USE CASES FOR SKIN CAPTURE

- The main purpose of skin capture is to detect the disease using the image of the skin
- This module provides an interaction between doctor(AI Doctor)and the person (patient)
- Firstly Use Cases is nothing but a tool for capturing functional requirements of system, it describes the conversation between the module and it's user.
- When the user (patient) comes to the module for a check up , the voice assistant assists the user to place the two electrodes either on their fingers or on their wrist.
- To measure the conductivity of the skin between them. When user sweat even sightly the conductivity of their skin changes and also emotional status of the user.
- After the measurements, the voice assistant tells the user to how to remove the electrodes from their fingers or wrist.
- After the above check up the display says the user to place his hand (skin) near to the camera.
  - ➢ Tele medicine
  - ➢ Clinical collaboration
  - ➢ AI powered diagnosis
  - ➢ More connected services, like ambulance
  - ➢ Complete non-invasive process
- The interactive voice assistant will also guide the user to how to show his/her hand to the camera
- Now the camera capture the images of the skin and the voice assistant will say the user to remove the hand and says user to wait for a while
- Internally the captured image is fed to some of the image processing like image analysis using the database provided. Diagnosis is done based on chosen algorithm.
- The output of the diagnosis or process is returned to an AI doctor or a remote doctor
- The result is displayed by the LED and the voice assistant will also read it for the user
- If suppose the printer is used, the prescription provided by the AI doctor is printed and given to the user which is useful for the user to purchase the medicine related to disease or if the user is not having any health issues it shows the checkup results.