Department of Design Engineering and Mathematics

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**Project title**

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Acknowledgements [delete if don’t need]

And I would like to acknowledge…Abstract

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# Introduction

# Second Chapter

Some initial text.

## First Sub Chapter

Robot learning has been employed for various applications, such as visuomotor transformation [1] and action recognition [2].

## Second Sub Chapter

Another paper [3].

Shape, circle

Description automatically generated

Figure 2‑1 Minions!

This is the next paragraph, see Fig. 2.1.

# Another Chapter

Some initial text.

## Something

Text

### Subsubsection

Text

### And another

Text

Table 1 Wearable devices used in sports medicine

|  |  |
| --- | --- |
| **Wearable Device** | **Functional Mechanism** |
| **Movement sensors** | |
| Pedometer | “Step” recorded each instance the vertical acceleration of a spring-loaded lever arm exceeds the force sensitivity threshold |
| Accelerometer/gyroscope | Acceleration causes deflection of a seismic mass between 2 electrodes, causing a change in capacitance |
| GPS | Signal transmissions from multiple orbiting satellites are acquired by a ground-based receiver; the relative delay is used to calculate the speed and position of the receiver |
| **Physiologic sensors** | |
| Heart rate monitor | 1. Electrical activity from the heart recorded by electrodes in a chest strap |
| 2. Peripheral pulse detected by optical-sensing technology in a wristband |
| Temperature monitor | 1. Ingestible capsule transmits readings to external data log system |
| 2. Armband measures skin convective heat flux in temperature |
| Integrated sensors | Multimodal platforms that incorporate components of movement and physiologic sensors |

Table 1 shows….

## Something else

Text

# Conclusion

# References

|  |  |
| --- | --- |
| [1] | M. Antonelli, A. Duran, E. Chinellato and A. D. Pobil, “Learning the visual–oculomotor transformation: Effects on saccade control and space representation,” *Robotics and Autonomous Systems,* no. 71, pp. 13-22, 2015. |
| [2] | D. Ognibene, E. Chinellato, M. Sarabia and Y. Demiris, “Contextual action recognition and target localization with an active allocation of attention on a humanoid robot,” *Bioinspiration & biomimetics,* vol. 8, no. 3, 2013. |
| [3] | E. Chinellato, B. Grzyb and A. Del Pobil, “Pose estimation through cue integration: a neuroscience-inspired approach,” *IEEE Transactions on Systems, Man, and Cybernetics, Part B: Cybernetics,* Vols. 530-538, no. 2, p. 42, 2012. |

# Appendix