Creating an abstract and module breakdown for a College Social Network involves outlining the key features, components, and functionalities of the system. Below is an example abstract and module breakdown for a College Social Network:

### Abstract:

The College Social Network is a web-based platform designed to connect students, faculty, and staff within a college or university community. It serves as a centralized hub for communication, collaboration, and information sharing, fostering a sense of community and enhancing the overall college experience. The platform incorporates features such as user profiles, discussion forums, event management, and resource sharing, providing a comprehensive solution to meet the diverse needs of the college community.

### Modules:

1. \*\*User Management Module:\*\*

- User Registration: Allows students, faculty, and staff to create accounts with their college credentials.

- Profile Management: Enables users to set up and customize their profiles with personal information, interests, and a profile picture.

- Authentication and Authorization: Ensures secure access and appropriate permissions for different user roles.

2. \*\*Social Feed Module:\*\*

- News Feed: Displays posts, updates, and announcements from friends, groups, and the college administration.

- Post Creation and Interaction: Allows users to create, like, comment, and share posts within the network.

3. \*\*Groups and Communities Module:\*\*

- Group Creation: Enables users to create and join interest-based groups, clubs, or communities.

- Group Discussions: Provides a space for members to engage in discussions, share resources, and organize events.

4. \*\*Event Management Module:\*\*

- Event Creation: Allows users to create, promote, and manage events on campus.

- RSVP and Attendance Tracking: Facilitates event participation by allowing users to RSVP and tracks attendance.

5. \*\*Messaging Module:\*\*

- Private Messaging: Enables users to send direct messages to individuals or create group chats.

- Notifications: Sends real-time notifications for new messages, friend requests, and other relevant activities.

6. \*\*Resource Sharing Module:\*\*

- Document Sharing: Allows users to upload and share documents, study materials, and resources.

- Collaboration Tools: Integrates collaborative tools for group projects and study sessions.

7. \*\*News and Announcements Module:\*\*

- Official Announcements: Provides a platform for college administrators to make official announcements.

- News Articles: Allows users to share and discuss relevant news within the college community.

8. \*\*Settings and Preferences Module:\*\*

- Account Settings: Enables users to manage account details, privacy settings, and notification preferences.

- Accessibility: Provides options for users to customize the platform based on their accessibility needs.

This abstract and module breakdown serves as a foundation for developing a comprehensive College Social Network, fostering communication, collaboration, and community engagement within the college environment.

**Brief overview of the technology**

1. **HTML:** HTML is used to create and save web document. E.g. Notepad/Notepad++
2. **CSS :** (Cascading Style Sheets) Create attractive Layout
3. **JavaScript:** it is a programming language, commonly use with web browsers.

**Back end: PHP, MySQL**

1. **PHP:** Hypertext Preprocessor (PHP) is a technology that allows software developers to create dynamically generated web pages, in HTML, XML, or other document types, as per client request.PHP is open source software.
2. **MySQL:** MySql is a database, widely used for accessing querying, updating, and managing data in databases.

**Software Requirement (any one)**

1. WAMP Server
2. XAMPP Server
3. MAMP Server
4. LAMP Server

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