





# i4 CARE

**FOR THE VISUALLY CHALLENGED**

Care

# ABSTRACT



- The idea is to aid visually challenged people in the most easiest and comfortable way.
- A simple and efficient way of communication will be established between caretaker and visually challenged person even when the care taker is away.
- The user will convey his thoughts and needs through a single touch input and will be acknowledged for the same.
- Care taker will get intimated about the emergency needs of the patient and will do the needful.

# ULK INTERFACES INVOLVED

- GRAPHICAL LCD
- User input interface
- CHARACTER LCD
- Care taker interface



# ULK GLCD-TOUCH INTERFACING

- This interface is used by the visually challenged person to provide input according to his/her need.
- Left side of GLCD touch will intimate the care taker regarding any emergency needs of the patient.
- Right side of GLCD touch will intimate the care taker for primary needs of user such as food, water etc.
- Once the user touches, he will be acknowledged regarding the corresponding functionality of touch input provided by user.



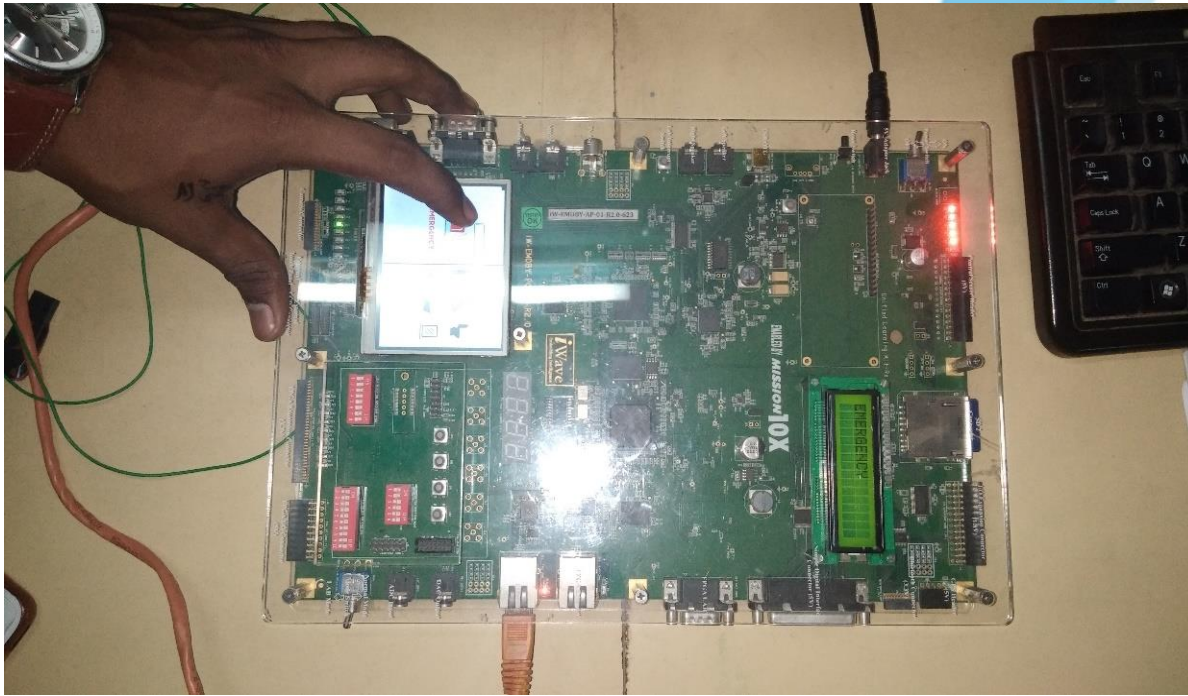
# ULK CHARACTER LCD INTERFACING

- This interface is used to intimate the caretaker about user's needs.
- Initially a command will be provided by caretaker to get the touch sensor into action
- As shown in the images, the LCD screen will display EMERGENCY as the user touches left side of GLCD touch sensor.
- FOOD/WATER REQUIRED will be displayed if user touches right side of the screen.



# PRELIMINARY OUTPUT IMAGES

**OUTPUT: Emergency**

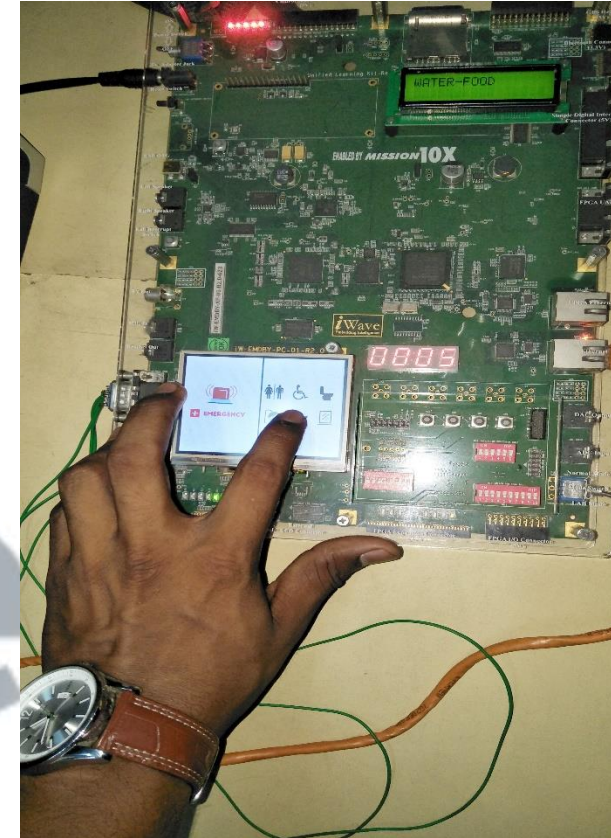


**OUTPUT: Water, Food, Restroom**



# FUTURE ENHANCEMENTS

- An acknowledgment will be provided by care taker as he or she receives message from patient.
- A sound message will be provided to the user to differentiate between emergency touch input and general touch input.
- A 7segment LED counter will be interfaced to count the number of requests attended by the care taker.
- This system can be implemented in Old age homes, to keep old aged people in their comfort zone.





# THANK YOU!

- PROJECT PRESENTED BY:

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