**Department of Technical Education**

**Capstone project**

**Format- 2**

**Work Breakdown Structure**

**Capstone project Title**: **College Management System**

**Group Members:**

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**Risk Analysis:**

**Technical Risks:**

* **Data Security: Unauthorized access, data breaches, and system vulnerabilities could compromise sensitive student and staff information.**
* **System Integration: Challenges in integrating the College Management System with existing systems, leading to data inconsistencies and operational disruptions.**
* **System Availability: System outages and performance issues could disrupt critical college operations and impact student learning.**
* **Technology Obsolescence: Rapidly evolving technology may render the College Management System outdated and require costly upgrades.**

**Implementation Risks:**

* **Project Delays: Budget overruns, resource limitations, and technical challenges could delay implementation and impact operational timelines.**
* **User Resistance: Difficulty adapting to the new system and lack of proper training could lead to user resistance and decreased adoption.**
* **Change Management: Failure to manage the change process effectively could lead to employee dissatisfaction and productivity loss.**

**Data-Related Risks:**

* **Data Accuracy & Integrity: Inaccurate or incomplete data entry, system errors, and inadequate data migration practices could compromise data accuracy and reliability.**
* **Data Privacy: Improper data collection, storage, and usage practices could violate student and staff privacy rights and attract regulatory scrutiny.**
* **Data Loss & Recovery: Accidental data loss, system failures, and lack of robust data backup and recovery plans could lead to permanent data loss.**

**Financial & Resource Risks:**

* **Budget Overruns: Implementation costs exceeding initial estimates due to unforeseen challenges or changes in requirements.**
* **Resource Scarcity: Insufficient personnel or skills within the college to properly manage and maintain the College Management System.**
* **Vendor Dependence: Overreliance on external vendors for College Management System support and maintenance, leading to increased costs and vulnerability to price hikes.**

**Operational & Process Risks:**

* **Workflow Disruption: The new system disrupting existing workflows and operational processes, leading to inefficiency and confusion.**
* **Loss of Institutional Knowledge: System migration leading to the loss of historical data and institutional knowledge.**
* **Compliance Issues: Failure to comply with relevant data privacy and security regulations.**

**Stakeholder & Reputation Risks:**

* **Student & Staff Dissatisfaction: Negative user experience with the new system could damage student and staff morale and negatively impact the college's reputation.**
* **Negative Publicity: Data breaches, system outages, or privacy violations could lead to negative press coverage and damage the college's reputation.**
* **Reduced Enrollment: Negative perception of the College Management System could lead to decreased enrollment numbers and affect the college's financial stability.**

Date

Signature of the student

Signature of the cohort owner