

American International University-Bangladesh (AIUB)  
**Department of Computer Science  
Faculty of Science & Technology (FST)**

**Project Title:   
Integrated Application Usage Tracking & Parental Control System**

**Supervised by:**

TONNY SHEKHA KAR

A Software Engineering Project Submitted

By

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| **Semester: Summer\_23\_24** | | **Section: H** | **Group Number: 09** | |
| SN | Student Name | Student ID | Contribution (CO3+CO4) | **Individual Marks** |
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**Risk Management**

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| **Risk** | **Category** | **Probability** | **Impact** | **Mitigation Strategy** |
| Size estimate may be significantly low | PS (Project Size) | 60% | 2(Critical) | Perform a detailed analysis of requirements. |
| Large number of users than planned | PS (Project Size) | 35% | 3(Marginal) | Break down tasks for better estimation. |
| Less reuse than planned | PS (Project Size) | 70% | 3(Marginal) | Plan for scalability from the start. |
| Deviation from defined software development process | PR (Process) | 40% | 2(Critical) | Use cloud-based services for easy scaling. |
| Delivery might exceed deadline | BU (Business) | 45% | 2(Critical) | Prioritize reusable code design. |
| Project budget might exceed deadline | BU (Business) | 40% | 2(Critical) | Implement modular coding practices. |
| Unavailability of necessary tools | DE (Development) | 70% | 1(Marginal) | Conduct regular process audits. |
| Personnel shortfalls | DE (Development) | 20% | 1(Marginal) | Ensure team adherence to development methodologies. |
| Developing the wrong software functions | TE (Technical) | 5% | 4(Negligible) | Establish clear milestones. |
| Developing the wrong user interface | TE (Technical) | 5% | 1(Marginal) | Regular progress tracking and reporting. |
| Late changes to requirements | BU (Business) | 30% | 1(Marginal) | Maintain a strict budget tracking process. |
| Development technically too difficult | ST (Technical Skills) | 10% | 3(Marginal) | Plan for contingency funds. |
| Security vulnerabilities | TE (Technical) | 30% | 2(Critical) | Identify alternative tools in advance. |
| Inexperienced staff | ST (Technical Skills) | 35% | 2(Critical) | Maintain a list of backup resources. |
| Important staff unavailable on-site | ST (Technical Skills) | 10% | 2(Critical) | Cross-train staff. |
| Interface design might not be user-friendly | BU (Business) | 30% | 2(Critical) | Keep a pool of backup resources. |
| **Risk** | **Category** | **Probability** | **Impact** | **Mitigation Strategy** |
| Ethical dilemma | CU (Cultural) | 40% | 4(Negligible) | Maintain clear communication with stakeholders. |
| High maintenance costs due to poor design | DE (Development) | 50% | 2(Critical) | Conduct early validation of requirements. |
| Data privacy concerns | TE (Technical) | 45% | 2(Critical) | Engage in frequent UI/UX testing. |
| Miscommunication between team members | PR (Process) | 35% | 3(Marginal) | Get continuous feedback from users. |
| Dependency on third-party services | ST (Technical Skills) | 30% | 3(Marginal) | Implement change management practices. |
| Low user adoption due to lack of marketing | BU (Business) | 40% | 3(Marginal) | Allow buffer in the timeline for changes. |
| Regulatory non-compliance | CU (Cultural) | 20% | 4(Negligible) | Ensure skill alignment with project requirements. |