Project Report

On

Tremor Detection Glove with Haptic Feedback Motors and Android Application

Submitted by: -

Harsh Narain

The Study Hall College

Affiliated to

UNIVERSITY Of LUCKNOW

Course: -

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Roll Number

202410040007

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Preface

The Tremor Detection Glove with Haptic Feedback Motors and Android Application is a revolutionary project aimed at aiding individuals with tremors or involuntary hand movements. By integrating sensors, haptic motors, and an Android application, this project detects and quantifies tremors in real-time. The glove's sensors capture hand movements, which are analysed using algorithms to identify tremor patterns. Haptic motors embedded in the glove provide gentle vibrations as feedback, enhancing the user's awareness and control. The accompanying Android application displays tremor activity, allows customization of sensitivity and feedback settings, and enables long-term tracking of progress. This innovative solution aims to empower individuals with tremors, improving their quality of life and independence.

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