TMS

Phase I

PREPARED FOR

IRFAN

ECI Pvt Ltd.

PREPARED BY

Abdul Malik

Feature Enhancements & Issues to Address

1. **Assignment Redirection Issue**
   Fix the redirection problem when clicking the "Assignment" tab within a batch. It should navigate correctly to the relevant assignment page for that session.

2. **Excel Upload Issue for Participants**
   When uploading large Excel files for participants, some entries are inserted while others are not. Implement proper validation and error handling to ensure all records are processed and to log or highlight entries that fail to insert.

3. **Duplicate Participant Error After Session Re-Creation**
   When a session is deleted and then re-inserted along with its associated participants, the system throws a duplication error. This needs to be handled either by ensuring proper cleanup or by avoiding duplication on re-entry.

4. **Session-Wise Table Indexing**
   Reset row numbering for each session. Every session's related tables (such as participants, assignments, etc.) should start their row count from 1 for clarity.

5. **Automated History-Based Data Backup**
   Implement an automated system to periodically back up data with version history, allowing rollback to previous states when necessary.

6. **Manual Data Backup with History**
   Provide a feature to manually trigger data backups, with each backup instance saved along with timestamps and metadata for historical tracking and restoration.

7. **Edit and Delete Options for All Tables**
   Add "Edit" and "Delete" actions for each row in all tables across the platform, with proper confirmation dialogs and permission checks.

8. **Bulk Actions for User Management**
   Enable bulk operations (such as delete, assign roles, or reset passwords) for user records to improve admin efficiency.

9. **Improved Navigation within Training Materials**
   Enhance navigation within the training material module to allow users to quickly switch between sessions, materials, and documents.

10. **View Option for Training Materials**
    Add a "View" option to preview training material directly within the application, without requiring downloads.

11. **Undo Functionality for Participant Table**
    Implement an "Undo" feature in the participant table to revert the last delete or update operation within a short time window.

12. **Refactor Code for Specified Folders Across Application**
    Refactor the implementation for the following directories across the entire application, ensuring consistent handling in the **frontend**, **backend**, **database**, and **deployment** processes:

    - public/documents/
    - public/uploads/
    - public/adminDocs/
    - public/db_backup/

    This includes restructuring code for file management, updating API endpoints, revising database storage paths/references, adjusting volume configurations, and ensuring the deployment pipeline correctly handles these folders without overwriting or losing data.

Cost and time Estimation

Estimated time

Activity	Required Time
1-6 points	1 weeks
12 point	4-6 days
7-11 points	1 Week
Total Estimated Time	**3 Weeks**

Cost Breakdown

Particular	Amount
Development Cost	PKR. 50,000+10000
Total Cost	**PKR. 60,000**

Total Cost: PKR. 60,000

Installment Plan

Installment #	Deliverable	Amount
1st Installment	Upfront	PKR. 15000
2nd Installment	1-6 points	PKR. 20,000
3rd installment	12 point	PKR. 10,000
4th Installment	7-11 points	PKR. 15,000