North South University
Department of Electrical and Computer Engineering
CSE299 – Junior Design, Section- 04
Group No- 06
Project Title- yMedia- Video Streaming and Sharing Platform

Proposed Solution

The goal of our project is to build a modern and easy-to-use video-sharing platform called yMedia. From our literature review, we found that most existing video platforms are large, complicated, and often include many features that users don't always need. Our proposed solution focuses on creating a simpler, faster, and more organized platform that still gives users the important features they expect.

Our system will be developed using the MERN stack (MongoDB, Express, React, Node.js). The frontend will provide a clean and responsive user interface, while the backend will handle data, user accounts, and video management securely. The database will store user information, video details, categories, and other content.

The platform will include essential features like user registration, login, video upload, profile management, likes, reviews, and category-based browsing. One unique feature we plan to introduce is a repost option, which allows users to share videos from other users onto their own profile — something common platforms like YouTube do not offer in this form. This feature is aimed at improving engagement and helping creators reach more viewers.

We also plan to make the user experience visually appealing. Each category page will include its own custom banner, creating a more personalized and attractive interface. Users will have a simple settings page where they can update their profile, view their uploaded videos, and manage them easily.

Overall, our proposed solution is a lightweight but fully functional video-sharing application that focuses on usability, clean design, and meaningful features. The next steps involve building the frontend pages, connecting them to our backend APIs, and gradually adding the features described above.