for development is also new to your organization. The project team needs to be trained intensively for this.

Name	**Risk Management Plan for Schedule Adherence System Development**
Purpose	To assess, mitigate, and manage risks associated with developing the Schedule Adherence system.

Summary	1. Identification of the Risk ● New platform and technology unfamiliarity. ● Handling large volumes of data. ● Performance requirements (less than 15 second response time). ● Data confidentiality. ● Anticipated requirement changes. 2. Estimate the impact of the Risk ● Project delays, performance issues, and potential security breaches. 3. Actions to mitigate the risk ● Intensive training, scalable data solutions, performance testing, and robust security protocols.

During this project, the team is expected to manage a large volume of data. The team has never had any experience in managing such a large volume of data. The system also needs to use this data to generate various MIS reports related to delays or adherence of bus services.

The performance requirement is less than fifteen seconds for all popular browsers. Your organization is anticipating numerous requirement changes during the development process. The system needs to be implemented across several states in the country. The data related to the system is highly confidential because it can provide an edge to the competitors.

Now, as a project manager, you need to prepare a risk management plan for this project. The project starts on May 15 and should be completed on November 15.

Ans -

Work Product	1. Input ● Project requirements, team training status, and technical documentation. 2. Output ● Risk Identification Report. ● Risk Mitigation Strategy. ● Risk Monitoring Schedule.
Entry Criteria	● Project initiation complete. ● Team training in progress. ● Defined performance and data handling requirements.

Basic Criteria for Events	**Potential Risks**: ● Inexperience with the new platform. ● Managing large datasets. ● Performance and security challenges. **Estimate the Impact**: ● Delays, rework, non-compliance with performance standards, security breaches. **Build the Risk Plan**: ● Assign owners, schedule reviews, implement solutions. ● Schedule regular risk reviews to track progress.
Exit Criteria	● Risks mitigated or accepted. ● Project meets performance and security goals. ● Final review confirms all risks are addressed.