 Marwadi University Marwadi Chandarana Group	Marwadi University Faculty of Engineering & Technology Department of Information and Communication Technology	
Subject: CP (01CT0715)	Aim: Project Definition and Scope - Intermediate Review	
	Date:	Enrollment No: 92200133036

Stakeholder Identification

The stakeholders for the **Acadexa Student Mobile Application** are:

1. **Students (Primary Users):** They require real-time access to attendance, fees, study material, batch information, and communication tools.
2. **Faculty Members:** They depend on smooth assignment submissions, exams, and interaction with students through an accessible platform.
3. **Institutional Administration:** They need a consistent system where student-facing mobile features are synchronized with the existing Acadexa web platform.
4. **Parents (Indirect Stakeholders):** Though not direct users, they benefit from students having access to reliable academic records and timely updates.

Needs Analysis

To analyze stakeholder needs, we reviewed **market reports, academic studies, and case studies on mobile education systems**. The findings are:



- **Student Needs:**
 - Access to attendance, fees, and assignments anytime, anywhere.
 - A simple communication tool for collaboration with batchmates.
 - Easy access to study materials without depending on desktops.
- **Faculty Needs:**
 - Reliable assignment submissions and exam systems to reduce manual management.
 - A platform where uploaded study materials are easily accessible to students.
- **Institutional Needs:**
 - Integrated ecosystem (web + mobile) for smooth synchronization.
 - Low-cost, scalable technology without high licensing expenses.

Problem Statement

Students in institutions using the Acadexa system currently depend heavily on the web app, which is built mainly for administrators. As a result, students face challenges in **accessing academic details, submitting assignments, and communicating with peers through mobile devices**.

Problem Statement:

There is no dedicated student mobile application integrated with Acadexa, resulting in limited accessibility, inefficient communication, and reduced engagement in academic activities.

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Solution Ideation

Based on the needs and problem identified, the following solution ideas are proposed:

1. Acadexa Student App with Integrated Academic Dashboard

- Centralized dashboard for attendance, fees, and batch details.
- Profile management for students.
- Real-time synchronization with the Acadexa web app.
- **Meets Needs:** Students gain visibility into their records; administrators ensure consistent data.

2. Assignment and Exam Module in Mobile App

- Students can upload assignments directly.
- Online quizzes/exams integrated with backend database.
- Push notifications for deadlines and exam schedules.
- **Meets Needs:** Reduces manual effort for faculty; ensures students don't miss submissions.

3. Batch Communication and Study Material Access

- Chat functionality for batch-level communication.
- Organized study material section where faculty can upload PDFs, videos, or notes.
- **Meets Needs:** Encourages collaboration, provides resources without dependency on desktops.

Relevance to ICT Domain

The proposed mobile application strongly aligns with ICT trends:

- **Mobile Application Development:** Built using **Flutter**, a leading cross-platform framework.
- **Database & Backend Systems:** Uses **PHP + MySQL** to handle structured academic records.
- **ICT in Education (EdTech):** Contributes to the global trend of **mobile-first learning ecosystems**.
- **Innovation Impact:** Provides a **student-only solution** that complements the existing web-based admin system, which many standard EdTech apps (like Moodle or Blackboard) do not fully address.

By focusing on **integration, accessibility, and student experience**, the project reflects current ICT challenges and opportunities, while directly meeting stakeholder requirements.