CONNECTCO

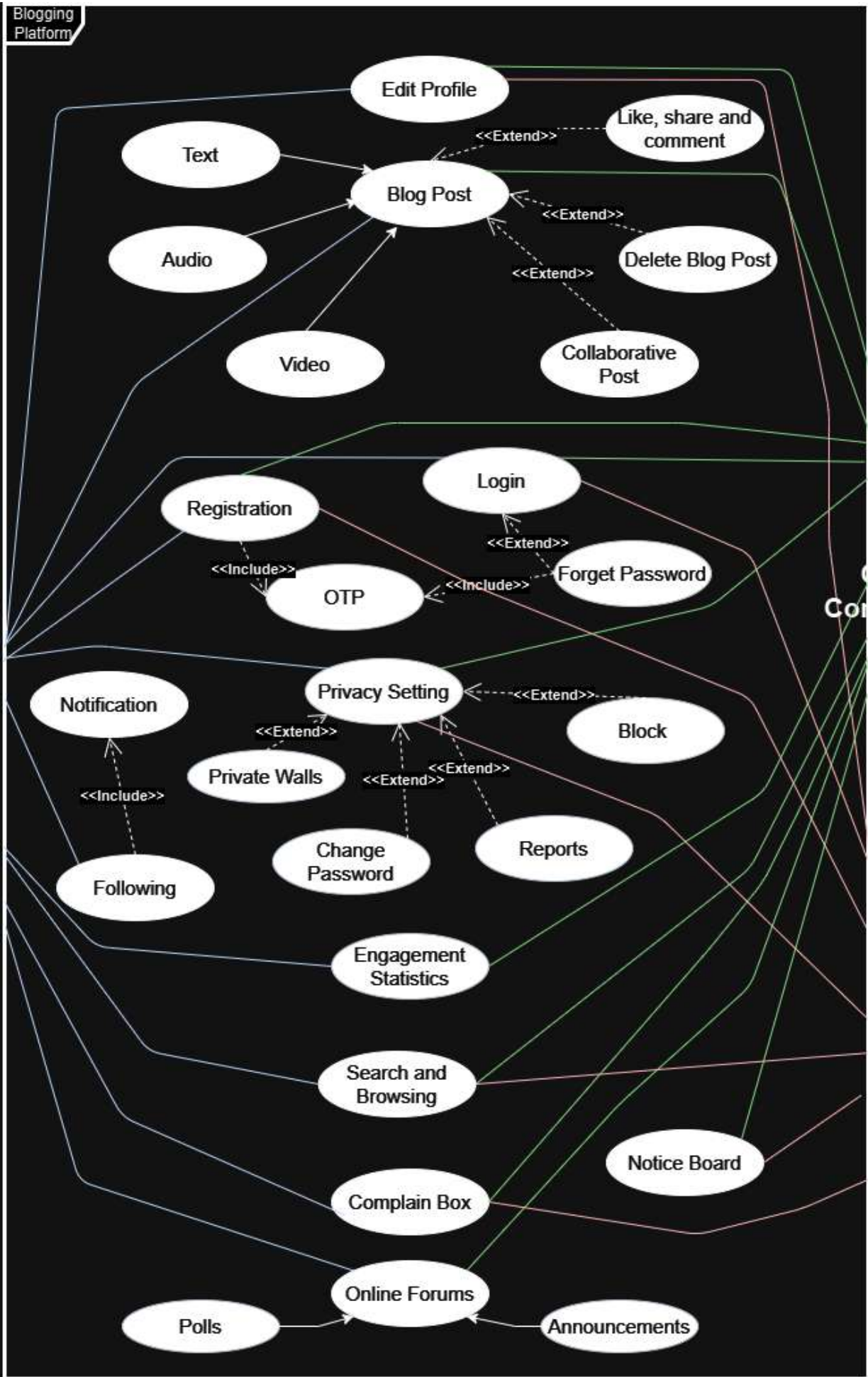## SOFTWARE ENGINEERING (IT - 314)

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Blogging Platform

Student

Clubs/Committees

College Admin

Edit Profile

Text

Audio

Video

Blog Post

Like, share and comment — <<Extend>>

Delete Blog Post — <<Extend>>

Collaborative Post — <<Extend>>

Registration

Login

OTP — <<Include>>

Forget Password — <<Include>>

Login — <<Extend>>

Notification

Privacy Setting

Block — <<Extend>>

Private Walls — <<Extend>>

Change Password — <<Extend>>

Reports — <<Extend>>

Following — <<Include>>

Engagement Statistics

Search and Browsing

Notice Board

Complain Box

Online Forums

Polls

Announcements

Link of Use Case Map Diagram :

https://drive.google.com/file/d/1Kaqe-X86L3drrlTT0i6jjcHhtBM1Jswn/view?usp=sharing

Project Goal:

To build a college-focused blogging platform that enhances community engagement, especially for introverted students, by providing features that facilitate personal expression, interaction, and involvement with clubs and committees.

Non-Functional Requirements:

● **Scalability**: Platform must support a large number of users and blogs without degradation in performance.

● **Security**: Implement strict security protocols, including data encryption, user authentication, and protection against unauthorized access.

● **Performance**: Ensure fast load times and a responsive user

interface across devices.

● **Accessibility**: Incorporate features to ensure the platform is accessible to all students, including those with disabilities.

● **Reliability**: Critical features, especially related to user management and content posting, should have uptime.

● **Usability:** Ease with which users can interact with a system, product, or service to achieve their goals effectively and efficiently. It's a critical component of user experience (UX)

● **Maintainability:** How easily and efficiently a system or product can be updated, repaired, or improved over time.

Functional Requirements:

1. General Users (Students)

Authentication and Profile Management

1. Create an account using a college-specific email address.

2. Log in securely to the platform.

3. Edit personal profile details (name, bio, profile picture).

4. Change password via account settings.

5. Reset password through email if forgotten.

Blog Post Management

1. Create, edit, and delete blog posts with support for:

   - Rich text formatting.

   - Embedding media (images, videos, audio).

2. Save blog drafts for later editing.

3. Manage visibility of posts (public, private, selective).

Search and Interaction

1. Search for blog posts, tags, and user profiles with autocomplete suggestions.

2. Like, share, and comment on blog posts.

3. Receive real-time updates for interaction metrics (e.g., likes, comments).

4. Follow other users or clubs and receive notifications about new content.

Collaboration

1. Co-author blog posts with multiple users.

2. Participate in discussion forums for clubs and committees.

Feedback and Complaints

1. Submit complaints or feedback through a complaint box.

2. Track resolution of submitted complaints (if applicable).

Notifications

1. Receive real-time notifications for:

    o New posts by followed users/clubs.

    o Replies to comments or interactions on their posts.

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2. Club and Committee Members

Forums and Collaboration

1. Create and moderate forums for clubs/committees.

2. Share announcements, conduct polls, and manage threaded discussions in forums.

3. Co-author blog posts as a group for club activities or events.

Post Management

1. Manage visibility of club posts (public, private, selective).

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3. College Administrators

User Management

1. Manage user access and authentication (e.g., deactivate accounts if needed).

Content Moderation

1. Review and act on reports of inappropriate content.

2. Block or remove flagged content as necessary.

3. Moderate comments and other interactions to maintain platform safety.

Notice Board

1. Post, edit, and remove college announcements or events on the centralized notice board.

Complaint Management

1. Review complaints submitted by users.

2. Track and resolve complaints effectively.

Analytics

1. View platform-wide analytics for:

   - Engagement metrics (e.g., likes, shares, comments).

   - Complaint submission trends or resolution times (if tracked).