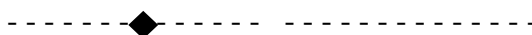


Insights on Women Empowerment and Student Scholarship Schemes through Chat-Bot

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Abstract - India is been a Nation of Development where Women is treated as a Enlighter of World. With this insight we have developed an Software application which details about the Different schemes enriching women Development one such application is a Chat-Bot which mainly highlights on conducting an online chat conversation via text, instead of providing direct contact with a live human agent. Designed to convincingly simulate the way a human would behave as a conversational partner. In the proposed system it provides information about the various women empowerment schemes and students scholarship schemes for students and women in India. The highlighted schemes are Beti Bachao Beti Padhao, One Stop Center, Sukanya Samridhi Yogana, NMMS, AICTE, L'oreal.

Index Terms - chatbot, artificial intelligence, machine learning, web-based, computer mediated communication.



1. INTRODUCTION

Women are a power of knowledge, enlightenment, gracefulness and a moral to the world. To develop Women in the global world plays a very important role. To grace a path towards this we have developed a software ERIC-BOT which is a chatbot software application used to conduct an online chat conversation by providing direct contact with a live human agent. Designed to convincingly simulate the way a human would behave as a conversational partner. ERIC-BOT is a chatbox developed in the aim to reduce human work. A chatbox is a means of communicating with a real person behaving like a human. Helping to empower women by providing schemes for the education of women. Considerably making fewer errors. The importance of chatbox lies in the fact that it is often described as one of the most advanced, accurate, and pleasing expressions of interaction between humans and machines. Chatbox typically provides information of schemes provided to the student and

women empowerment, allowing the user to type commands and receive text as well as text to speech response.

2. SCHOLARSHIP AND WOMEN EMPOWERMENT SCHEMES

Different empowerment schemes could be either central, state specific, or a joint collaboration between the centre and the states. In this section, we have attempted to provide you with easy and single point access to information about several women empowerment and student scholarship schemes. A scholarship is an award of financial aid for a student to further their education at a private elementary or secondary school or private or public post-secondary college, university or other academic institution. Some of the main schemes provided by the Indian government are mentioned below-

2.1 Beti Bachao Beti Padhao.

2.2 One Stop Center.

2.3 Sukanya Samridhi Yogana.

- 2.4 NMMS scheme.
- 2.5 AICTE scheme.
- 2.6 L'oreal scheme.

2.1 BETI BACHAO BETI PADHAO

Government launched the Beti Bachao Beti Padhao (BBBP) on 22nd January, 2015 at Panipat in Haryana. It is a tri-ministerial effort of Ministries of Women and Child Development, Health & Family Welfare and Human Resource Development. The objectives of the Scheme are as under. To prevent gender biased sex selective elimination to ensure survival and protection of the girl child

2.2 ONE STOP CENTER

It is a sub-scheme of the umbrella scheme for National Mission for Empowerment of Women including Indira Gandhi Matritav Sahyaog Yojana. One stop centre, will be established across the country to provide integrated support and assistance under one roof to women affected by violence, both in private and public spaces

2.3 SUKANYA SAMRIDHI YOJANA SCHEME

Sukanya Samridhi Yojana is a small deposit scheme of government of India meant exclusively for a girl child and is launched as a part of Beti Bachao Beti Padhao campaign. This scheme is meant to meet the education and marriage expenses of a girl child.

2.4 NMMS SCHEME

National Means-Cum-Merit Scholarship is a Centrally sponsored scholarship scheme. It is implemented by the Department of School Education & Literacy under the Ministry of Human

Resource Development with the objective to financially support the meritorious students of economically weaker sections of the society. NMMS encourages disadvantaged students to continue their studies at the secondary level by offering a scholarship amount of INR 12,000 per-annum.

2.5 AICTE SCHEME

The All India Council for Technical Education (AICTE) is an apex national-level advisory body for imparting technical education in India. It not only provides accreditation to colleges and institutions involved in technical education but also offers a number of scholarships and fellowships to students who are willing to pursue a technical degree course.

2.6 L'OREAL SCHEME

L'Oreal India invites applications from young women who have passed Class 12 in 2020 and wish to pursue higher education in science, for L'Oreal India For Young Women In Science Scholarships 2020. The scholarships will be granted to promising young women who are economically disadvantaged.

3. LITERATURE SURVEY

Chat-bots, or conversational interfaces as they are also known, present a new way for individuals to interact with computer systems. Traditionally, to get a question answered by a software program involves using a search engine. A chat bot allows a user to simply ask questions in the same manner they would address a human. The most well-known chat bots currently are voice chat bots like Alexa and Siri. Currently, chat bots are currently being adopted at a high rate on computer chat platforms. The technology at the core of the risk of the chatbot is Natural Language Processing

(NLP). Recent advances in machine learning have greatly improved the accuracy and effectiveness of natural language processing, making chatbots a viable option for many organizations. This improvement in NLP is firing a great deal of additional research which should lead to continued improvement in the effectiveness of chat bots in the years to come. Chat bots can reach out to a large audience on messaging apps and be more effective than humans. They may develop into a capable information-gathering tool in the near future. The aim of the present studies is to create a chat bot with different features, and information regarding different algorithms based on natural language processing. Chat bots are based on AI techniques that understand natural languages, identify-meaning, design for meaningful responses and emotions. However, it is not easy to achieve these functionalities as it requires various complex interactions between systems. A multi-expert system for enquiring about educational and women empowerment schemes, where the clients or users can put forth their queries seeking for the information about any schemes they would like to know about. The aim of this website based chat bot is to provide information for students of all fields like Pre-University, Degree, Masters and create awareness among women to make use of the government schemes that help in uplifting their social and financial status for the betterment.

4. CONCLUSION

In this paper, we mainly focused on providing the insights required for the empowerment of Women via a web-based chat tool designed for seeking information about women empowerment schemes and scholarships schemes in India in Computer Mediated

Communication (CMC), Human - Computer Interaction (HCI) and Natural Language Processing (NLP). In future work, we plan to add links in registering for the schemes via the chat bot and add in-voice features to make a better experience for our users.

5. REFERENCES

1. A Platform for Human-Chatbot Interaction using Java.
2. Feedback-Based Self-learning in Large-Scale Conversation AI agents -arXiv.org,2019,
3. <https://medium.com> .
4. Enriching Conversation Context in Retrieval-based,Chat-bots- arXiv.org, 2019 <https://medium.com>
5. Chat-Bot Kit: A web-based tool to simulate text-based interactions between humans and with computers - arXiv.org, 2019.
6. Unsupervised Context Rewriting for Open Domain Conversation - arXiv.org, 2019.
7. NeelKumar P.Patel, Devangi R Parikh, "AI and Web-Based Human-Like Interactive University Chat Bot (UNIBOT)". IEEE,2019.
8. Accenture, Accenture Interactive: Chatbots in Customer Service 2017.
9. Nimavat K, T.Champaneria, Chatbots: An overview.Types, Tools, Future Possibilities and Architecture - 2017.
10. Goggle Dialog flow 2010 ; available from - <https://www.dialogflow.com> .
11. Government Schemes and Policies for Girl Child and Women Empowerment- <https://www.bbau.ac.in> .
12. Students Development schemes, Government of India - <https://www.aicte-india.org> .
13. Easy Tutorials - YouTube.

