

**DUBLIN CITY UNIVERSITY**  
**Information Consent Form (approx. 300 words)**



**I. Research Study Title**

**Title:** "Human Activity Recognition using wrist-mounted sensors based on Symbolic Aggregate Approximation and Machine Vision"

Fourth-Year project ran by School of Computing

**Investigators:** Shane Creedon and Tomas Ward

**II. Clarification of the purpose of the research**

Human activity recognition (HAR) is an active area of research concerned with the classification of human motion. Cameras are the gold standard used in this area, but they are proven to have scalability and privacy issues. HAR studies have also been conducted with wearable devices consisting of inertial sensors. Perhaps the most common wearable, smart watches, comprising of inertial and optical sensors, allow for scalable, non-obtrusive studies. We are seeking to simplify this wearable approach further by determining if wrist-mounted optical sensing, usually used for heart rate determination, can also provide useful data for relevant activity recognition.

**III. Confirmation of particular requirements as highlighted in the Plain Language Statement**

*Requirements may include involvement in interviews, completion of questionnaire, and/or video-taping of events. Getting the participant to acknowledge requirements is preferable, e.g.*

Participant – please complete the following (Grade Yes or No for each question)

<i>I have read the Plain Language Statement (or had it read to me)</i>	Yes/ No
<i>I understand the information provided</i>	Yes/ No
<i>I have had an opportunity to ask questions and discuss this study</i>	Yes/ No
<i>I have received satisfactory answers to all my questions</i>	Yes/ No

**IV. Confirmation that involvement in the Research Study is voluntary**

I may withdraw from the Research Study at any point.

**V. Advice as to arrangements to be made to protect confidentiality of data, including that confidentiality of information provided is subject to legal limitations**

I acknowledge that confidentiality of information cannot always be guaranteed by researchers and can only be protected within the limitations of the law

**VI. Signature:**

I have read and understood the information in this form. My questions and concerns have been answered by the researchers, and I have a copy of this consent form. Therefore, I consent to take part in this research project.

**Participant's Signature:** \_\_\_\_\_

**Name in Block Capitals:** \_\_\_\_\_

**Witness:** \_\_\_\_\_

**Date:** \_\_\_\_\_