1) Group Members

Name of Student	Roll No.	Session	Email Address	Cell Number
Sikandar Khan	0225-BSCS-22	E1	msikandarkhan8421@gmail.com	03274122331
Nabeel Iqbal	0209-BSCS-22	E1	rainabelzafar@gmail.com	03258049007
Mukarram Hassan	0245-BSCS-22	E1	Infinitycoder88@gmail.com	03174868610

Project Title

StudyBuddy – Web-Based Peer Learning & Group Study Platform

Introduction

Background to the Problem

Students often find it hard to study alone, ask questions, or stay motivated. Group studies are powerful, but not always easy to organize. There's no common digital place where students can **form study groups**, **collaborate**, and **help each other** with live doubts and discussions.

StudyBuddy solves this by creating a virtual space where students can:

- Form or join study groups by subject
- Post doubts and get answers
- Share resources like notes and links
- Track group progress

Budget

- Firebase free tier is enough
- Hosting on Netlify, or Vercel

Project Scope

- Students create accounts and join **subject-based rooms** (Math, Physics, Web Dev, etc.)
- Post **questions**, reply to others, upvote answers
- Share **notes**, YouTube video links, PDFs
- Live **group progress tracker** (how many completed a topic)
- Form **private study circles** with friends

Requirements

Functional Requirements

1. **User Signup/Login**
   a. Via email or Google (Firebase Auth)
2. **Join/Create Study Groups**
   a. Group for each subject or topic
   b. Public and private modes
3. **Ask a Question / Answer**
   a. Simple Q&A format with replies and upvotes
4. **Resource Sharing**
   a. Upload PDFs or paste Google Drive, YouTube links
5. **Group Progress Tracker**
   a. Checklist of topics covered
   b. Track % of group members who've completed each
6. **Notifications**
   a. Get alerts when someone replies to your doubt or shares a new note
7. **Admin Panel**
   a. Moderate reported content, spam, inactive users

Non-Functional Requirements

- **Responsive UI**
- **Fast loading using Firebase Firestore**
- **Secure Authentication**
- **Minimal downtime**
- **Simple and distraction-free interface**

2) Which of the following core modules will be used in your project build upon?

Project	WB	AI	NW	SE	DB
e.g. Semantic Search and Filtering for Talent Hunting	√	x	x	√	√

9 Tools and Technology

- Software Engineering/Architecture (Visual Studio / Visual Paradigms)
- Adobe Illustrator (Graphic and UI Design)
- Frontend: HTML, CSS, JavaScript, ReactJS**,**
- **Backend/Database:** Firebase Firestore + Auth, ExpressJS, NodeJS
- Database: PostgreSql
- **File Upload:** Firebase Storage or third-party
- **Hosting:** Netlify or Firebase Hosting
- **Notifications:** Firebase Cloud Messaging or JS Alerts

Name of Supervisor(s):-------------------
Supervisor's Signature:………………………………………… Date:……………….