

Graduation Project - English Abstract

Project Code:	CS24-11
Project Title (in English):	Epilepsy Seizures Detection Device
Project Title (in Arabic):	جهاز التنبؤ بنوبات الصرع
Program Name:	Computer Science
Supervisor(s):	Dr / Hamada Nayel
Project Team:	1-Amaal Abdelazeem Soliman Mohamed. 2-Hager Hamdy Mohamed Halfawy. 3-Ghada Ahmed Elsayed Mostafa. 4-Nadeen Ashraf Hamed Mohamed. 5- MennaTullah Hany Mohamed Atiya. 6-Alaa Ahmed Mohamed Atiya. 7-Karim Ehab Mohamed. 8-Dina Yousry Ahmed Abdelhamid. 9-Radwa Sayed Saied Mahmoud.

Project Abstract

A device that detects epileptic seizures, which come suddenly and make the patient lose the ability to control the movement of the body and come in the form of frequent convulsions and the patient cannot control them and may cause death in the absence of intervention, so the patient wears the device and when an epileptic seizure occurs, the device sends an alert to family members through an application for urgent intervention and rescue the patient. THE DEVICE USES EMG SENSOR (MEASURES MUSCLE ACTIVITY) AND MACHINE LEARNING TO DETECT EPILEPTIC SEIZURES.