Chatbot For HR Department

Submitted in partial fulfillment of the requirements

of the degree of

Bachelor of Engineering

by

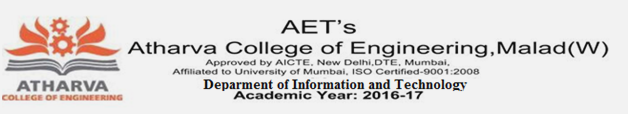
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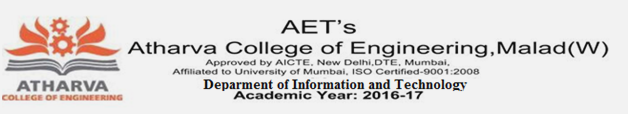
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Year: 2019-20



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**YEAR: 2019-2020**

CERTIFICATE

*This is to certify that*

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*have submitted the Project report for the requirements of the Bachelor of Engineering in Information Technology satisfactorily*

on

**“ChatbotFor HR Department”**

*As prescribed by the* ***University of Mumbai*** *Under the guidance of*

**PROJECT GUIDE H.O.D. PRINCIPAL**

**INTERNAL EXAMINER COLLEGE SEAL EXTERNAL EXAMINER**

**Approval for B.E. Project Report**

This project report entitled ***Chatbot For HR Department*** by ***Ajaykumar Kushwaha ,Rishikesh Nanaware,Damini Pandare*** is approved for the degree of ***Bachelor of Engineering in Information Technology***

Project Guide:

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Date:

Place:

Declaration

I declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, I have adequately cited and referenced the original sources. I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. I understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

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**Abstract**

Chatbots are programs that mimic human conversation using Artificial Intelligence (AI). It is designed to be the ultimate virtual assistant. This chatbot can be used by HR department to find out answers for their queries in an interactive fashion. It is challenging task for HR people to find accurate data in huge databases regarding their queries. It is also tedious task to get for suggestions for their problems. To simplify these, problems, we have designed a Chatbot for HR department, which will be able to answer FAQs related to HR department. In, this paper we have proposed a chatbot which can give response in different patterns like tables, graphs, etc. It can understand the meaning of different queries searching for same response and gives response according to that.

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**Abbreviations**

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| AIML | Artificial Intelligence Markup Language |
| UML | Unified Modeling Language |
| LSA | Latent Semantic Analysis |
| ER-Diagram | Entity Relation Diagram |
| DFD | Data Flow Diagram |

**Publications Associated with Project(list of papers)**

1. Title:-Chatbot for University Related FAQs

Authors*:-*Bhavika R. Ranoliya , NidhiRaghuwanshi and Sanjay Singh

1. Title:- Automated Thai-FAQ Chatbot using RNN-LSTM

Authors*:-*PanitanMuangkammuen,NarongIntiruk ,Kanda RunapongsaSaikaew

1. Title:- Intelligent Chatting Service Using AIML

Authors*:-*Saqib G, Faizan , Ghatte N