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Patent Search

Invention Title	IOT BASED SMART AND CONTROLLABLE WHEELCHAIR FALL DETECTION FOR PHYSICALLY CHALLENGED PEOPLE
Publication Number	22/2023
Publication Date	02/06/2023
Publication Type	INA
Application Number	202321028564
Application Filing Date	19/04/2023
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	ELECTRONICS
Classification (IPC)	A61B 050000, A61B 051100, A61G 051000, A61G 051200, G08B 210400

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Abstract:

IoT Based Smart and Controllable Wheelchair fall detection for Physically Challenged People Abstract: It is essential to monitor the elderly in order to ensure their heapsafety as they age. They have a high risk of stumbling because they are frequently frail and have weak joints. If you desire to provide immediate assistance to an elder you must first determine whether or not they have fallen. Wheelchair-dependent individuals must also have their fall alarm systems examined routinely. Install a tech device capable of detecting accidents. The device can monitor the user's motions because it contains an accelerometer and a gyro sensor. To detect, the monitor can to a wheelchair or a person's hand. The sensor is connected to a computer and transmits acceleration data continuously. Now, the system will monitor the individual falls or other abnormal changes in mobility. A fall is a sudden system change that is followed by excruciating movement. If the user did not fall and the alert was inaccent on the individual system will send a wireless al result, the individual's family and acquaintances will be informed of the issue as soon as possible.

Complete Specification

Description:Descriptions:

The National Survey on the Status of Older Americans (NSSO) indicates that mobility difficulties are common. Approximately 16 million Indians have difficulty walkir to a condition that effects 1.6% of the population. In an increasingly competitive society, self-sufficiency has become a significant aspiration for many individuals in 1 modern world. From the youthful and healthy to the elderly and ill, everyone is welcome. Regarding medical advancement and the development of new technology significant progress has been made. In order to travel from one location to another, people who have difficulty moving their bodies require assistance. They have be given numerous artistic options, allowing them to explore on their own. This is directly responsible for the creation of novel hardware and software. People who are or disabled have more options than ever for canes, manual wheelchairs, and electric wheelchairs. We cannot create wheelchairs or walking poles until we have mas the use of our hands. Numerous elderly and disabled individuals can benefit from utilising a motorised wheelchair. Some members of the community cannot afforce electric wheelchair and find the manual joystick challenging to use. It can be challenging to move and use your hands. Canes, manual wheelchairs, and electric chair joystick controls would be ineffective in this situation. This research will primarily benefit those with a condition that affects both the hands and legs, as well as the ewith weak digits. The primary objective of the initiative is to increase the mobility of these individuals. In an increasingly competitive society, self-sufficiency has beosignificant aspiration for many individuals in the modern world. From the youthful and healthy to the elderly and ill, everyone is welcome. Currently, GPS, GSM, and weather forecasting services are integrated into wheelchairs. These features are already integrated into the chair. There are 7.26 billion people on the planet who haccess to a mobile phone, whether it's a smartphone or a phone

View Application Status



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Page last updated on: 26/06/2019