1. **INTRODUCTION**

**1.1 CHARACTERISTICS OF SYSTEM**

1. The chatbot can prompt the user with a menu of options, sometimes based on previous interactions.
2. When students don’t find what to do after 10th Standard the system can help them with proper guidance for educational streams after 10TH Standard.
3. The system provides all information at one place(about steams, schools/colleges)
4. The system is much efficient to give appropriate guidance to the user via chatbot which works as a virtual guide.
5. The user finds very much convenient to operate this application.

**1.2 OVERVIEW OF SYSTEM**

* The System chatbot for education is designed to help students and other users to find the right stream after their 10th boards. In our System, the special functionality we are providing is the chatbot (A Virtual Guide). A Chatbot will work merely like a computer program that fundamentally simulates human conversations. It will allow a form of interaction between human and machine which will happen via messages. The chatbot we are providing is capable of interpreting messages and replying the user based on a combination of predefined scripts and the user input message/s.
* Other Functionalities we are providing are helpful for the User(Students ) to find the best College Suitable for their chosen stream. The System is user friendly. The users can even give any kind of suggestions if they have through the FAQ Section. Moreover, the system consists of various functions like search filter, user profile update, privacy settings, display settings and FAQ for user convenience
* Thus, the system is all about helping the user(student) to find the right path with the most suitable school/College in the best way.

**1.3 Scope (Scope-List of modules and their functions)**

* This application is mainly useful for parents/students who are puzzled about the stream they want to choose form. This application will help then to identify their interested stream based on their criteria and their area of interest.
* This application is made under easy to use environment (the user will not have to suffer to find out their use full options).
* This application assembles all the information about streams, schools and colleges at one place.
* The user can register with basic details like their email id and name. Now user can use all the basic functions of the application.
* Using this application the user will get seamless experience while accessing the content and data about college like College name, College address, Year of establishment, Title of the courses offered, Infrastructure/Teaching Facilities, URL of college's Website.
* The user gets virtual experience about the campus they searched for(i.e. images, VR, videos, etc.).
* This application will prompt users several suggested queries accordingly to their previous conversations. User can select the option according to their query or can raise a new query and get the output of his/her query.
* This system is much efficient to provide proper guidance to the user with a Chabot named *Demo* which will interact with the user to solve their queries related to choosing their stream or doubts about their chosen stream.

**1.4 Process Model**

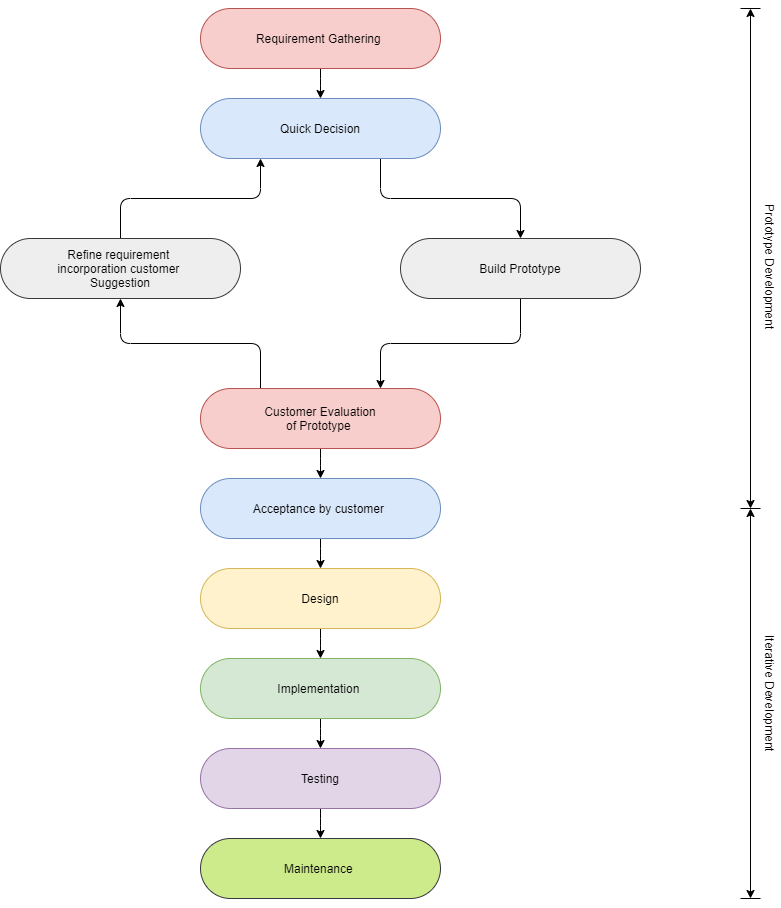
The Process Model that is being used in building this system is the **Prototype Model.**

**Prototype Model:**

The prototyping model is defined as the process of developing a working replication of a system that has to engineered.

Why we have chosen Prototype Model?

* Requirements are being added at each stage.
* Missing Functionalities and errors can be easily detected.
* As there can be fewer chances of error the overall time to build the project reduces.
* Prototypes can be reused in future.
* For getting a better understanding of the project.
* No later changes, more number of changes will be adapted during each phase of prototype preparation.



**Fig.** **Prototype Model**