
Project Plan: Inquizitive Application

Project Title - Inquizitive Web Application

1. Project Objective

- Develop and deploy an AI-powered quiz application
- Automate quiz generation, grading, and performance tracking
- Enhance academic integrity and reduce manual workload for educators

2. Project Scope

Included:

- AI-based web application for quiz generation and distribution
- Automatic grading with performance reports
- System evaluates answers and calculates scores instantly
- Secure student access and individual quiz versioning
- Analytics dashboard for teachers
- All user data and quiz results are safely stored

Excluded:

- Integration with third-party LMS (Learning Management Systems)
- Real-time chat or doubt clarification system
- Multimedia support in quiz creation
- Offline quiz attempts are not supported

3. Deliverables

- Requirements Specification Document
- UI/UX Wireframes for Teacher Dashboard and Quiz Interface
- Functional Web Application (Teacher-side and Student-side)
- API's Integration
- Testing & Bug Report Document
- Final Deployment
- User Manual / Teacher Guide

4. Work Breakdown Structure (WBS)

1.0 Project Initiation

- 1.1 Define project objectives
- 1.2 Identify and confirm stakeholders

2.0 Requirements Gathering

- 2.1 Conduct requirement sessions with teachers
- 2.2 Document functional and non-functional requirements

3.0 Design

- 3.1 Create UI/UX wireframes for dashboard and quiz interface
- 3.2 Review and finalize designs with key stakeholders

4.0 Development

- 4.1 Develop backend APIs (quiz, login, class management)
- 4.2 Build frontend UI (teacher dashboard, student quiz interface)
- 4.3 Integrate AI module for quiz generation
- 4.4 Implement quiz saving and record viewing

5.0 Testing

- 5.1 Unit Testing of individual components
- 5.2 Integration Testing across modules
- 5.3 User Acceptance Testing (UAT) with sample teachers

6.0 Deployment

- 6.1 Set up hosting on web server
- 6.2 Deploy final web application

7.0 Project Closure

- 7.1 Prepare user manual and documentation
- 7.2 Final walkthrough/demo for sponsor approval

5. Project Schedule (4 Months)

Task	Start Date	End Date	Duration
Requirement Gathering	July 17, 2025	July 23, 2025	7 days
Design	July 24, 2025	August 6, 2025	14 days
Development	August 7, 2025	September 20, 2025	45 days
Testing	September 21, 2025	October 10, 2025	20 days
Deployment	October 11, 2025	October 15, 2025	5 days
Project Closure	October 16, 2025	October 20, 2025	5 days

6. Milestones

- Requirements Approval: July 23, 2025
- Design Approval: August 10, 2025
- Development Freeze: September 20, 2025
- QA Sign-off: October 10, 2025
- Application Go-Live: October 20, 2025

7. Risk Mitigation

Risk	Impact (H/M/L)	Mitigation Strategy
Teacher resistance to AI-based tools	Medium	Conduct early demos and hands-on training
AI question accuracy	High	Use validated curriculum material and manual review option
System bugs during quiz	Low	Include local auto-save and retry logic
Cheating via internet or devices	Medium	Implement time-restricted and randomized questions

8. Project Team (5 Members)

- Project Manager: Wajeeha Batool
- Backend Developer: Shahana Mansoor Jamal
- Frontend Developer: Usaid Ahmed
- AI Specialist: Anabiyah Ahmed
- QA Engineer: Fareeha Jawed

9. Budget

- **Total Budget Cap:** PKR 20K
- **Breakdown:**
 - Hosting & Deployment: PKR 4K
 - Development Tools/Libraries: PKR 6K
 - Misc. Expenses (Training, Docs): PKR 10K

10. Communication Plan

- **Weekly Sync:** Development team meetings
- **Bi-weekly Updates:** Progress reports to stakeholders
- **Tools Used:** Email, Google Meet
- **Documentation Repository:** Google Drive

11. Approval Requirements

- Requirements sign-off by September 30, 2025
- Final app acceptance by October 25, 2025

12. Success Criteria

- Full app functionality delivered within timeline and budget
- Faculty adoption of 50% or higher
- At least 90% quiz accuracy and zero major bugs during live use
- Positive feedback from teacher and student users at least 85%