**A Project Report**

On

**COLLEGE ENQUIRY CHATBOT**

Submitted in partial fulfillment of the requirements for the

award of the degree of

**Bachelor of Computer Applications (BCA)**

**in**

**Session: 2019-22**

**By**

**STUDENT1, REG ID: RITIKA RANA, 19BCA1126**

**STUDENT 2, REG ID: ATHARV, 19BCA1132**

**STUDENT 3, REG ID: PRABHAT Kr. CHAUDHARY, 19BCA1172**

**Supervised By**

**Ms. Nidhika Chauhan**

Assistant Professor



**University Institute of Computing**

**CHANDIGARH UNIVERSITY, GHARUAN, MOHALI, PUNJAB,140413**

**Project Coordinator Head-UIC**

Table Of Index

[1. Introduction to Project 3](#_Toc81642496)

[2. Gaps of Existing System 3](#_Toc81642497)

[3. Features of the Project 3](#_Toc81642498)

[4. Objectives of the Project 3](#_Toc81642499)

[5. Scope of the Project 3](#_Toc81642500)

[6. Project Methodology 3](#_Toc81642501)

[7. Tools, Hardware & Software Specification 4](#_Toc81642502)

[8. Planning & Requirement Gathering 4](#_Toc81642503)

[9. Software Requirement Specification (SRS) 4](#_Toc81642504)

[10. Feasibility Study 4](#_Toc81642505)

[11. Data Flow Diagram (Overall System) 5](#_Toc81642506)

[12. Work Progress as Per Timeline 5](#_Toc81642507)

[13. Expected Outcome 5](#_Toc81642508)

[14. References (APA Format) 5](#_Toc81642509)

# **Introduction to Project:**

* The college enquiry chat-bot project is developed exploitation algorithms that analyze user queries and perceive user message. This technique may be a internet application that gives answers to the student's question. Students would like solely question through the bot want to chat.

* The sample application is developed using Python Kernel and XML’s Artificial Intelligence Markup Language(AIML) along with a database file which stores the name, e-mail, and password to tell the GPA of a student. It is accessed using MYSQL. The front end of the project is designed using HTML, CSS and JavaScript.

# **Gaps of Existing System:**

Instead to visiting lots of website to search for a particular information one can visit college inquiry chat-bot and can get all the minor info they need.

With the help of chat-bot they can ask their queries. Random asked questions is already been added to chat-bot.

Further as we know while visiting many website to get exactinfo we need to wonder so many website and while doing this we waste lots of our precious time spending it on opening website which don’t even need many advertisement which we don’t need so college enquiry is hustle free and easy to operate by anyone.

It is developed keeping in mind all the constraints faced by students.

# **Features of the Project**:

* Uniqueness is the chat bot will have a website which will work like an encyclopaedia of the colleges and university information i.e. College Wikipedia.
* Looking onto the technological point of view, a chatbot only represents the natural evolution of a Question Answering system leveraging Natural Language Processing (NLP). Formulating responses to questions in natural language is one of the most typical Examples of Natural Language Processing applied in various enterprises’ end-use applications.
* How a Chat bot Works: As you can see in this graphic, a chatbot returns a response based on input from a user. This process may look simple; in practice, things are quite complex.
* In chat bot we have tried to include as much as random questions asked by students as many as we can in the chat bot to clear queries in no time . Chat bot is easy to use and understand.
* This project is built keeping in mind the importance of time in students life . Info provided in this website is accurate . Without wasting much time searching and scrolling website our website will provide all the information related colleges- includes reviews , college images and much more !

# **Objectives of the Project :**

Objective is to facilitate the student and the upcoming generation knowing about the best college or the university without going through many different website getting everything on one platform.

Looking onto the today's framework and the confusion raised in the mind of students regarding the best colleges or universities for their respective courses this chat-bot come website has been designed to overcome this problem or the confusion from the mind of the upcoming engineers, CA, and many more.

Another important objective to develop the College Enquiry Chat-bot is to avoid going through many website this will take the user directly to the right page or official website of the college or university

# **Scope of the Project**

The college enquiry chat-bot project is developed exploitation algorithms that analyze user queries and perceive user message.

The program responds to the student’s question with the assistance of algorithms.

To facilitate the student and the upcoming generation knowing about the best college or the university without going through many different website getting everything on one platform.

Looking onto the today's framework and the confusion raised in the mind of students regarding the best colleges or universities for their respective courses this chat-bot come website has been designed to overcome this problem or the confusion from the mind of the upcoming engineers, CA, and many more.

Another important objective to develop the College Enquiry Chat bot is to avoid going through many website this will take the user directly to the right page or official website of the college or university

# **Project Methodology :**

# 

# **Tools, Hardware & Software Specification:**

**Languages :**

* **Python**
* **Java**
* **CSS**
* **HTML**
* **JAVASCRIPT**

**Modules:**

* **Dialogflow**
* **Google cloud console API**
* **Actionsdk**
* **Firebase**

**Software:**

* **Visual studio code**
* **Google chrome**

1. **Planning & Requirement Gathering :**

In 21st century as we can see the competition has increased in all the sectors – private or public sector as many students gets confused for the best choice of colleges and universities . This project will resolve issues they face and give better solution .

* It includes – campus , placements , fees etc.
* The chat bot will include top –best colleges and universities in India .
* We have built a website which will support this chat bot .
* Saves time – search for the college and get all the information you need at one place
* Easy to operate – Chat bot is their for you for any queries.
* Minor details about the colleges are included
* If someone asks for some detailed info about any colleges they are provided by the official links of particular colleges .

# **Software Requirement Specification (SRS) :**

* **OS** :An **operating system** (OS) is system software that manages computer hardware and software resources and provides common services for computer programs.
* Nearly every computer program requires an operating system to function.
* An operating system has three main functions
* **manage the computer's resources**, such as the central processing unit, memory, disk drives, and printers,
* Establish a user interface.
* Execute and provide services for applications software.
* Five of the most *common* *operating systems* are **Microsoft Windows, Apple macOS, Linux, Android and Apple's iOS**.
* **Android :**
* Basically, Android is thought of as **a mobile operating system**. It is currently used in various devices such as mobiles, tablets, televisions etc. Android provides a rich application framework that allows us to build innovative apps and games for mobile devices in a Java language environment
* Mention version of android and OS

# **Feasibility Study:**

* Use on what kind of software
* How to use
* Why only on the mentioned software

# **Data Flow Diagram (Overall System) :**

Visitor clicks the bots button

Decision (quick replies)

No

#3“Returns Policy”

#2“Returns Time Limit”

Success

Success

Successs

yes

Success

# “Return a Product”

Send a chat message

Chat with bot ended

Send a chat massage

Send a chat massage

Send a massage

Asks a question

Ask a question

Based on contact property

Ask a question

Send a chat massage

# **12. Work**

# 

# **Progress as Per Timeline :**

|  |  |
| --- | --- |
| OBJECTIVE | Days Required (maximum) |
| Strategy | 7 days |
| Analysis and planing | 7 days |
| UI/UX design | 15 days |
| Information Architecture and Workflow | 7 days |
| Software development ( coding, designing ) | 40 days |
| Testing ( website and chat bot combined working ) | 7 days |
| Modifications (if needed) | 4 days |
| Deployment and Finalizing | 4 days |
| TOTAL DAYS | 91 days |

# **Expected Outcome:**

# **References (APA Format) :**

# [**OS**](•%09https:/www.google.com/search?q=OS&rlz=1C1RFPM_enIN912IN912&sxsrf=AOaemvKZ9uqx-G9wKUauoX8J0bG9R4PERg%3A1631446341398&ei=ReU9YbDfF8WY4-EP5NmaoA0&oq=OS&gs_lcp=Cgdnd3Mtd2l6EAMyBwgAELADEEMyCAgAELADEJECMggIABCwAxCRAjIHCAAQsAMQQzIHCAAQsAMQQzIHCAAQsAMQQzIHCAAQsAMQQzIHCAAQsAMQQzIHCAAQsAMQQzILCC4QgAQQyAMQsAMyEQguEIAEELEDEIMBEMgDELADMg0ILhCxAxDIAxCwAxBDSgUIOBIBMUoECEEYAVAAWABgiKphaANwAHgAgAEAiAEAkgEAmAEAyAEMwAEB&sclient=gws-wiz&ved=0ahUKEwjwlZidq_nyAhVFzDgGHeSsBtQQ4dUDCA4&uact=5)

* [**Android**](•%09https:/www.google.com/search?q=andriod&rlz=1C1RFPM_enIN912IN912&oq=andriod+&aqs=chrome.0.69i59l2j0i10i433l7j0i10.2448j0j7&sourceid=chrome&ie=UTF-8)
* Android image
* [https://www.google.com/search?q=andriod+image&rlz=1C1RFPM\_enIN912IN912&oq=andriod+image&aqs=chrome..69i57j0i10l9.3154j0j7&sourceid=chrome&ie=UTF-8](app)