**Title of the Project:** Learning App for Deaf and Mute and sign language-English/Gujarati converter

**Domain of the Project:** Android Mobile Application

**Source of the Problem:** SIH1648/National Council of Science Museums /Ministry of Culture

###### Abstract: - India, with a rich heritage of floral diversity, is well-known for its medicinal plant wealth, but their identification is one of the major burning issues in Ayurvedic Pharmaceutics. Several crude drugs are being sold under the same name in the market leading to confusion and their misidentification.

###### Thus, software capable of identifying different medicinal plants/raw materials through Image Processing Using Different Machine Learning Algorithms will be of immense use. It will be helpful at every level viz. wholesaler, distributor, etc. of the supply chain of raw material being utilized in the system.

**Proposed System:**

Background: Visitors to museums often face several significant challenges due to manual ticket booking systems. One prominent issue is the inefficiency and time consumption associated with the process. Long queues are common, especially during peak hours, weekends, or special exhibitions, leading to frustration and impatience among visitors. Besides the wait times, the manual system is prone to errors, such as incorrect ticket issuance, double bookings, or lost records, which can cause further delays and inconvenience. Overall, these challenges associated with manual ticket booking systems significantly detract from the visitor experience, reducing satisfaction and potentially impacting the museum's reputation and visitor numbers. Description: The implementation of a chatbot for ticket booking in a museum addresses several critical needs, enhancing the overall visitor experience and streamlining museum operations. Here are the key reasons for adopting a chatbot ticket booking system: 1. Improved Customer Service 2. Efficient Handling of High Volumes 3. Cost-Effective Solution 4. Data Collection and Analysis 5. Accessibility 6. Reduced Human Error 7. Multilingual Support 8. Enhanced Marketing and Promotion Expected Solution: An efficient and responsive multilingual chatbot based ticketing system that can handle all kinds of bookings from gate entry to shows. Payment gateway should also be integrated to make it fully free from human intervention. It will also provide analytics to aid in more efficient decision making process.

**System Requirements Specifications:** Computer system with minimum 8GB-RAM, i5-Processor, 500GGB HDD, Software- Python, OS-Linux/Windows 10, Anaconda Suite

**Project Scope:** Identifying different medicinal plants and Raw materials using Machine Learning Algorithms to decrease the confusions and misidentifications

**Expected Outcome (Product/Publication/Patent):** A research paper with computational / Patent

**References:**

[1] Panghal, M., Arya, V., Yadav, S., Kumar, S., & Yadav, J. P. (2010). Indigenous knowledge of medicinal plants used by Saperas community of Khetawas, Jhajjar District, Haryana, India. Journal of Ethnobiology and Ethnomedicine, 6(1). <https://doi.org/10.1186/1746-4269-6-4>

[2]Ji, H., Li, X., & Zhang, H. (2009). Natural products and drug discovery. EMBO Reports, 10(3), 194–200. <https://doi.org/10.1038/embor.2009.12>

[3] Kipkore, W., Wanjohi, B., Rono, H., & Kigen, G. (2014). A study of the medicinal plants used by the Marakwet Community in Kenya. Journal of Ethnobiology and Ethnomedicine, 10(1). https://doi.org/10.1186/1746-4269-10-24

Name: Roll Number:

Abhinay Srikanth K 1608-21-733-149

Mohammed Abdul Rahman 1608-21-733-319

B.Kiran Kumar 1608-21-733-192