GRADUATION PROJECT

Activity Recognition for Wheelchair user

INTERNET OF THINGS & DATA-CENTRIC DESIGN

ABOUT
Building a reliable activity recognition pipeline for wheelchair users.

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RELIABILITY

Recent advances in networked technologies (the Internet of Things) and data science methods have opened up unprecedented opportunities for modelling and analysing human behaviours.

However, reliable sensing and activity recognition in real time remains a challenge. This is a limit to the development of most products and services leveraging these technologies.

In this project you will develop a sensing and machine learning pipeline to accuratly recognise wheelchair activity user behaviour.

How to develop reliable human activity recognition in the wheelchair context?

PROJECT AIM
The aim of this graduation project is to develop data sensing and analysis technics for reliable human activity recognition. You will conduct a study to evaluate the reliability of your solutions.

This project touches upon a range of subjects:

- Sensing quality
- Activity recognition
- Prototyping

INTERESTED?
This project is best suited for students with computer science or embedded system background with strong interest in data science and machine learning.