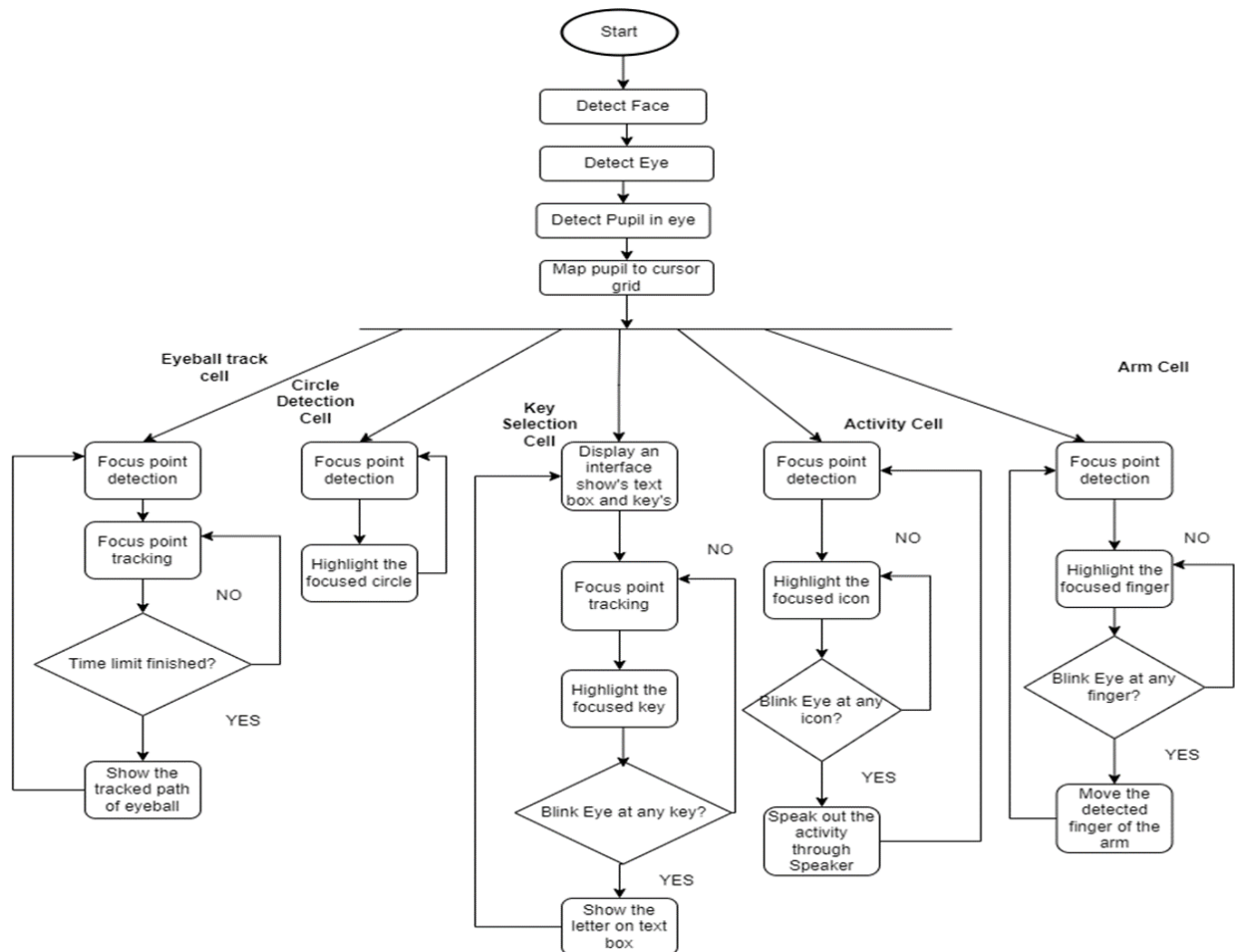**Block diagram of Manipulating Biotic hand using Eye movement :**

Our proposed system is mainly works in different interfaces and controls the robotic hand in different ways.One of the main approach for our diagram is to manipulate the robotic hand with the help of the eye pupil of the paralysed patient.The main conceptual architecture of our system to manipulate the biotic hand using the pupil movement is given below :

Start

Detect Face

Detect Eye

Detect Pupil in eye

Map pupil to cursor grid

Eyeball track cell
- Focus point detection
- Focus point tracking
- Time limit finished? — NO / YES
- Show the tracked path of eyeball

Circle Detection Cell
- Focus point detection
- Highlight the focused circle

Key Selection Cell
- Display an interface show's text box and key's
- Focus point tracking — NO
- Highlight the focused key
- Blink Eye at any key? — YES
- Show the letter on text box

Activity Cell
- Focus point detection
- Highlight the focused icon — NO
- Blink Eye at any icon? — YES
- Speak out the activity through Speaker

Arm Cell
- Focus point detection
- Highlight the focused finger — NO
- Blink Eye at any finger? — YES
- Move the detected finger of the arm

Use Case Diagram :

Use Case Diagram for manipulating biotic hand using eye movement :
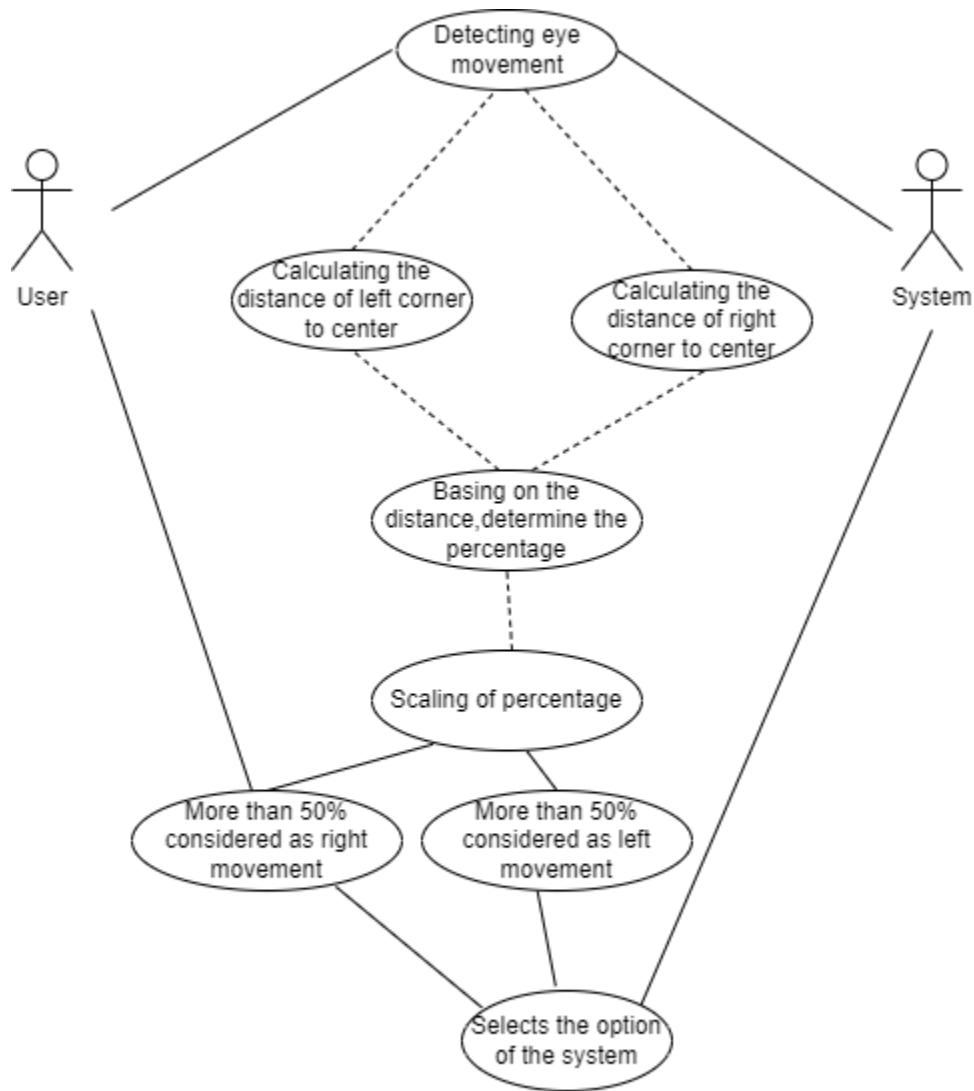
Figure : Use Case Diagram of Eye moment for biotic hand

Actor	Parlayzed User,System
Description	

Data	
Stimulates	
Response	
Comment	

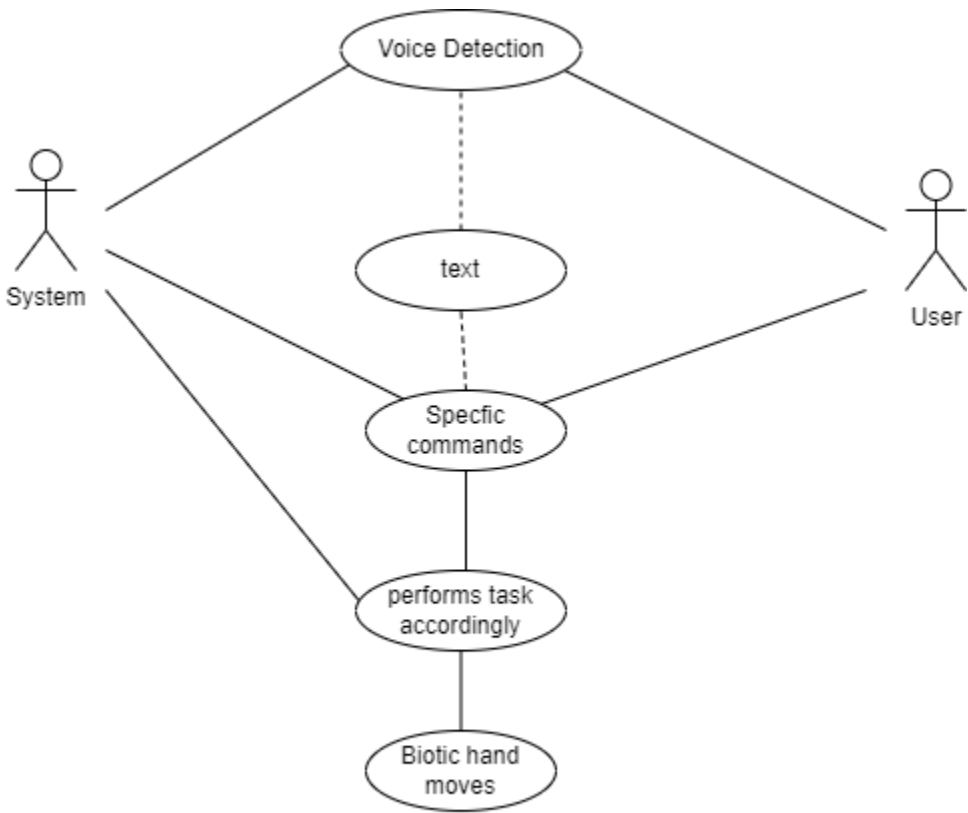**Use Case Diagram for manipulating biotic hand using Voice Commands:**

Figure : Use case Diagram of speech recognition method to move biotic hand

Actor	All type of Disable user,System
Description	
Data	
Stimulates	

Response	
Comment	

Use Case Diagram for manipulating biotic handBy mimicking the unaffected hand :
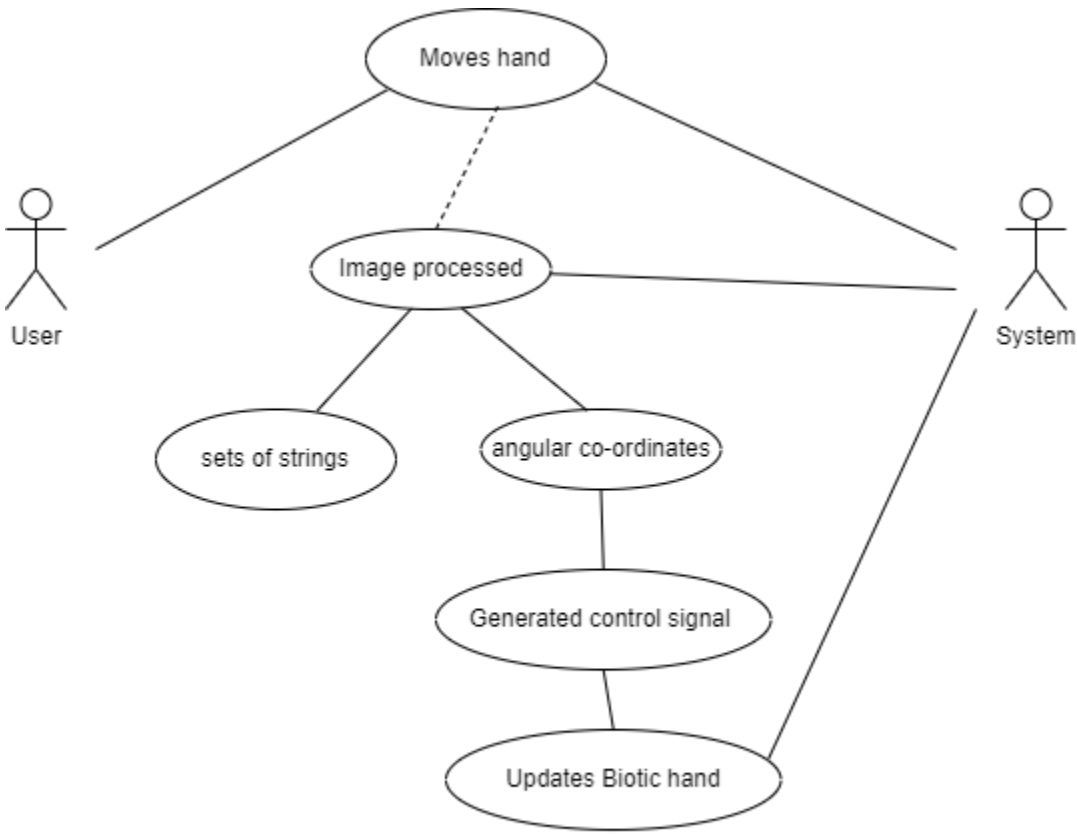
Figure : Use case Diagram of mimcing method to move biotic hand

Actor	User with affected hand,System
Description	
Data	
Stimulates	
Response	
Comment	