**Group Number:** 10

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| **Roll No** | **Name** | **Contribution** |
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**Project Title:** HealthCare chatbot with Symptom analysis using NLP and Machine Learning

**Problem Statement:**

In the current healthcare landscape, accessibility to reliable medical information remains a significant challenge. Patients often face long wait times, geographic barriers, and the inability to promptly access accurate medical advice. Amid these challenges, the absence of a robust, AI-driven system capable of swiftly identifying and triaging patients' symptoms for accurate diagnoses impedes the delivery of timely and effective healthcare. This lack of immediacy and accuracy contributes to patient dissatisfaction and delays in seeking appropriate medical assistance. Addressing this, our project aims to develop an intelligent healthcare chatbot utilizing Natural Language Processing (NLP) and machine learning technologies. The primary objective is to bridge the gap in medical accessibility, offering patients a reliable, round-the-clock source for symptom analysis, medical guidance, and streamlined access to appropriate healthcare services. By harnessing AI and machine learning, the chatbot will provide users with the necessary information, aiding in better understanding their health conditions and enabling them to make informed decisions about seeking medical care. The chatbot's capability to swiftly analyze and process symptoms, coupled with a user-friendly interface, will significantly contribute to an enhanced healthcare experience. This approach will alleviate the burden on healthcare providers, particularly in scenarios where patients seek immediate attention or preliminary advice, enhancing the efficiency of the healthcare delivery system.

**Technology Details:**

Category -1 (Web Application)