**Project Proposal**

**Project Title: Weather Chatbot Using RASA framework**

**Team Members:**

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**Goals and Objective:**

**Motivation:**

The motivation of this project is tocreate a simple weather chatbot that can help your users answer questions and can respond appropriately in regards to the current weather, temperature, and humidity when being asked by the users using RASA Framework.

Our goal is also to create a simple interface that allows users to input a weather query and fetch a weather timeline forecast across any location.

**Significance:**

Accurate weather forecasting is a requirement for worldwide industries such as disaster management, agriculture, air transport, and retail. Traditional weather forecasting approaches relied on human intellect to deduce complex statistical data such as satellite imaging and precipitation reports, among other things. Human sluggishness and a lack of precise data analysis, on the other hand, have prompted company executives to investigate artificial intelligence services for this industry. Speculators believe that AI weather forecasting can save significant prediction time, which has a long-term impact on corporate efficiency and growth.

**Objectives:**

The following are the objectives of this project:

1.​​Create and deploy our weather chatbot. When users inquire about the current weather, temperature, and humidity, you may utilize a chatbot to assist them in answering their questions.

2. Create an easy-to-use interface that allows users to enter a weather query and retrieve a weather timeline forecast for any place.

**Features:**

1. Advanced messaging features
2. Audio Output

**Github Link:**

https://github.com/Seemaparvez17/NLP-Project

**References:**

# Developing FB Chatbot Based on Deep Learning Using RASA Framework for University Enquiries

<https://arxiv.org/abs/2009.12341v1>

1. Adapting a Conversational Text Generator for Online Chatbot Messaging

<https://www.researchgate.net/publication/332487490_Adapting_a_Conversational_Text_Generator_for_Online_Chatbot_Messaging>