

CHENNAI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Hand Gesture recognition

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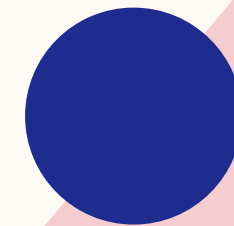
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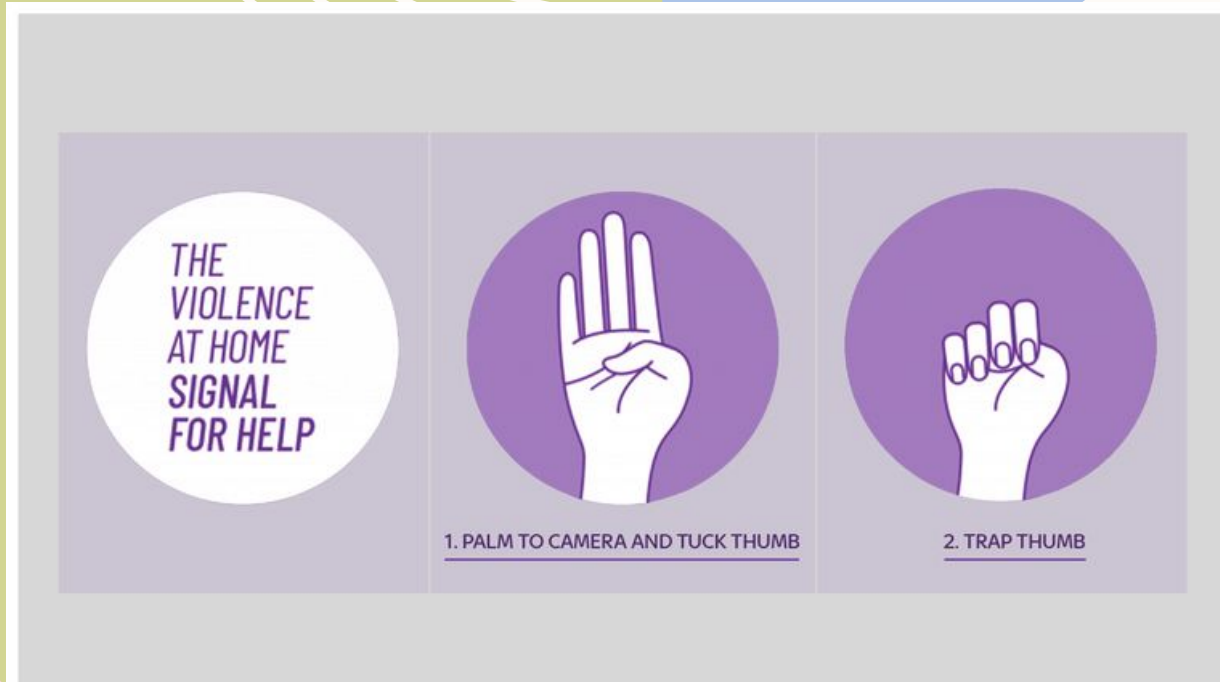
ORGANISATION

Since 2018, Knock BrainTechnology has been contributing and supporting the technological society by helping Industries solve complex problems in a wide range of market. Starting from construction and textile to multimedia platform our engineers have worked with multiple clients including overseas companies from all over the world. With specialization in multiple competing advanced technologies and experience from a highly demanding global market we have pushed through complex problems and provided solutions for our clients by reaching the impossible and setting high standards in the field.

HAND GESTURE FOR RECOGNITION

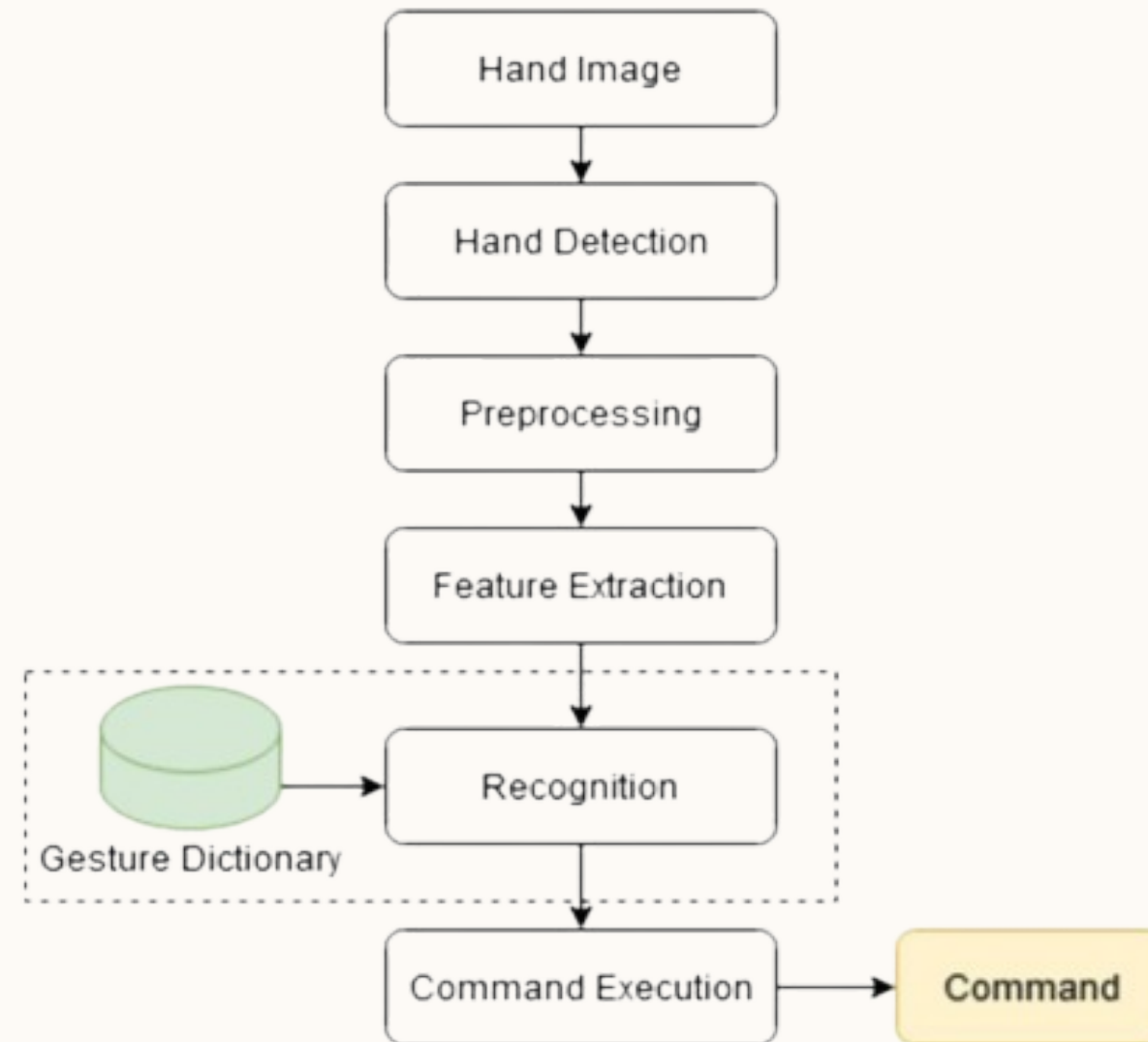
Hand gesture recognition is the process of identifying and understanding human hand movements and gestures through computer vision and machine learning techniques. The goal is to interpret these hand gestures and translate them into meaningful commands or actions for a computer or electronic system. The applications of hand gesture recognition are diverse and can be found in various fields, including human-computer interaction, virtual reality, augmented reality, sign language recognition, robotics, gaming, and more. By recognizing hand gestures, computers and devices can respond to user inputs without the need for traditional input devices like a keyboard or mouse.

PROBLEM STATEMENT



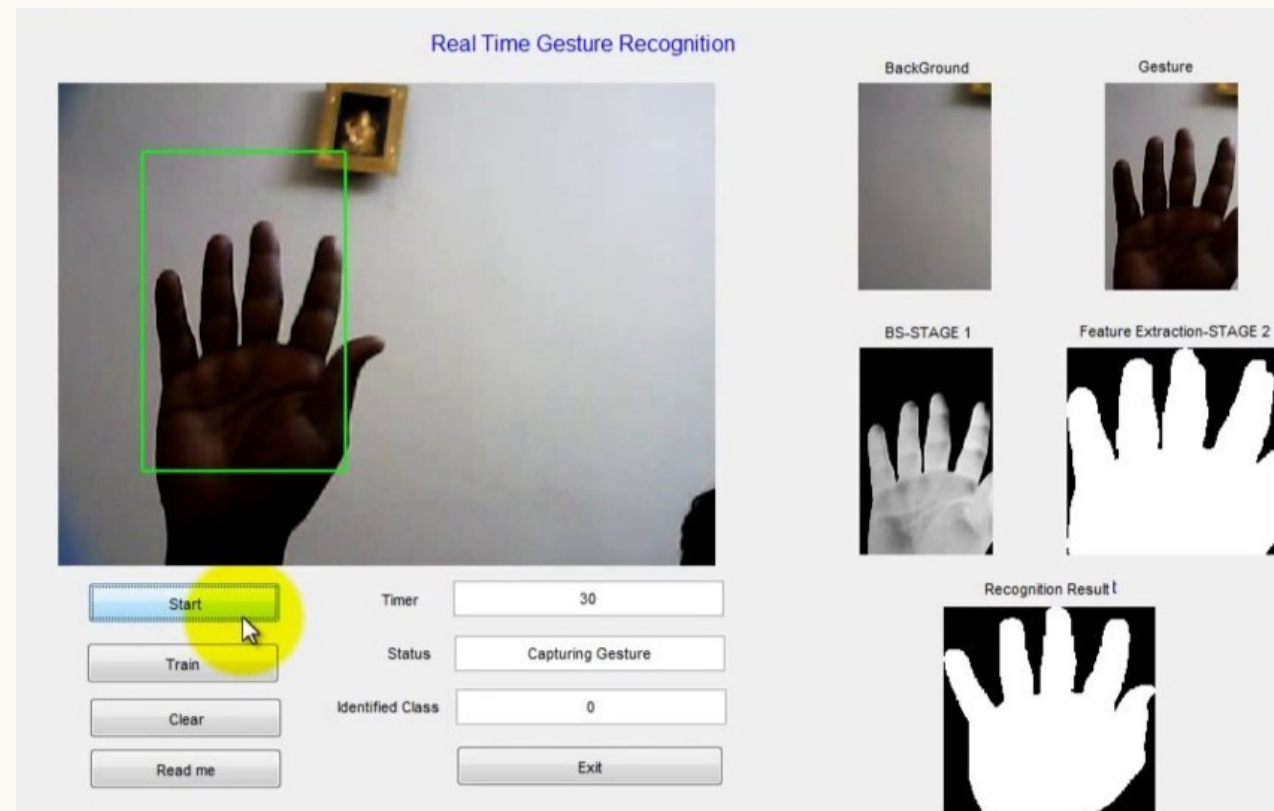
- In hospitals and healthcare facilities, there is a growing need for intuitive and non-intrusive communication methods to enhance the interaction between healthcare providers and patients. One such approach is using hand gesture recognition technology to interpret and respond to gestures made by medical staff or patients
- Women's safety is a critical issue in many societies around the world. The rising number of incidents related to violence and harassment against women has necessitated the development of innovative and effective safety measures. Hand gesture recognition technology presents a promising solution to enhance women's safety by allowing them to discreetly send distress signals or activate safety features in times of danger.

BLOCK DIAGRAM

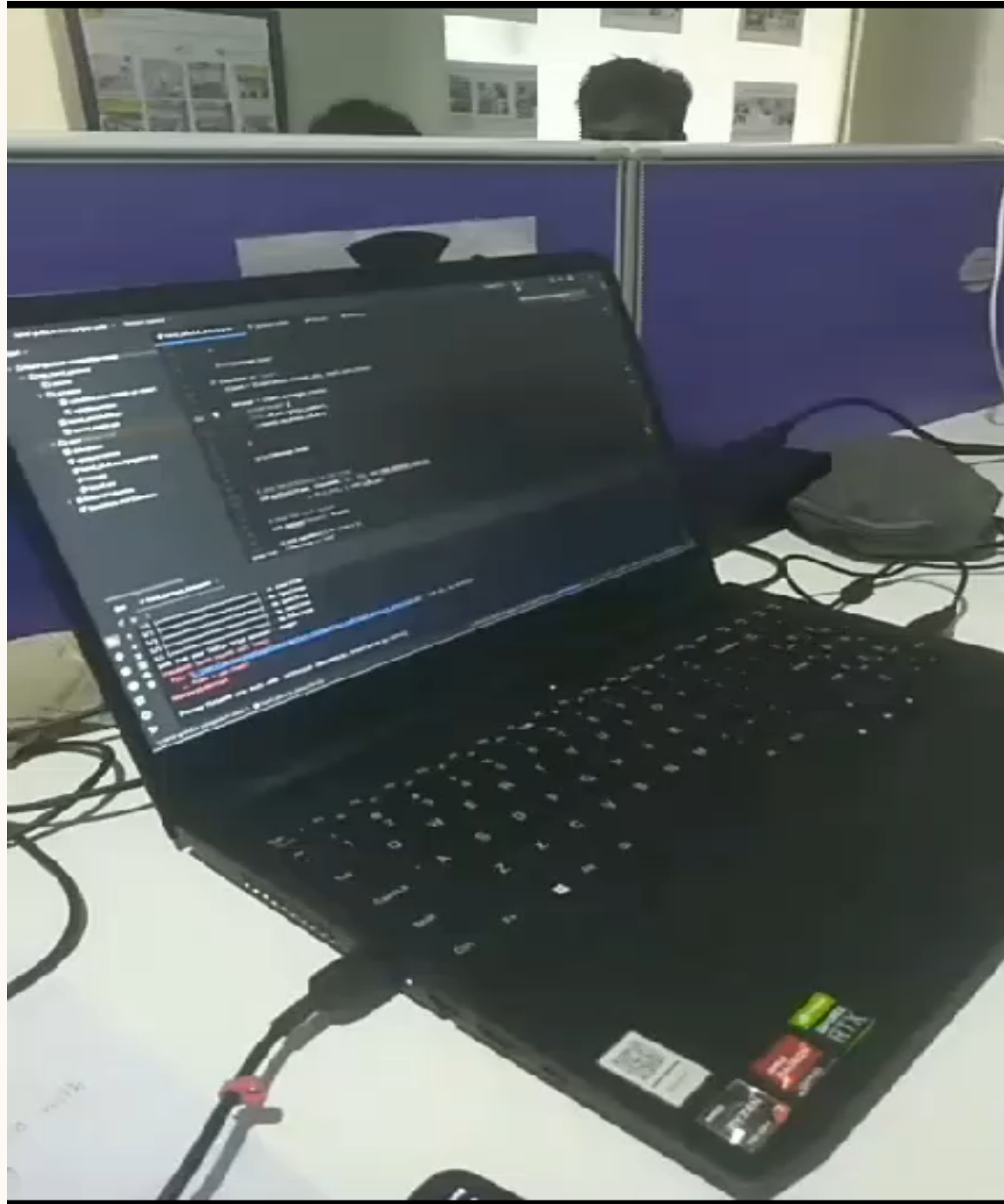


HAND GESTURE HAND RECOGNITION

And also security
uses



VIDEO FOR HAND GESTURE



CONCLUSION

- Thus, we are concluding this project on hand gesture recognition for safety and security purposes, as it offers a more efficient way to potentially save lives, enhance women's safety, protect children, and assist disabled individuals. Furthermore, this technology can be utilized in cars for safety purposes to prevent accidents.



THANK YOU