

# ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (AIML) - PROJECT

## Client Report

### Teams Members:

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### Meeting Schedule and Geotag Photos:

#### 1. First Meeting: Doctor



### Questions asked:

1. What are the most common diseases you encounter in your practice?
2. How do you typically diagnose these common diseases?
3. What symptoms do patients usually report for these diseases?
4. How do you prioritize symptoms when diagnosing?
5. Are there any patterns in symptoms that are often overlooked?
6. How do you differentiate between similar diseases based on symptoms?
7. What role does patient history play in diagnosis?
8. How important is the accuracy of initial symptom reporting?
9. What challenges do you face in diagnosing based on symptoms alone?
10. How can an AI symptom checker assist in the diagnostic process?

**Summary:** The doctor emphasized the prevalence of common diseases such as flu, diabetes, and hypertension. Diagnosis typically involves evaluating patient-reported symptoms, prioritizing them based on severity, and considering patient history. The practitioner highlighted challenges in differentiating between similar diseases and the potential for AI to assist by accurately prioritizing and interpreting symptoms.

## 2. Second Meeting: Nurse

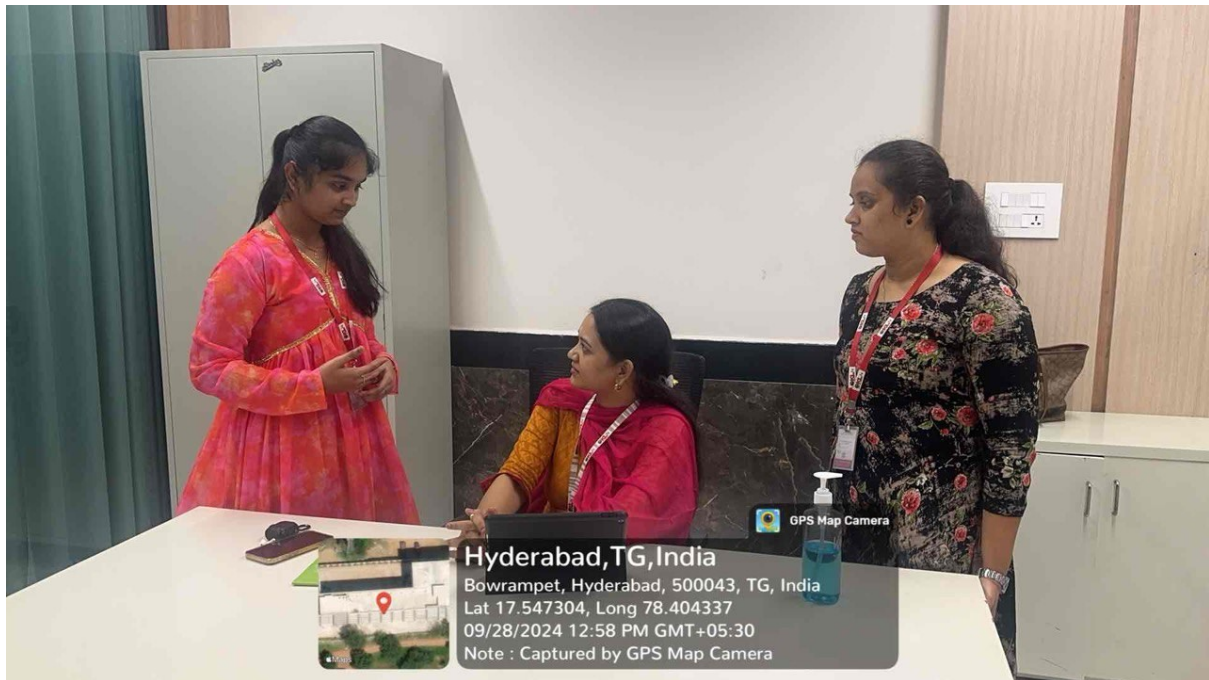


### Questions asked:

1. What initial steps do you take when a patient report symptom?
2. How do you document patient symptoms?
3. What are the most frequently reported symptoms you encounter?
4. How do you communicate symptoms to the attending doctor?
5. What tools do you currently use to record and analyse symptoms?
6. How do you ensure accuracy in symptom reporting?
7. What common errors do patients make when reporting symptoms?
8. How do you handle ambiguous symptoms?
9. What is the role of a nurse in the diagnostic process?
10. How can an AI tool improve the process of symptom checking and reporting?

**Summary:** The nurse outlined the initial steps of patient intake, symptom documentation, and communication with doctors. Common symptoms include pain, fever, and fatigue. Accuracy in symptom reporting is crucial, with common errors being vague descriptions. The nurse sees AI as beneficial for improving accuracy and efficiency in symptom checking and reporting.

### 3. Third Meeting: Senior Doctor



#### Questions asked:

1. How do you approach diagnosing common diseases?
2. What are the key indicators you look for in symptom reporting?
3. How do you validate patient-reported symptoms?
4. What diagnostic tests do you typically order based on symptoms?
5. How do you integrate technology in the diagnostic process?
6. What limitations do current diagnostic tools have?
7. How do you address conflicting symptoms?
8. How do you educate patients about accurate symptom reporting?
9. What is your vision for AI in healthcare, specifically for symptom checking?
10. What data would be essential for an AI symptom checker to be effective?

**Summary:** The senior doctor discussed a systematic approach to diagnosis, focusing on key indicators and validation of symptoms. Diagnostic tests are often ordered to confirm initial assessments. Current limitations include the subjectivity of symptoms and technology integration challenges. AI is seen as a promising tool for enhancing accuracy and efficiency in symptom checking, with essential data being comprehensive and accurate patient symptom reports.



#### 4. Fourth Meeting: Nurse (Follow-up)



#### Questions asked:

1. How do you follow up with patients after their initial visit?
2. What are the most common issues patients report during follow-up visits?
3. How do you track and document changes in symptoms over time?
4. What role does patient feedback play in follow-up care?
5. How do you communicate changes in patient symptoms to the doctors?
6. What tools or systems do you currently use for follow-up care?
7. How do you manage patient expectations during follow-up visits?
8. What challenges do you face in ensuring patients adhere to follow-up recommendations?
9. How do you educate patients on monitoring their symptoms between visits?
10. What features or improvements would you like to see in an AI symptom checker to assist with follow-up care?

#### Summary:

In the follow-up meeting with Nurse, the focus was on the processes and challenges involved in follow-up care. She detailed the importance of tracking and documenting changes in patient symptoms over time, often using both digital tools and manual methods. She emphasized that patient feedback is crucial for adjusting care plans and that effective communication with doctors about symptom changes is essential.