VIRTUAL GUIDE

GROUP 15

A VIRTUAL GUIDE FOR COLLEGE STUDENTS

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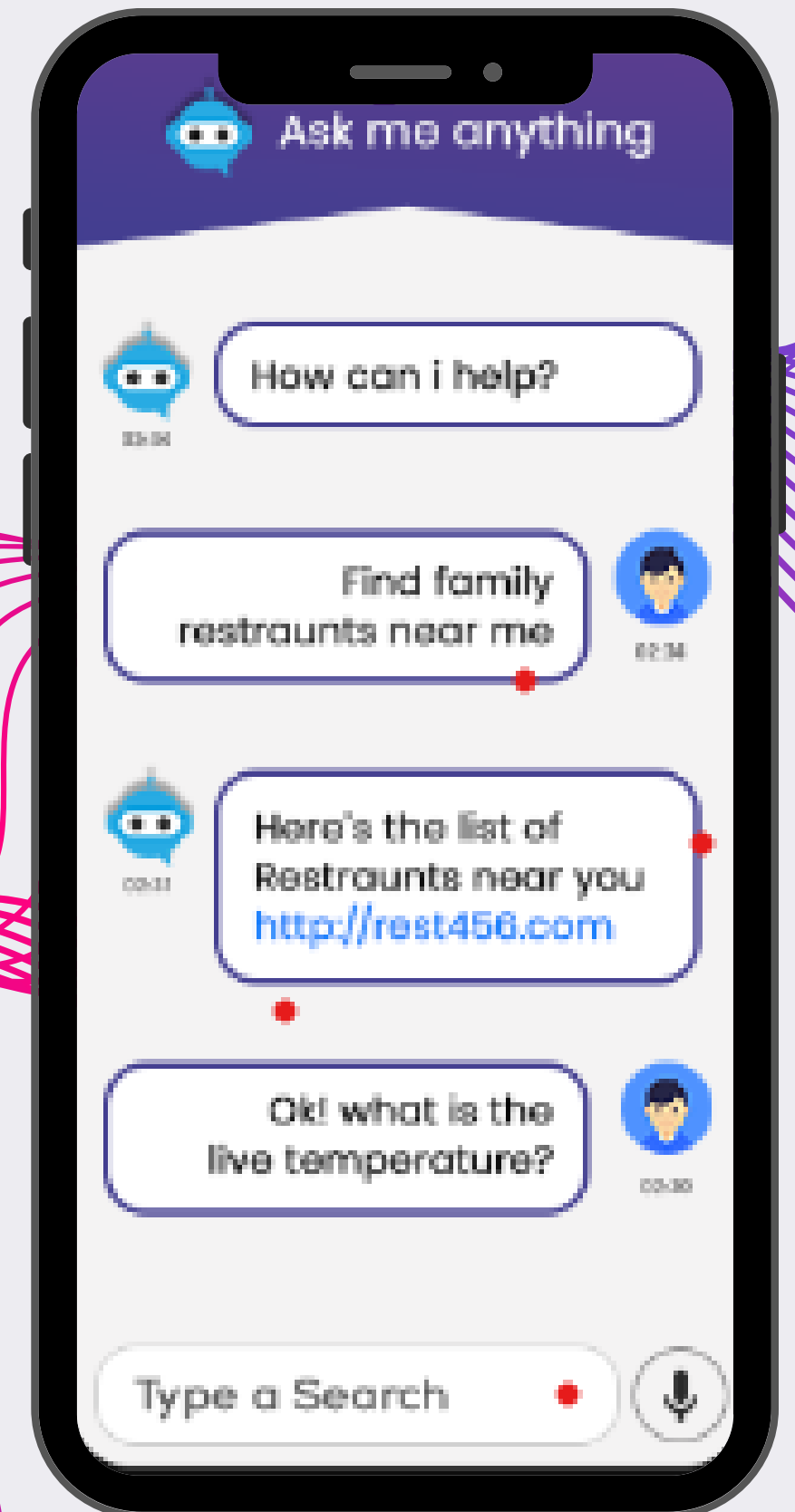**DHRISYA T R** (77)

CONTENTS

1. Introduction
2. Problem statement
3. Motivation
4. Objective
5. Project Plan
6. Literature review
7. Challenges
8. Conclusion

INTRODUCTION

Our project aims to provide a virtual guide to college students through a Whatsapp interface, offering quick and accurate responses to their questions and guidance on all areas of college life.
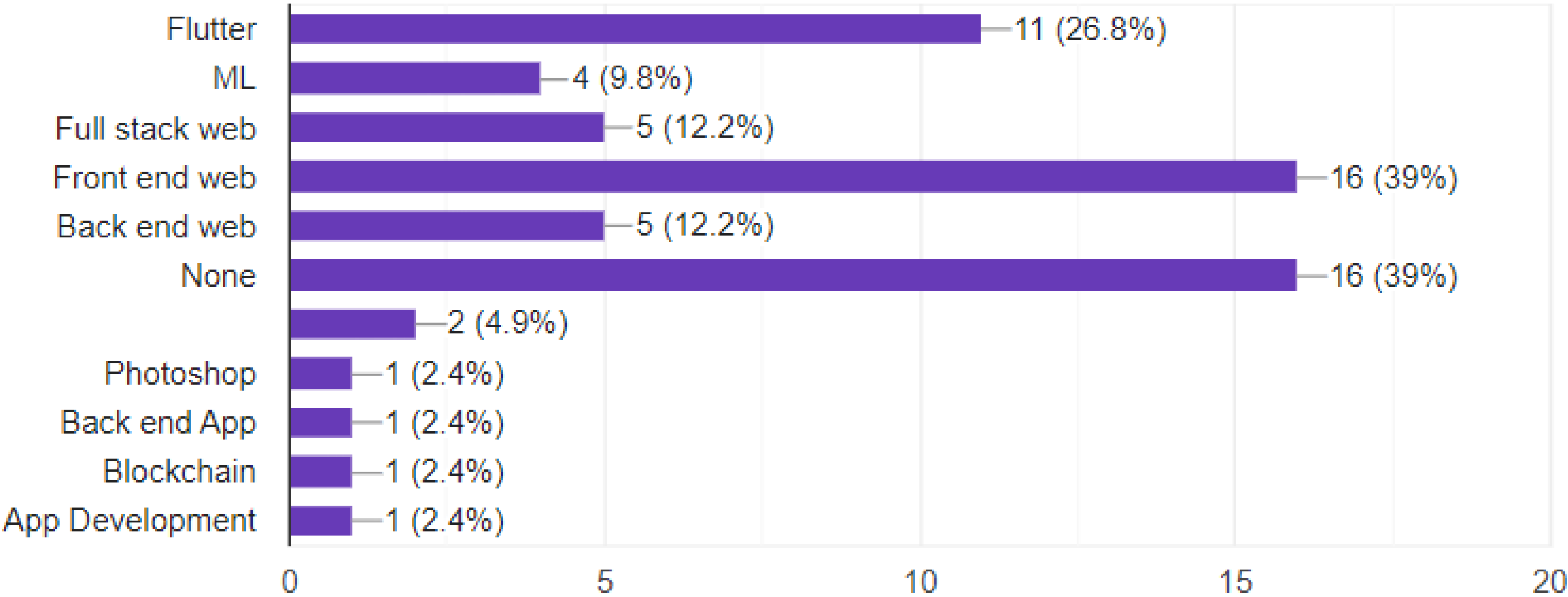
PROBLEM STATEMENT

1) Clueless
2) Confused
3) lack of one to one guidance
4) Technical illiteracy
5) Not aware of the competition outside college
6) Solution: chatBot

4

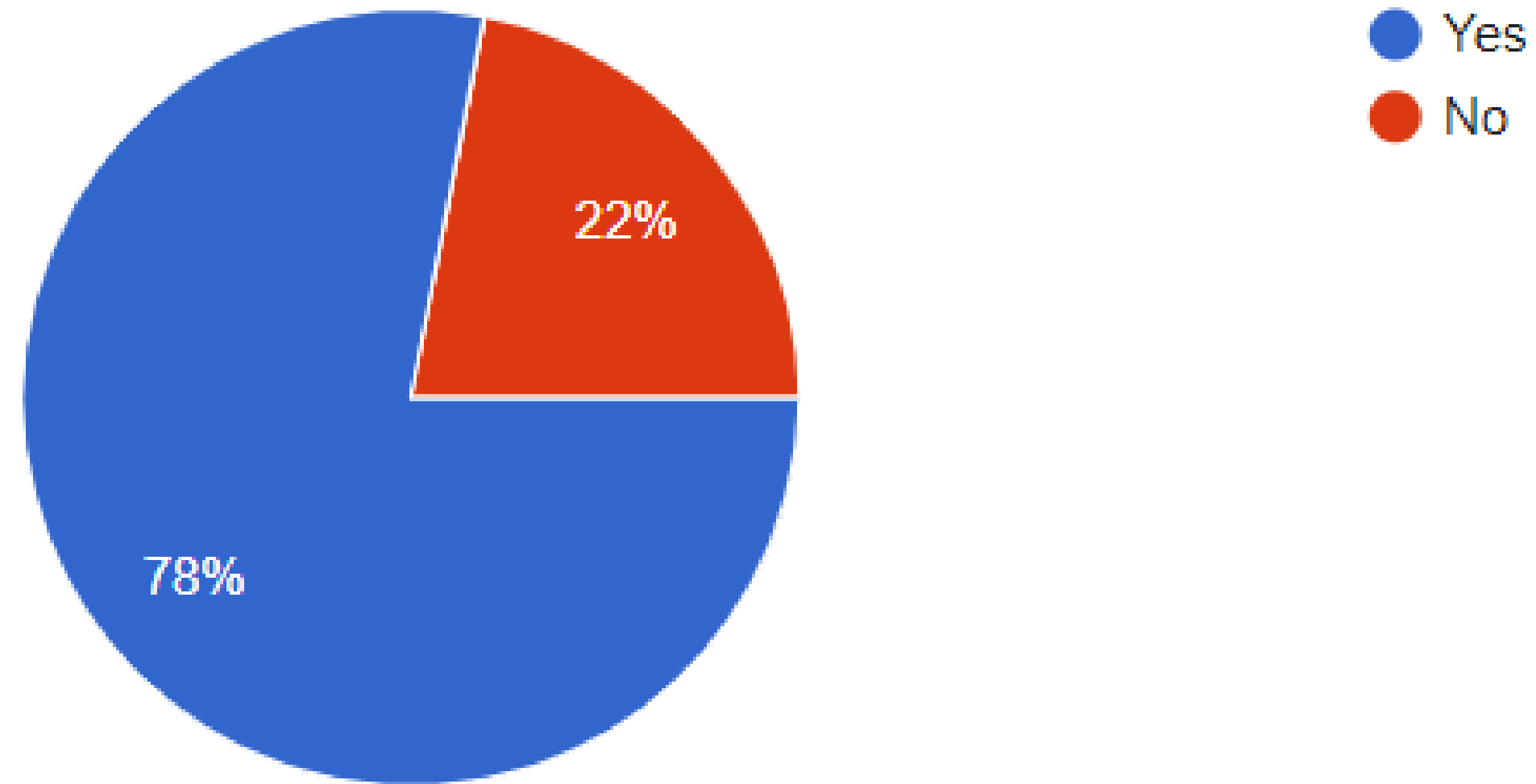# Let's have a survey

Which technologies are you familiar with?

41 responses

| Technology	Count
Flutter	11 (26.8%)
ML	4 (9.8%)
Full stack web	5 (12.2%)
Front end web	16 (39%)
Back end web	5 (12.2%)
None	16 (39%)
	2 (4.9%)
Photoshop	1 (2.4%)
Back end App	1 (2.4%)
Blockchain	1 (2.4%)
App Development	1 (2.4%)

5

MOTIVATION

- Inadequate "Technical literacy" among engineering students

- Extremes in technical know how's - trace back to varied range of back ups from family or society

OBJECTIVE

- To give adequate mentoring in practically all areas so that no freshmen are unsure of what to do next.
- To provide precise responses to the pupils' questions
- To provide students a sense of what is going on at the college
- To provide suggestions for innovations
- To give a map of the college

PROJECT PLAN
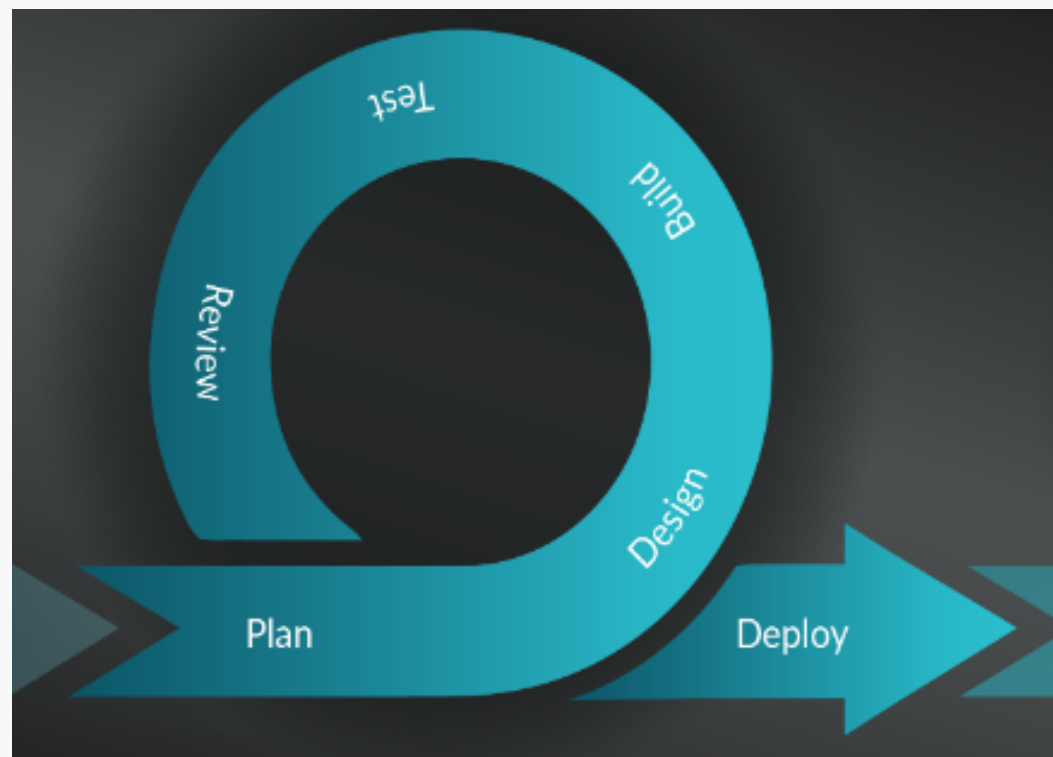
1 Survey

2 Send message through WhatsApp cloud API

3 WEBhooks integration

4 UI

5 Ml model to generate chat response

6 integrating this model to app

7 Application to receive user messages

8 Option to send broadcast messges

9

LITERATURE REVIEW

Virtual guide systems have been implemented in various colleges and institutions to help students navigate and learn about campus resources.

- University of Auckland Virtual Assistant
- Georgia Tech's Campus Clarity
- Purdue University's PurdueBot
- University of Alberta's Chatbot

Each system is unique and tailored to the specific needs of the college or institution.

Challenges : integration, adoption, accuracy, personalization, security

CHALLENGES

1. Integration: Integrating the system with existing university systems, such as student information systems, can be difficult.
2. User adoption: Encouraging students to use the system can be challenging, especially if students are accustomed to other methods of getting information.
3. Maintaining accuracy: Ensuring that the system is up-to-date and accurate requires ongoing effort and resources.
4. Personalization: Providing personalized responses to student queries can be challenging.
5. Data privacy and security: Ensuring that the system's data privacy and security measures are adequate is essential.

CONCLUSION

In conclusion, our virtual guide project aims to help college students navigate their academic and social lives with greater ease and confidence, by providing them with reliable guidance and support through a user-friendly Whatsapp interface.

THANK YOU