**COVERWALL**

**CENTAL SERVER TIMELINE**

**Phase 1: Initial Setup, Database Design & Preliminary Development - $300**

**Duration:** 3 days

**Activities:**

1. Review and validation of the existing project plan.
2. Design and setup of the database schema for the Central Server.
3. Starting backend development for the proxy system.
4. Initial design of required API endpoints.

**Deliverables:**

* Validated project plan for the Central Server.
* Designed and initialized database.
* Preliminary proxy system setup.
* API design documentation.

**Phase 2: Core Development (Part 1), Database & API Integration - $400**

**Duration:** 5 days

**Activities:**

1. Continued backend development for the proxy system.
2. Implementation of video page scraping and iframe embedding functionalities.
3. Integration of the database with the proxy system and video processing functionalities.
4. Development and integration of API endpoints.
5. Setting up the security controller (URL Filtering, IDS, Anti-Malware/Ransomware, etc.).

**Deliverables:**

* Functional proxy system integrated with the database.
* Video processing capabilities (scraping and embedding) with database logging.
* Developed and integrated API endpoints.
* Initial security measures in place.

**Phase 3: Core Development (Part 2), Testing, Database & API Optimizations - $450**

**Duration:** 5 days

**Activities:**

1. Development of the software agent control system.
2. Backend development for system health & lifecycle management.
3. Comprehensive testing of all functionalities, including database transactions and API calls.
4. Database optimizations and indexing for faster queries.
5. Refinement and testing of API endpoints.
6. Bug fixing.

**Deliverables:**

* Fully functional software agent control system integrated with the database.
* System health monitoring tools.
* Optimized and efficient database operations.
* Refined and tested API endpoints.

**Phase 4: Deployment, Documentation & Preparing for Integration - $150**

**Duration:** 2 days

**Activities:**

1. Deployment of the Central Server to a staging environment.
2. Final testing in the staging environment.
3. Documentation of all functionalities, API endpoints, configurations, and database schema.
4. Preparing guidelines and protocols for future integration with the School Administration Server.

**Deliverables:**

* Central Server deployed in a staging environment.
* Comprehensive documentation, including database schema, API documentation, and operations.
* Guidelines for future integration with the School Administration Server.

**Total Budget:** $1300

**Checkpoints for Client Communication:**

1. End of Phase 1: To review the database design, initial development, and API design.
2. Midway through Phase 2: To review the core development, database, and API integration.
3. End of Phase 3: To review the complete development, database and API optimizations, and test results.
4. End of Phase 4: To ensure the Central Server is ready for future integration.