

## Team Prefetch

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## ABSTRACT OF THE PROJECT

### Tutor Connect

A One-to-One Topic-Specific Learning Platform

Bangladesh's education sector has seen rapid digital transformation through various EdTech platforms. However, most existing solutions focus on offering full courses, subject-wide tutorials, or live classes, lacking the flexibility for students who require targeted assistance on specific topics. Our project aims to bridge this gap by introducing a **one-to-one, topic-specific learning platform**, ensuring **personalized learning experiences** for students while enabling teachers to utilize their expertise more efficiently.

### Identifying the Gap

Traditionally, home tutoring services in Bangladesh operate on a **full-subject basis**, covering disciplines like Mathematics, Physics, Chemistry, and more. However, many students struggle with specific topics—such as **"Circles" in Mathematics**—and do not necessarily need tutoring for the entire subject. While platforms like **YouTube and other EdTech services** provide topic-specific videos, these lack real-time interaction, preventing students from resolving doubts or addressing complex scenarios in a **personalized manner**.

Furthermore, **rural students face greater challenges** due to **limited internet access and infrastructure**. While urban areas have widespread Wi-Fi connectivity, many **remote villages still lack basic electricity**, let alone a stable internet connection. The **educational disparity** between urban and rural students remains

a major concern, with rural learners missing out on the benefits of modern EdTech solutions.

### Our Solution: A Dynamic Tutor-Student Matching Platform

To address these issues, we have developed an **interactive, community-driven platform** that functions like a **social media network**, connecting students with teachers who can provide one-on-one assistance for specific topics.

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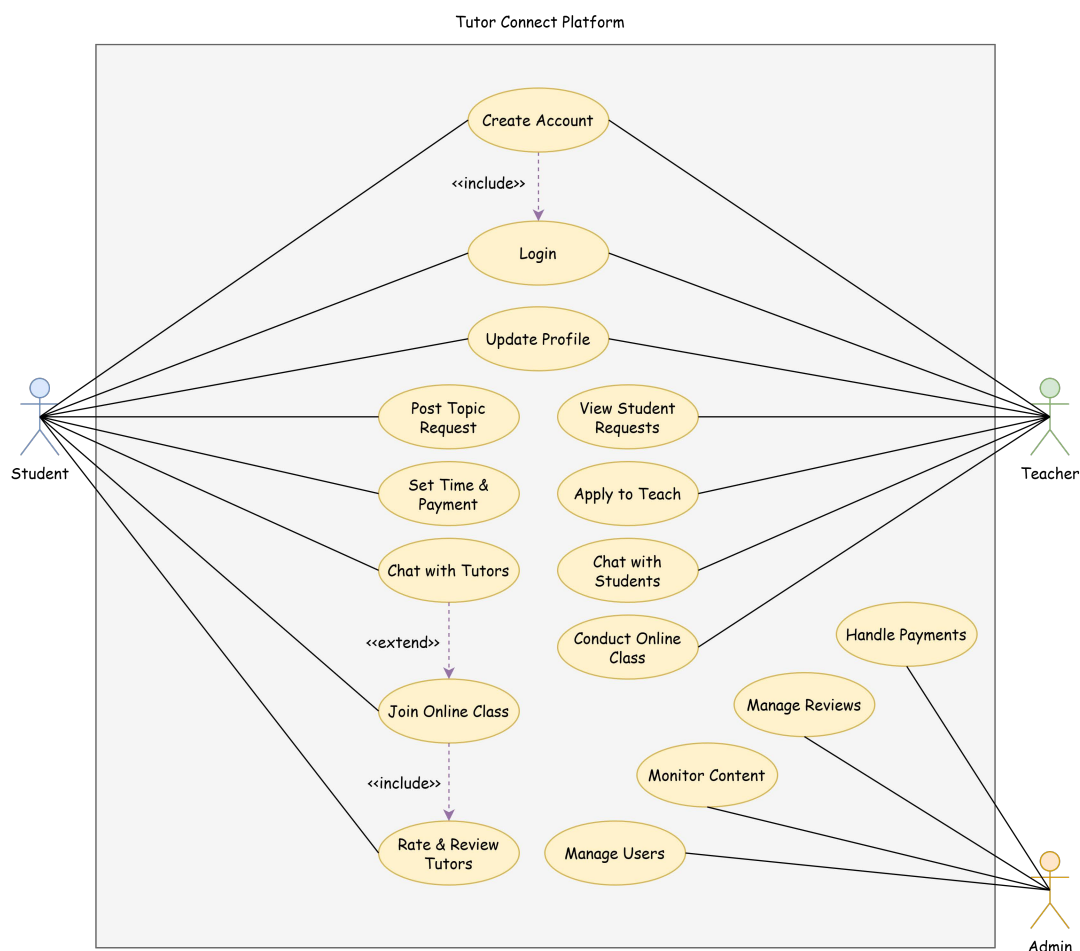


Figure 1 : Use Case Diagram of Tutor Connect Platform

## Key Features of the Platform:

1. **Student Posting System** – Students can post the specific topics they need help with, along with their available time and the fee they are willing to pay.
2. **Tutor News Feed** – Teachers will have a personalized feed displaying student requests, enabling them to connect directly with students who match their expertise.
3. **Integrated Chat System** – A direct messaging system allows students and teachers to communicate efficiently before finalizing a session.
4. **Built-in Meeting Platform** – Instead of relying on third-party tools like Zoom, our platform includes an in-house video conferencing feature for seamless virtual sessions.
5. **Teacher Profile & Rating System** – Teachers can create a **detailed profile showcasing their skills**, experience, and ratings from previous students, ensuring trust and credibility—similar to **freelancing platforms**.

## Why This Platform is a Game Changer?

- **Breaking Geographic Barriers:** Traditional home tutoring is limited to urban areas like **Dhaka, Chattogram, and other major towns**. Our platform enables students from **remote villages to access high-quality tutors** without geographical constraints.
- **Affordable & Accessible Education:** Instead of hiring full-subject tutors, students can now receive targeted learning support at a **lower cost**, making education more accessible for low-income families.
- **Opportunities for Rural Teachers:** Many skilled teachers in remote areas struggle to find students. This platform provides them with **a digital presence and new income opportunities**, promoting **skill-based employment**.
- **Flexible & Efficient Learning:** Students can **choose tutors based on specific needs**, saving time and improving comprehension in difficult topics through **real-time, personalized guidance**.

Our mission is to **revolutionize EdTech in Bangladesh** by making **education more accessible, flexible, and student-centric**. This platform does not replace traditional education but rather enhances it by filling critical gaps in **personalized,**

**topic-specific learning**, especially for **rural and underserved students**. By using technology, we aim to **empower both learners and educators**, creating an **inclusive, skill-driven learning ecosystem** for the future.