

**Modern Education Society's  
Wadia College of Engineering, Pune**

<b>NAME OF STUDENT:</b>	<b>CLASS:</b>
<b>SEMESTER/YEAR:</b>	<b>ROLL NO:</b>
<b>DATE OF PERFORMANCE:</b>	<b>DATE OF SUBMISSION:</b>
<b>EXAMINED BY:</b>	<b>EXPERIMENT NO: 3</b>

**TITLE : HAND GESTURE / EMOTION RECOGNIZER / CHARACTER RECOGNIZER SYSTEM USING JAVA & ANDROID / PYTHON**

**PROBLEM STATEMENT :** Development of Hand gesture / Emotion Recognizer/ Character Recognizer System using Java and Android/Python.

**OBJECTIVES:**

1. To understand HCI prototyping and implementation
2. To understand UI Software tools and technologies

**OUTCOMES:**

1. Implementation of HCI prototyping
2. Designing and development of UI using portable device

**PRE-REQUISITES:**

1. Knowledge of Java and Android
2. Knowledge about handling errors and using designing help

**APPARATUS:**

**THEORY:**

HCI is a multi-disciplinary research area focused on interaction modalities between human and computer, sometime, the more general term Human Machine Interface (HMI) is used to refer to the user interface in a manufacturing. HCI investigate and tackles all issues related to the design and implementation of the interface between human and computer.

**QUESTIONS:**

1. What are Implementation Tools used in HCI Applications?
2. Which are the various Technologies and Designing Techniques used for the Web Applications along with HCI?
3. How to Design and Implement HCI Project for Portable Devices such as Smart Phones.
4. Write Short Note on
  - a. Handling Errors and Designing Help
  - b. Prototyping and UI Software