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
Weekly Progress Report- 02

Following last week's progress, our group made significant advancements in the backend development of yMedia, our YouTube-inspired video streaming platform. This week's work mainly focused on designing the database structure and building the core data models required for the application. We also set up several important packages and dependencies necessary for running the project smoothly.

Pallab Biswas (ID- 2232057642), worked on designing the blueprint for all the database schemas, outlining how different collections would be structured and related. This included planning fields and relationships for major components such as Users, Videos, Banners, and Categories. His work provided the logical foundation that guided the rest of our implementation.

Md. Yeasin Hossain (ID- 2231812642), developed the User and Video models based on the schema blueprints. The user model includes essential fields such as username, email, password, and admin privileges, while the video model incorporates attributes like title, channel name, description, reviews, and likes. These models serve as the backbone for user interaction and content management in the system.

Antara Labiba (ID- 2233585042), created the Banners and Categories models, completing the set of core data structures for the platform. In addition to that, she also conducted research and installed all necessary backend dependencies, including CORS, dotenv, express, git, mongoose, and nodemon. These installations ensured a proper environment for the development server and database communication.

Together, these steps brought our team closer to building a functional backend for YMedia. The next phase will involve connecting the models to the main server, implementing CRUD operations, and beginning API endpoint development.