**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**JNANA SANGAMA, BELAGAVI-590018**

**MINI PROJECT**

**(21ADMP67)**

**REPORT**

**ON**

**“AI-CHATBOT FOR DEPARTMENT”**

*Submitted in partial fulfilment of the requirements for the award of*

*the degree of*

**BACHELOR OF ENGINEERING**

**IN**

**ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**

Submitted by

**HARSHITHA N (1KG21AD012)**

**MANYASHREE U J (1KG21AD028)**

**PRAJWAL C L (1KG21AD036)**

**JYOTHISH K S (1KG22AD401)**

Under the Guidance of

**Prof. Harshitha H S**

Assistant Professor

Department of AI&DS

K.S.S.E.M, Bengaluru



**Department of Artificial Intelligence and Data Science**

**K. S. School of Engineering and Management**

**No 15, Mallasandra, off. Kanakapura Road, Bengaluru – 560109**

**2023-2024**

**K. S. SCHOOL OF ENGINEERING AND MANAGEMENT**

**BENGALURU – 560109**

**Department of Artificial Intelligence and Data Science**



**CERTIFICATE**

This is to certify that the **MINI PROJECT** entitled **“AI-CHATBOT FOR DEPARTMENT”** is carried out by:

**HARSHITHA N 1KG21AD012**

**MANYASHREE U J 1KG21AD028**

**PRAJWAL C L 1KG21AD036**

**JYOTHISH K S 1KG22AD401**

bonafide studentsof the **VI semester** in partial fulfilment of the award of **Bachelor of Engineering** in **Artificial intelligence and data science** in **K. S. School of Engineering and Management, Bangalore** of **Visvesvaraya Technological University**, Belagavi during the academic year **2023-2024**. The **MINI PROJECT** has been approved as it satisfies the academic requirements in respect of **Mini Project (21ADMP67)** prescribed for the Bachelor of Engineering degree.

**Signature of the Principal**

Dr. K Rama Narasimha

Principal / Director

KSSEM, Bengaluru.

…………………………….…….…….….

…………………………….……….….

**Signature of the HOD**

Prof. Manjunath T K

Associate Prof. & HOD,

AI&DS, KSSEM.

**Signature of the Guide**

Prof. Harshitha H S

Assistant Professor.,

AI&DS, KSSEM.

...…………………………………….….

**DECLARATION**

We, **HARSHITHA N** bearing **USN: 1KG21AD012, MANYASHREE U J** bearing **USN: 1KG21AD028, PRAJWAL C L** bearing **USN: 1KG21AD036, JYOTHISH K S** bearing **USN: 1KG22AD401,** studying in the 6th semester of Bachelor of Engineering in Artificial Intelligence & Data Science at K S School of Engineering and Management, Bengaluru, hereby declare that the report entitled report on **“AI-CHATBOT FORDEPARTMENT”** has been submitted in partial fulfilment of the requirements for the completion of the 6th semester B.E(2021 Scheme) in Artificial Intelligence & Data Science.

|  |  |  |
| --- | --- | --- |
| **Name of the student** | **USN** | **Signature** |
| HARSHITHA N | 1KG21AD012 |  |
| MANYASHREE U J | 1KG21AD028 |  |
| PRAJWAL C L | 1KG21AD036 |  |
| JYOTHISH K S | 1KG22AD401 |  |

**Place: Bengaluru**

**Date:**

**I**

**ACKNOWLEDGEMENT**

The successful presentation of the **MINI PROJECT** would be incomplete without the mention of the people who made it possible and whose constant guidance crowned my effort with success.

We take this opportunity to express my sincere gratitude to our **Management** K S School of Engineering and Management, Bengaluru for providing all the infrastructure and support for the completion of the Mini Project.

We would express my gratitude to **Dr. K. V. A. Balaji** C.E.O. K. S. School of Engineering and Management, Bengaluru, for providing encouragement and support for the completion of the Mini Project.

We would like to extend my gratitude to **Dr. K Rama Narasimha** Principal & Director, K.S. School of Engineering and Management, Bengaluru, for providing opportunity and support for the completion of the Mini Project.

We thank **Prof. Manjunath T K**, Associate Professor, Project Coordinator, and Head of the Department of Artificial Intelligence & Data Science at K.S. School of Engineering and Management, for his support and encouragement.

We thank **Prof. Harshitha H S**, Assistant Professor, Department of Artificial Intelligence & Data Science, K.S. School of Engineering and Management, for her support and encouragement.

Finally, we extend our heart-felt gratitude to our **family** for their encouragement and support without which we wouldn’t have come so far. Moreover, we thank all our **friends** for their invaluable support and cooperation.

**Name of the Students**

HARSHITHA N

MANYASHREE U J

PRAJWAL C L

JYOTHISH K S

**II**

**ABSTRACT**

A chatbot is a software application used to conduct an online chat conversation via text or text to speech instead of providing direct contact with a live human agent. The user may believe they are conversing with a human, while in reality they are interacting with a machine. The chatbot can understand and respond to a wide range of inquiries related to admissions, course information, campus facilities, event schedules and more. Students access content more easily, which ensures better engagement with institution and even with education paths. This tool provides instant accurate support to perspective and current students, faculties and visitors, significantly improving user experience and operational efficiency. Its availability ensures that users receive timely assistance, fostering better engagement and satisfaction within the college community.

**III**

**TABLE OF CONTENTS**

|  |  |  |
| --- | --- | --- |
| **TITLE** | **CONTENTS** | **PAGE NO.** |
|  | **DECLARATION**  **ACKNOWLEDGEMENT** | I  II |
|  | **ABSTRACT** | III |
|  | **TABLE OF CONTENTS**  **TABLE OF FIGURES** | IV  V |
| **CHAPTER 1** | **INTRODUCTION** | **1-3** |
| 1.1 | Background | 1 |
| 1.2 | Problem Statement | 1 |
| 1.3  1.4 | Objectives  Scope of the Project | 2  3 |
| **CHAPTER 2** | **LITERATURE REVIEW** | **4-10** |
| **CHAPTER 3**  3.1  3.2  3.3  3.4 | **METHODOLOGY**  System Design  Data Collection  Tools and Techniques  Procedure | **11-16**  11  12  13  14 |
| **CHAPTER 4** | **IMPLEMENTATION** | **17-22** |
| **CHAPTER 5**  **CHAPTER 6** | **RESULTS**  **DISCUSSION**  **CONCLUSION**  **REFERENCES**  **APPENDICES**  **IV** | **23-25**  **26-27**  **28-29**  **30-31**  **32** |

**TABLE OF FIGURES**

|  |  |  |
| --- | --- | --- |
| **FIGURE NO** | **FIGURE** | **PAGE NO.** |
| 3.1 | Flowchart | 13 |
| 5.1 | Department Chatbot | 21 |
| 5.2  5.3  5.4  5.5 | Reply for the query  What is useful of joining this department  What are the courses offered by the Department of AI&DS  Chatbot responding for other questions other than department related | 22  22  23  23 |

**V**