



**Bahria University**  
Discovering Knowledge

**FINAL YEAR PROJECT REPORT**

**HAND GESTURE RECOGNITION FOR DISABLED PEOPLE**

In fulfillment of the requirement for degree of  
**Bachelors in Computer Engineering (BCE)**

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## **Abstract**

In this project, two-way communication is performed between patient and attendant. It allows the attendant to approach the patient in a short time and will respond to the patient according to the desired need. The Kinect Sensor is used for the detection of hand gestures. The detected hand gesture will be recognized through the database. The custom-based algorithm is employed in the detection of a hand gesture with accuracy. Android APP will cast the message to the attendant through the database on which the hand gesture is detected.

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