

# Validation Report

**Report Period:** March 23, 2024 –March 25,2024

**Project Title:** ARA

**Guide:** Dr. D. J. Chaudhari

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**Executive Summary:** This report covers the March 23-25, 2024 validation of the ARA web app. Key activities included automating tests for user accounts, response generation, and ML model integration, plus manual testing of responses, authentication, and user experience. Sample prompts confirmed appropriate response generation. Automated tests found no critical errors.

## Current Task Progress:

Task Description	Validation
Scheduled Completion	March 25, 2024
Actual Completion	March 25, 2024
Status	Completed
Remarks	

## Accomplishments:

- Automated Validation of
  - Register, Login, Profile and Account Functionality
  - Notebook Response Generation
  - Connection with ML Models

- Human Validation of
  - Response Generation
  - Authentication
  - User Interactivity

### **Manual Validation:**

- The accounts and login functionality were validated as working by manual review. The system accepts the username and password without error.
- Response Generation was validated by submitting test prompts. The following items are divided into Prompt : Response.
  - Hello! : Hello! How may I be of assistance?
  - Who are you ? : I am ARA, a project of GCOEN.

These responses indicate that the model integration and communication stack are working.

- The entire web application was validated as working by automated review, all links are functional, reported error count is 0.

### **Financial Summary:**

Description	No financial expenditure required
Budgeted Amount	Rs. 0
Amount Spent This Week	Rs. 0
Total Expenditure	Rs. 2050

### **Conclusions and Recommendations:**

In conclusion, the proposed web-based app has undergone rigorous validation testing by manual and automated means. Defects uncovered during the validation process were few, and included only missing text. All validation criteria were sufficiently met. Based on the validation result, the project can move forward towards verification and subsequent deployment.

**Approval:**

Dr. D. J. Chaudhari

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