



Department of Computer Science-UIBT

**Document:** Scope Statement

**Project Title:** Inquizitive Application

**Team:** CerebroSparks

**Course:** Software Project Management (CS-458)

**Class/Section:** BSCS-4<sup>th</sup> semester, section B

**Members:**

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**Supervisor:** Miss Maryam Feroze

# Scope Statement

Project Title:

Inquizitive – AI Powered Quiz Application

Project Purpose:

The purpose of the inquizitive application is to reduce the manual workload of teachers by providing an application that automates quiz generation, distribution, grading, and performance tracking. Traditional methods of assessments are time-consuming and lack intelligent automation. Inquizitive addresses these challenges by integrating AI to assist in quiz generation, personalize quiz delivery for academic integrity, and generate real-time performance analytics, improving both teaching efficiency and student learning outcomes.

Project Objectives:

- Deliver a fully functional AI-powered application within 4 months.
- Enable AI-based quiz creation with customizable options.
- Ensure automatic grading.
- Secure student login and personalized quiz generation.
- Maintain academic integrity with randomization and time-restricted questions.
- Achieve at least 50% faculty adoption within the first semester of launch.

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.

Project Boundaries:

In-scope:

- 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.

Out-of-scope:

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

Assumptions:

- Internet access is available for AI-based features.
- Faculty will be trained to use the application and dashboard.
- Curriculum material will be accessible for AI model tuning.

Constraints:

- Timeline: 4 months.
- Budget Capacity: PKR 20k
- Development team limited to 5 members.
- Must function offline for quiz-taking: only AI and analytics require internet.

Acceptance 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%.

Stakeholders:

- Team CerebroSparks.
- End users: teachers and students.
- Project Supervisor: Miss Maryam Feroze.