

# RESEARCH SELECTION EXPERT SYSTEM

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Introduction



Chatbot Development



Deveopled Chatbot

## INTRODUCTION

Research Selction Expert System is a project to develop four IBM Watson Assistant or Chatbots for WelTec's Management. We are four team members and each team member developed indiviual chatbot.

Details of chatbots:

Chatbot for Project Selection: Our first Chatbot is for project students to find a project of their interest. Developer: Dhinakar.

Chatbot for Research Topic Section: Second Chatbot is for research students, to help them in finding a research topic of their interest. Developer: Jaideep Singh

Chatbot for BIT Eligibility Check: Third chatbot is only for BIT students to check their graduation eligibality, they can check if they are eligible graduate in perticular majors or not. Developer: Rohan

Chatbot for Enrolling in Graduate IT programmes: Fourth chatbot is to help students before enrolling in Graduate IT programmes. Developer: Avneet Kaur

The management/reception staff spends so much of their time in answering students queries. So these chatbots would help them to save their time and would also be helpful for students.

## DEVELOPMENT

Demo: Before the development of these four indiviual chatbots the client's requirement was to make a demo. So we prepared a demo chatbot for WelTec free bus service and then we were allocated with four different topics.

All the chatbots are developed with AI, by using the tool IBM Watson Assistant. The same process is followed for the development of each chatbot. We followed the IBM course methodology to develop these chatbots, which is similar to Waterfall methodology.

Requirement gathering, the first step, we collected the requirements from client first. We worked on four different products so we dealt with clients indiviually and all the chatbots are for students so the students requirements were also gathered with a questionnaire.

According to the requirements, we created the four watson assiatants. In the design process we used analysed data collected through questionnaire and also provided by client. Three main elements used to create chatbots are: intents, entities and dialogs.

After the development of chatbots, the chatbots integration was done with a dummy website just to show it as a sample for client.

Lastly, testing of the products is done at its preview link. All the functions of the chatbots are tested.

## CONCLUSION

These four chatbots are for four different purposes. So with the use of these chatbots Management team can save their time and students can select the project of their interest, research student can find the topics of their interest, BIT students can check their eligibality of graduation and students who wants to get admission in Graduate IT programmes at WelTec, they can check the required information with the help of one of our chatbot.