**Project Charter**

**Project Name**: Development of a Basic Learning Management System (LMS) Application  
**Prepared by**: Montassar Boukhadhra  
**Date**: 11/09/2025

**Version**: 1.0

### ****1. Project Purpose and Objectives****

**Purpose**:  
The purpose of this project is to develop a basic Learning Management System (LMS) application for Al-Arkkan Training Center. The application will facilitate course registration, scheduling, and payment for trainees, while providing administrative and trainer functionalities to manage roles, access, and class schedules.

**Objectives**:

* To create a functional LMS application with three user roles: Admin, Trainee, and Trainer.
* To enable Trainees to register for courses, book classes, and make payments.
* To allow Admins to set up roles, permissions, and access controls.
* To enable Trainers to schedule, open, and close classes.
* To deliver a fully functional application within 5 working days.

### ****2. Scope****

**In Scope**:

* Development of a front-end (FE), back-end (BE), and database (DB) for the LMS application.
* Implementation of three user roles: Admin, Trainee, and Trainer.
* Trainee functionality: Course registration, booking, and payment.
* Admin functionality: Role and access management.
* Trainer functionality: Class scheduling, opening, and closing.

**Out of Scope**:

* Advanced features such as gamification, social learning, or AI-driven recommendations.
* Integration with third-party payment gateways or external systems.
* Mobile application development or responsive design (unless specified).

### ****3. Stakeholders****

**Project Sponsor**: Al-Arkkan Training Center  
**Project Manager**: Montassar Boukhadhra  
**Development Team**: Montassar Boukhadhra (Full-stack Developer)  
**End Users**:

* **Admin**: Responsible for setting up roles and access.
* **Trainee**: Enrolls in courses, books classes, and makes payments.
* **Trainer**: Schedules, opens, and closes classes.

### ****4. Deliverables****

1. **Front-End (FE)**: User interface for Admin, Trainee, and Trainer roles.
2. **Back-End (BE)**: Logic for user authentication, course management, and payment processing.
3. **Database (DB)**: Schema for storing user data, course details, and class schedules.
4. **Documentation**: Basic user manuals for Admin, Trainee, and Trainer roles.

### ****5. Timeline****

**Start Date**: [11/9/2025]  
**End Date**: [17/9/2025] (5 working days from start date)

| **Task** | **Duration** | **Start Date** | **End Date** |
| --- | --- | --- | --- |
| Requirement Analysis | 1 day | 11/9/2025 | 11/9/2025 |
| Front-End Development | 1.5 days | 12/9/2025 | 13/9/2025 |
| Back-End Development | 1.5 days | 13/9/2025 | 14/9/2025 |
| Database Design & Integration | 1 day | 15/9/2025 | 15/9/2025 |
| Testing & Bug Fixing | 1 day | 16/9/2025 | 16/9/2025 |
| Documentation & Handover | 1 day | 17/9/2025 | 17/9/2025 |

### ****6. Budget****

**Budget**: Not applicable (internal development assignment).  
**Resources**:

* Development tools (e.g., IDE, version control system).
* Access to a database management system (e.g. SQLite, MySQL, PostgreSQL).
* Basic testing environment.

### ****7. Risks and Mitigation****

| **Risk** | **Impact** | **Likelihood** | **Mitigation Strategy** |
| --- | --- | --- | --- |
| Delays in development | High | Medium | Prioritize core features and stick to the timeline. |
| Insufficient requirements clarity | Medium | Low | Seek clarification from the sponsor as needed. |
| Technical challenges (e.g., bugs) | High | Medium | Allocate buffer time for testing and bug fixing. |

### ****8. Assumptions****

* The application will be developed as a basic prototype without advanced features.
* The sponsor will provide any necessary clarifications promptly.
* The development environment and tools are readily available.

### ****9. Success Criteria****

* The application is delivered within 5 working days.
* The application meets the basic functional requirements for Admin, Trainee, and Trainer roles.
* The application is tested and free of critical bugs.
* Documentation is provided for each user role.

### ****10. Approval****

**Project Sponsor**:  
Name: Ismat Katerji  
Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Date11/09/2025

**Project Manager**:  
Name: [Montassar Boukhadhra  
Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Date11/09/2025

### ****11. Revision History****

| **Version** | **Date** | **Description** |
| --- | --- | --- |
| 1.0 | 11/09/2025 | Initial Project Charter |

### ****Next Steps****

1. Begin requirement analysis and seek any clarifications from the sponsor.
2. Start development of the front-end, back-end, and database.
3. Conduct testing and finalize the application within the 5-day timeline.
4. Deliver the application along with the necessary documentation.

**Note**: This Project Charter is a high-level document to guide the development of the LMS application. Any changes or additional requirements will be communicated and documented as needed.