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AI Chatbot for Career Consultancy

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ABSTRACT: Choosing your career path is a very momentous decision because it decides the future course of your professional life. The major problem identified is that nowadays many students face Guidance's problem. We created a Chatbot "Krishna – The Career Guidance Chat Bot" which helps the students guide education and career. There are not many projects on this topic, but only one or two are there. But none of them provide guidance and counseling in education & career track in the same Bot. Career counseling bot aims to carry out a conversation between humans and machines. Some knowledge has been embedded into the device to identify the sentences and decide itself as response to answer a question. It is not just limited to one subject related guidance Instead, that student mainly faces the problem of decision making, career path selection, confusion in choosing the career track, and what I should do after 12th. In most probability, you are likely to consider a career that your friends or classmates have chosen or your parents' desire. And some are not even aware of the existing career fields. The Solution to this problem is "Krishna – The Career Guidance Chat Bot"

KEYWORDS: Chat bot, Career Guidance, counseling

I. INTRODUCTION

Often, students find themselves creating a wrong career selection that they regret later and can't do a lot of concerning it. to form certain you are taking a rational and well-thought call, we tend to accompany the three biggest challenges you'll face. Lack of Guidance: each student has his or her power and career preference and thence desires bespoke counsel. There are few reliable career steering counsel mentors, websites, or physical centers that investigate this facet. Peer and Parent Pressure: you feel that your peers are creating the proper career selection, or your folks understand what's best for you. To contend with your friends or make your folks happily, you finish up with a wrong career. Salary-Driven Decisions: several students opt for a career supported however well it'll pay or whether or not it will land you a distant job. There can't be an additional irrational logic than this parameter to decide your career. You think that a high package or offshore employment is the key to your career success or satisfaction. Well, that's not true. "Krishna – The Career Guidance ChatBot" helps the scholars steer education and career.

II. MODULE IDENTIFICATION

Module 1: Dataset Gathering

- o Creation of self-made Dataset- We have made our own short Conversational Dataset in YML Format.
- o Gather Train Dataset- We have used QuAC Dataset for training of our model. It consists of more than 30,000 Question and Answers to train the model.
- o Data Pre-processing and Dataset Void Filtration

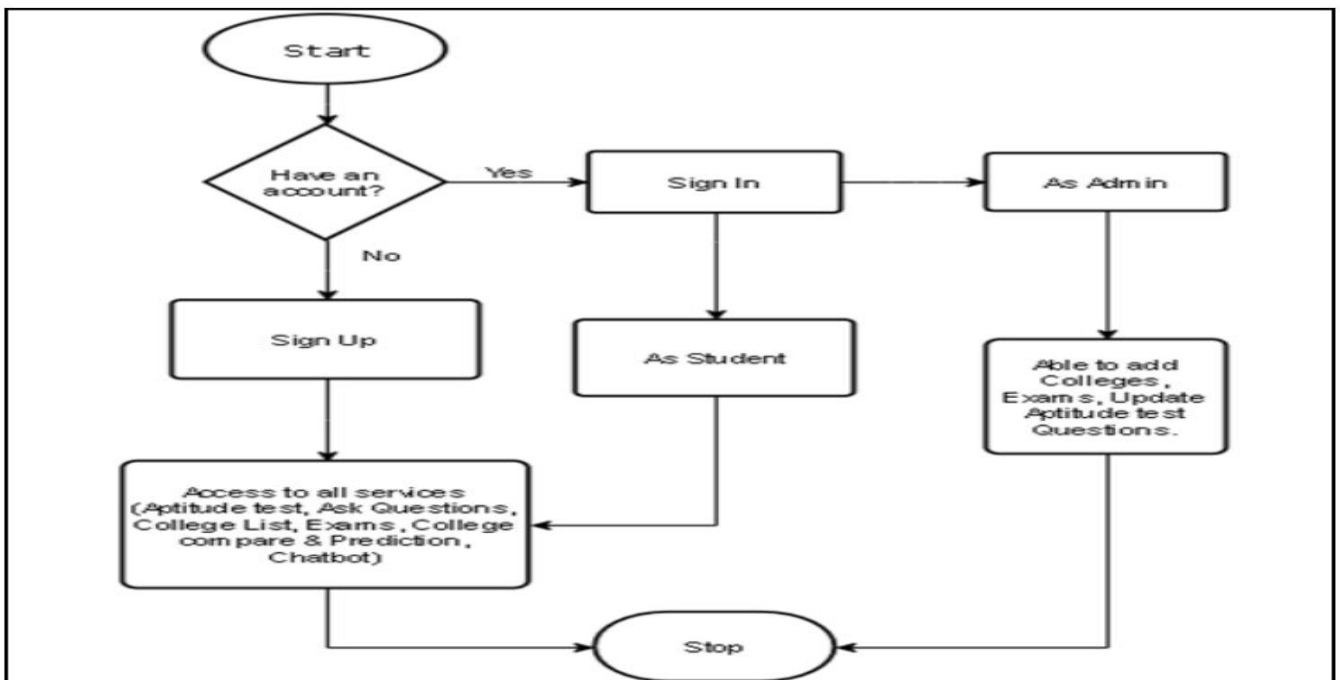
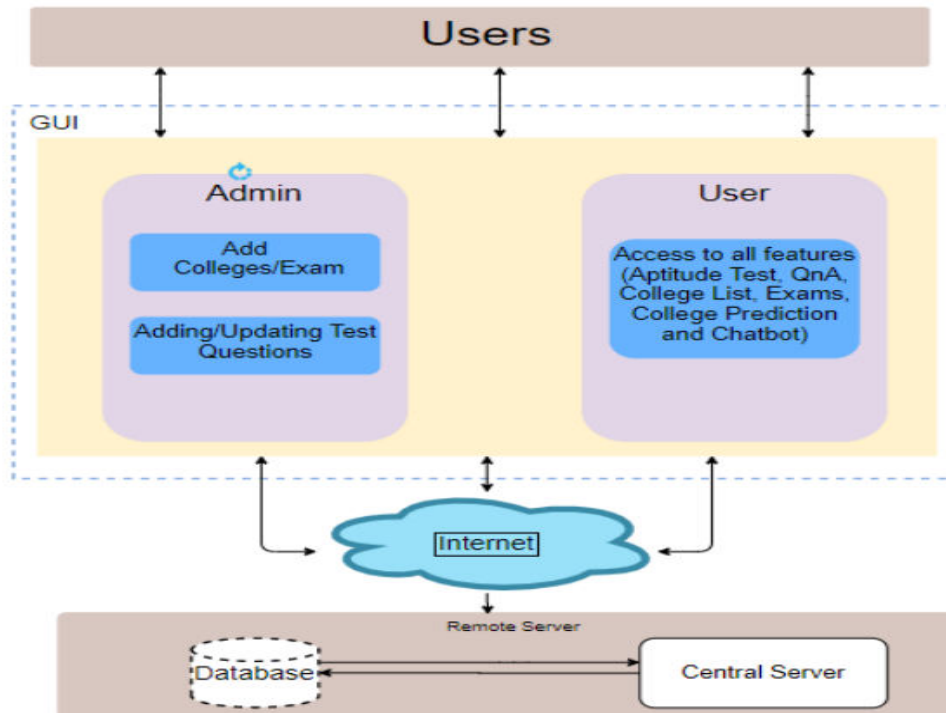
Module 2: Chat-Bot Training/Testing and Website Integration

- o Train Chatbot - By the help of QuAC Dataset, we have train our chatbot.
- o Frontend Designing – With the help of HTML, CSS, and BOOTSTRAP, we have designed our frontend.
- o Integrate chatbot with Website (Deployment): - We have developed the application using Flask framework and integrate it with webpage.

Module 3: Chat-Bot Testing

- o Check whether our chatbot replying correctly.
- o Check whether our chatbot perfectly integrate with webpage or not

III. ARCHITECTURE DIAGRAM





IV. SCOPE

The aim of career counseling bot is to carry out a conversation between both human and machine. Some knowledge has been embedded into the machine so that it identifies the sentences and making a decision itself as response to answer a question. The response principle is to extract the tokens from the sentence process on that find the goal of sentence by matching the input sentence from user. The bot will help the users who have passed SSC and HSC to select their field of interest or a field that would be best for them in order to build up their future.

V. RELATED WORK

This is a JavaScript Web SDK for Dialog flow. Dialog flow processes a natural language query and returns structured, actionable data as a result. It is an end-to-end development suite for building conversational interfaces for websites, mobile applications, popular messaging platforms, and IoT devices that is powered by machine learning. Dialog flow enables users with ways to interact with products by building voice and text-based conversational applications. It consists of: Bot Response-The answer given by the bot as the intent with context is matched.

VI. CONCLUSION

Our system will establish an automated process similar to a one-to-one meeting with a career counselor and will aid to 'plan' a career true to the student's grade, IQ, hobbies, interests, and other predominant specifications entered by the user at the time of registration. We aim at achieving optimum results in the time we have, as we believe that this app will be a boon to all those people out there who are at their major crossroads in life, striving to know in which stream and domain their strengths lie, and what all career options are awaiting them.

REFERENCES

- [1] Samuel T. Gladding Counselling- A Comprehensive Profession; Pearson Publication, Seventh Edition.
- [2] JoAnn Harris-Bowlsbey, Ed.D., Kuder Research Faculty "Overview of Career Guidance: Its Foundations, Objectives, and Methodology", White Paper, Kuder.
- [3] H. Al-Zubaide and A. A. Issa, "OntBot: Ontology Based Chatbot," Proc. IEEE of 2011 Fourth International Symposium on Innovation in Information & Communication Technology (ISIICT),2011,pp.7-12, doi:10.1109/ISIICT.2011.6149594..
- [4] Y. Wu, G. Wang, W. Li, and Z. Li, "Automatic Chatbot Knowledge Acquisition from Online Forum via Rough Set and Ensemble Learning," Proc. IEEE of 2008 IFIP International Conference on Network and Parallel Computing, 2008, pp. 242-246, doi:10.1109/NPC.2008.24.



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