Project Development Phase

Model Performance Test

- **High Reliability**: All core modules (chat, Firebase, UI, real-time updates) work with nearly perfect performance.
- **Minor Enhancements**: Features like customization and feedback can be improved for more seamless experience.
- **Scalability**: Firebase ensures backend scalability under growing user load.

Feature / Module	Functionality Description	Recall	Performance
User Registration & Profile	Create user account, upload profile picture, enter personal info	Successful	100%
Explore Chat Rooms	List available rooms by interest and topic	Functional	98%
Join/Create Chat Rooms	Join existing or create custom chat rooms	Successful	100%
Send/Receive Messages	Real-time messaging, emojis, images/videos	Smooth	99%
Personalization Options	Status updates, notification settings, room management	Partial	98%
Real-Time Message Updates	Push notifications, real-time sync	Accurate	100%
Firebase Integration	Real-time storage and data retrieval	Scalable	100%
State Management (Jetpack Compose)	Efficient UI state rendering and navigation	Responsive	99%
Chat History and Archives	View old messages and media	Accessible	97%
Feedback and Support	Send issues and feedback	Available	96%