

Jubail Industrial College

Department of Business Administration

Semester 462

**Deliverable 1**

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| **Course Name:** | | **Capstone Project** |
| **Course Code:** | | **MIS 451** |
| **Section:** | | **101** |
| **No.** | **Student ID** | **Student Name** |
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| **Group:** | | **3** |
| **Supervised by:** | | **ABDULRAHMAN BANDAR ALHARBI** |

**System Vision Document**

**Problem Description:**

Students, Quran teachers, and parents face challenges in tracking a student’s memorization progress, understanding their level compared to peers, and monitoring attendance records.

Additionally, the concept of positive competition within Quran memorization circles is either absent or implemented in a complex manner.

An advanced platform which resolves these problems will greatly improve the learning process for both educators and students as well as their parents.

**System Capabilities:**

* Allowing teachers to register their students, record attendance, and track memorization progress.
* Enables both students and parents to access statistics and reports, monitor memorization progress, and identify areas that need improvement.
* Introduces monthly competitions within each study circle based on attendance and recitation scores, recognizing top-performing students.
* Through its teacher portal, students' memorization progress is monitored in real-time at an efficient pace. The system allows teachers to assign new learning objectives and revision activities to students who must adhere to a systematic educational sequence.

**Business Benefits:**

* The system enhances the communication triangle between teachers, students, and parents by providing an accessible web-based platform.
* Improves tracking accuracy and ensures documented and measurable progress.
* The system fosters a motivational competitive environment by displaying students’ progress and points regularly.
* This web-based approach ensures broader accessibility and ease of use for all stakeholders.
* The platform implements rewards, badges, and leaderboards to stimulate student learning activities.

**Cost-Benefit Analysis**

**1. Development Costs:**

Design Cost (One-Time): Design for the website and branding (identity).

Estimated cost: 600 - 1200 SAR.

Programming Cost (One-Time): Development of the website and necessary functionalities.

Estimated cost: 10,000 - 12000SAR.

**2. Hosting & Domain Costs (Annual):**

Domain Name (Annual Fee): Website address.

Estimated cost: 70 SAR per year.

Web Hosting (Monthly Fee): Cloud VPS with medium performance.

Estimated cost: 75 SAR per month.

Estimated annual cost: 900 SAR.

**3. Marketing Costs (Monthly):**

Social Media Marketing (Monthly Fee): Advertising via social media channels.

Estimated cost: 375 SAR per month.

Estimated annual cost: 4,500 SAR.

**4. Maintenance & Operations Costs (Monthly):**

Maintenance & Operations (Monthly Fee): Ongoing maintenance and operation of the website (bug fixes, system updates, general technical support).

Estimated cost: 500 - 1,500 SAR per month.

Estimated annual cost: 6,000 - 18,000 SAR.

**Non-Profit Approach:**

The project is intended to be non-profit, and low-cost subscription plans will be adopted for students, teachers, and parents to make the platform accessible to as many users as possible.

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| **WBS** | **Task** | **Submission Week** | **Start Date –** |
| 1 | Initiation Phase | Week 1 | 2025-01-15 |
| 1.1 | Team formation list |
| 1.2 | Project idea |
| 2 | Planning Phase | Week 2 | 2025-01-23 |
| 2.1 | System vision document |
| 2.1.1 | Problem description |
| 2.1.2 | System capabilities |
| 2.1.3 | System benefits |
| 2.2 | Work breakdown structure WBS |
| 2.3 | Cost-benefits analysis |
| 3 | Analysis Phase | Week 4 | 2025-01-30 |
| 3.1 | Business model |
| 3.2 | ERD, Use case diagram |
| 4 | Design Phase | Week 6 | 2025-02-12 |
| 4.1 | Application architecture |
| 4.2 | Required system control |
| 4.3 | Network diagram |
| 4.4 | User interface diagram |
| 5 | Implementation & Testing Phase | Week 14 | 2025-04-09 |
| 5.1 | Develop system component |
| 5.2 | Software code |
| 5.3 | Database code |
| 5.4 | User interface code |
| 5.5 | Testing |
| 5.6 | System-generated report |
| 6 | Project Team Peer Evaluation | Week 14 | 2025-04-09 |
| 6.1 | Peer evaluation form / result |
| 7 | Final Project Documentation | Week 15 | 2025-04-16 |
| 7.1 | Comprehensive a project report |
| 8 | Oral Presentation & Demo | Week 15 | 2025-04-16 |
| 8.1 | Presentation slides & live system demonstration |