Educational Chat-Bot
Using Artificial Intelligence

A PROJECT REPORT
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(Internet of Things)

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Bonafide Certificate

Certified that this project report "Educational Chat-Bot Using AI" is the bonafide work of "Rishabh Anand" who carried out the project work under my supervision.

SIGNATURE   **SIGNATURE**

Name   *Aanchal Sharma*
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Department   *Department*

Submitted for the project viva-voce examination held on

INTERNAL EXAMINER   **EXTERNAL EXAMINER**

Acknowlgement

I, 'Rishabh Anand' student of 'Bachelor of Engineering in Computer Science and Engineering - IoT', session: 2019-23, Department of Computer Science and Engineering, Apex Institute of Technology, Chandigarh University,Punjab, hereby declare that the work presented in this Project Work entitled 'AI Chat-Bot' is the outcome of my own bona fide work and is correct to the best of our knowledge and this work has been undertaken taking care of Engineering Ethics.

It contains no material previously published or written by another person nor material which has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgment has been made in the text.

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ABSTRACT

In a world, ruled by knowledge and one that runs on information, it becomes crucial for a person to know what is happening around him. But with the abundance of knowledge and information it becomes difficult for a person to keep his own data bank up to date with all the facts flowing around him.

This is where my project comes in. Every piece of knowledge, every bit of information just one question away. Not only that, but it also helps you to keep your data bank up to date with the latest information. Sure you could just google stuff and get that required bit of data but google is big and the results are crowded. How do you fiter out the important parts of the information that is relevant to you ? How to you personalize it to the area or to the institution that you are in ? With my project, of course. Not only are the results about "your" institute, but it also comes with the relevance that you didn't know you needed.

The results are summarized, directly from your own instutute's webpages. The results are personalized to your needs. The results come in a conversational manner. It's like talking to the dean of the college but in a far more friendly and fun way. So now you won't have to go to the poorly designed college webpage. All you need to do is talk to this bot, like you would talk to one of your friends and all the information that you need is given to you. Instantly.

This project solves the problem of FOMO in an elegant way. Thereby, making the world, or at least your world, a better place.

INTRODUCTION

1.1 Need Identification

A number of students miss out on important information that is being circulated within an institution if they are not paying attention or miss out on classes.

1.2 Problem Identification

Missing out on this information causes a lot of issues for them such as missing::

- Placement drives

- Events

- Tests

- Submissions

1.3 Tasks Identification

The major tasks include ::

- Generating a data-bank using institute's site

- Generating a data-bank using institute's noticeboards

- Regularly updating the data-bank

- Providing a user-friendly way to convey this information to the relevant people.

- Providing a way to personalize the information to the user.
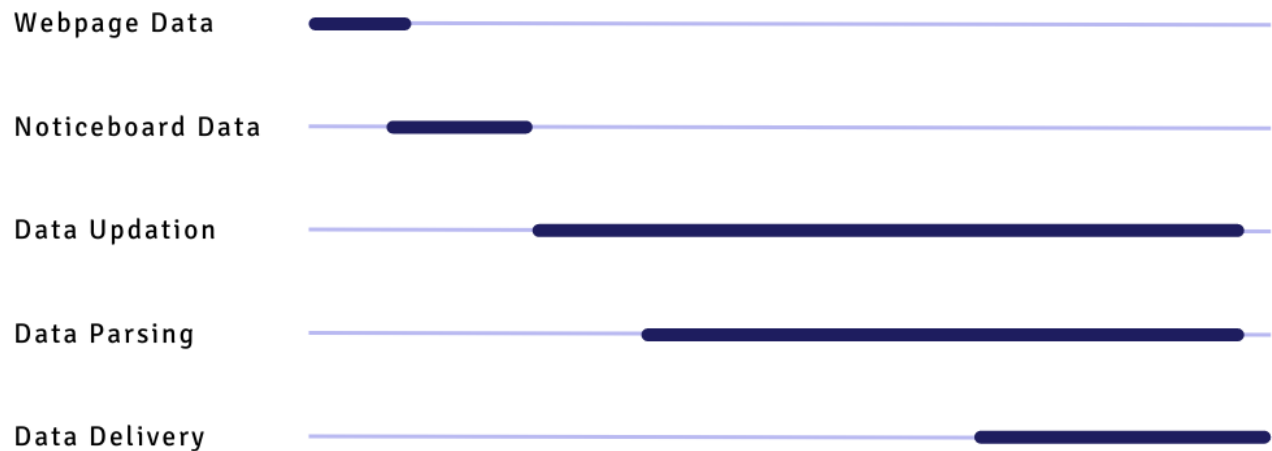
1.4 Timeline

Figure 1: Timeline

1.5 Organization of Report

1. Literature Survey :: Includes information about similar previousp projects.

2. Design Flow :: Discusses the design decisions taken during the project building.

3. Result Analysis :: Discusses the methodology adopted for the project.

4. Conclusion :: Discusses the conclusion of the project and its future aspect.

LITERATURE SURVEY

2.1   Timeline of the reported problem

2.2   Proposed Solutions

2.3   Bibliometric Analysis

2.4   Review Summary

2.5   Problem Definition

2.6   Goals

DESIGN FLOW

3.1   Selection of Features

3.2   Design COnstraints

3.3   Feature Analysis

3.4   Design Flow

3.5   Design Selection

3.6   Implementation Plan

RESULTS ANALYSIS AND VALIDATION

4.1 Implementation

CONCLUSIONS

5.1   Conclusion

5.2   Future Work

REFERENCES

APPENDIX

USER MANUAL