

# CHATBOT WITH WATSON

CHATBOT DEPLOYMENT WITH IBM CLOUD WATSON ASSISTANT

PHASE 2

## TEAM DETAILS:

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## OBJECTIVE:

- The project involves creating a chatbot using IBM Cloud Watson Assistant. The goal is to develop a virtual guide that assists users on messaging platforms like Facebook Messenger and Slack.
- The chatbot should provide helpful information, answer frequently asked questions (FAQs), and offer a friendly conversational experience. The project includes designing the chatbot's persona, configuring responses, integrating with messaging platforms, and ensuring a seamless user experience.



## Innovation:

Develop a Facebook chatbot that leverages IBM Watson's natural language processing and machine learning capabilities to act as a personal coach. This chatbot will help users set and achieve personal and professional development goals, providing guidance, motivation, and tracking progress.

- Goal Setting and Tracking
- Personalized Content
- Skill Development
- Career Development
- Data Security



## **1.Goal Setting and Tracking:**

- Users can set specific goals (e.g., fitness, career, relationship) within the chatbot.
- The chatbot will track progress and send reminders to keep users on track.
- It can provide motivation and suggestions based on the user's progress and personality analysis.

## **2.Personalized Content:**

- The chatbot can curate and recommend articles, videos, and books related to personal growth based on the user's interests and goals.

## **3.Data Security and Privacy:**

- Ensure users' data privacy and comply with Facebook's and IBM Watson's data protection guidelines.



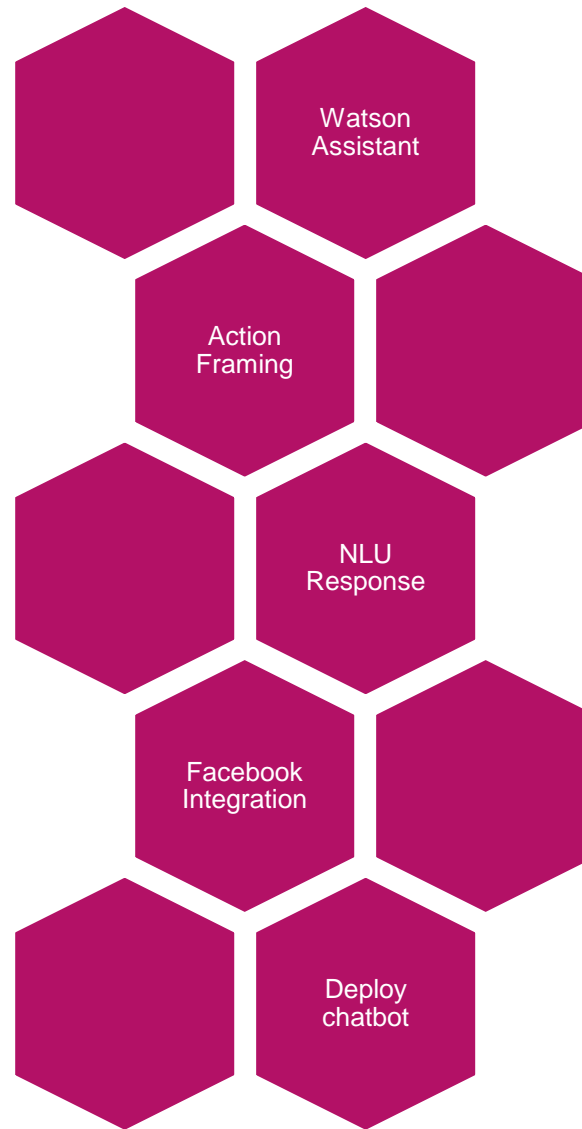
#### **4.Skill Development:**

- It can offer mini-courses or challenges to help users acquire new skills, such as time management, communication, or meditation.
- Provide feedback and assessment on skill development.

#### **5.Career Development:**

- Assist with career-related tasks, like resume building and interview preparation.
- Share job openings or freelance opportunities based on the user's skills and preferences.

## FLOWCHART:





## **PROCEDURE:**

### **Watson Assistant:**

- Creation of Instant for the Watson Assistant.
- Complete the process of setting up the Watson assistant to your recourse list.
- Reply will take place both in text oriented and GUI(Graphic User Interface)oriented.



# Action Framing

- Frame actions to the each and every possible questions about the Facebook and its FAQs.
- These actions will perform the response to the user based on their queries.



Hey, how can I help?

Who is the current captain  
of Indian cricket team?



Rohit Sharma!  
To know more about him  
visit the Wikipedia!

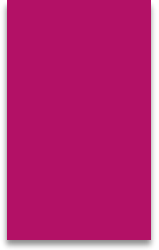
Ok!





## Natural Language Understanding

- It can improve the accuracy and relevance of the responses by taking into account the user's goals, preferences, emotions, and context.
- It can handle complex and ambiguous queries that may involve multiple intents, negations, modifiers, or references.
- It can enable more natural and conversational interactions with the users by using natural language generation (NLG) to produce human-like responses.



## Facebook Integration

- Create a Facebook developer account for chatbot integration.
- Create a Facebook page for the chatbot messenger.
- Generate token for that page and link that token with IBM Watson Assistant.
- Link the chatbot with the Facebook with private key/token.
- Follow the instructions that are provided by IBM on the screen to complete the integration process.



## Deploy chatbot

- Chatbot will finally deployed in the Facebook.
- User need to search for the chatbot page.
- Ready to use for the users to interact with the chatbot.

**THANK YOU!**