# GEN AI PROJECT PHASE 3 - Final Report & Submission

Project Title: Chatbot Assistant using Generative AI

### **3. GitHub Repository Link**

You can access the complete codebase, README instructions, and any related resources at the following GitHub link:

[ShamsShadanKhan](https://github.com/ShamsShadanKhan)

## Summary of Work

- Proposal phase involved defining problem and solution.  
- Implementation was done in Colab and via a web UI.  
- The chatbot was tested for responsiveness, contextual accuracy, and edge cases.

## Testing Strategy

• Input Handling  
• Contextual Relevance  
• Edge Case Testing  
• Performance Testing

## Results

• Responses were accurate and contextually appropriate.  
• Application responded within 1-2 seconds.  
• Handled unknown or nonsensical input gracefully.

## Future Work

• Add memory across sessions.  
• Fine-tune on custom dataset.  
• Integrate with voice input or messaging apps.