

Development of a Natural Language Processing Powered Chatbot for Baze University

(Approved Final Year Project Proposal)

By

Mohammed Bello Adamu(BU/22C/IT/7091)

Faculty of Computing and Applied sciences Baze
University Abuja,
Nigeria.

Supervisor:

Dr .Usman Abubakar

Faculty of computing and Applied sciences.

Baze university Abuja, Nigeria.

Septmber,2023.

Development of a Natural Language Processing Powered Chatbot for Baze university

1.0. Introduction:

A natural language processing chatbot is a software program that can understand and respond to human speech. Bots powered by NLP allow people to communicate with computers in a way that feels natural and human -like-mimicking person-to-person conversations. These clever chatbots have a wide range of applications in the customer support sphere (Pollock, 2023).

In today's digital age, Baze university needs to enhance their online presence and provide efficient communication channels for students, faculty, and visitors.

1.1. Aim and Objectives

The aim of this project is to develop a sophisticated chatbot that leverages natural language processing(NLP) and AI capabilities to improve user engagement and support on Baze university's website.

The objectives are:

1. To create an intelligent chatbot capable of understanding and responding to natural language queries.
2. To implement AI-driven functionalities for personalized user interactions.
3. To integrate the chatbot seamlessly into Baze university's website.
4. To enhance user experience by providing quick and accurate information.
5. To generate insightful analytics to improve the chatbot's performance over time.

