

**IT632:-Software Engineering  
Proposal Document  
Group ID:-14**

**202412026 :- Jain Tisha Navinkumar**

**202412032 :- Kaival Shah**

**202412066 :- Patel Dhruv Alkeshbhai**

## **Summary of the Project:**

- PicVerse is a dynamic online application designed to get content lovers moving. With PicVerse's seamless integration of front end and back-end technology, users can explore and discover their favorite influencers on an immersive platform.
- Our platform enables users to connect with fellow social-media enthusiasts, providing a space where they can discover like-minded individuals, share their content, and engage in meaningful interactions. Users can express themselves through posts, connect with others through messaging, and participate in discussions, fostering a vibrant digital community.

## **Aims and Objectives**

### **Aims:**

- To develop a simplified social media platform for social media lovers.

- To implement Instagram-like features with a beginner-friendly approach.
- To gain practical experience in building a social networking application.

### **Objectives:**

- Develop a Social Platform for Social Media Enthusiasts
- Simplify Social Media Interaction
- Encourage User Engagement and Collaboration
- Enhance User Experience with an Intuitive UI
- Ensure Scalability for Future Growth
- Gain Practical Software Development Experience

### **Features:**

#### **User Registration & Login**

- Users can create accounts and log in securely.
- Basic profile setup with username, profile picture, and bio.

#### **Post Sharing**

- **Functionality:** Users can upload and share images along with captions.
- **Description:** This feature allows users to post their images or content with a short caption. The posts are visible to all users and can be interacted with via likes and comments.

#### **Like System**

- **Functionality:** Users can like posts to show engagement and appreciation.

- **Description:** The like system helps track the popularity of posts and promotes user interaction. Each user can like a post, and the system keeps count of the number of likes for each post.

## Messaging

- **Functionality:** Direct messaging feature for user-to-user interaction.
- **Description:** Users can send and receive messages to communicate with each other, facilitating discussion and collaboration for making projects.

## User Interface

- **Functionality:** Simple and intuitive design to enhance user experience.
- **Description:** The user interface is designed to be minimalistic yet effective, making it easy for users to navigate through the app. The focus is on ease of use and accessibility for users of all skill levels.

## Scalability

- **Functionality:** The platform is built with future expansion in mind.
- **Description:** The architecture is designed to handle future feature additions, such as video posts, user analytics, and more complex messaging systems, ensuring that the platform can grow without performance issues.

## User Feed

- A chronological feed displaying posts from followed users.
- Simple scrolling interface for easy browsing.

## Tools and Technologies

- **Frontend:**
  - HTML, CSS, JavaScript for layout and styling.
- **Backend:**
  - Python, Flask
- **Database:**
  - MySQL

## Future Enhancements

- **Video Support:** Enable users to share videos alongside images.
- **Advanced Messaging:** Implement group chats and media sharing within messages.
- **User Profiles:** Add customizable profiles for users to display their preferences and activity.