

FOR ASPIRING
ENGINEERS

ENGINEERING INNOVATION CHALLENGE



Minds Underground

enquiries@mindsunderground.com

DESIGN A WEARABLE

Produce a 2-page PDF with the following sections. It is up to you to decide how best to deliver the requested information.

Introduction

- What is the purpose of the wearable?
- What is the customer need? Is it related to health, communication, data collection...or something else?
- Who is the target customer?
- Being clear on this is important, as different types of customer have different requirements

Aesthetics & Design

- What are the visual requirements?
- Link these back to the target customer
- How will it look?

Demonstrate this through sketch, CAD, diagram, image, GIF, video, etc.

Technology & Industrialisation

- What are the most important functions?
- Break down the purpose of the wearable into the logical processes that need to happen
- Which technologies will you use?
- For each function, demonstrate your research into the different technology options, and explain which is best for your design

TIPS & EXAMPLES

Tips:

- Sometimes less is more, a clearly labelled diagram can say a lot more than a full page of text.
- Your submission should demonstrate quality of research, and clearly explain the need for the product and how your solution will deliver that need.

Examples from Past Entries:

- A Smart Muscular Measuring System for fitness
- The SmartSignal - a simple wearable device designed for people who are hard of hearing
- hEalyx - a sustainable and comprehensive monitoring health device in the form of a necklace for medical and conventional uses, mainly targeting those with Alzheimer's disease/Dementia.
- An Earthquake Brooch
- Yoge - a wellbeing wearable

