

# Expertise from LSBU's Schools of Engineering and Applied Sciences

## Our engineering/computer science expertise includes:

- Mobile health applications in mental health, wellbeing, healthy ageing, and illness prevention
- Wearable healthcare technology
- 'Making hardware work with software' – system integration
- Requirements elicitation
- Technical review
- Testing (user testing, security testing, accessibility testing, etc.)
- System design
- Training (depending on the needs of the client)
- Electronics, sensors, and microcontrollers
- Measurements and data analysis

## Our Applied Science expertise includes:

- Improving access for less advantaged groups
- 'Safer neighbourhoods'
- Legislation and compliance, covering a wide range of topics (improving access for individuals eg to health, social support etc.)
- Ethics checklists and road maps to focus on support around suggested areas; experience type surveys, literature reviews, process reviews, secondary data analysis, and business best practices
- Looking at small focus groups, with the view of not potentially going into small trials
- Underdeveloped and underfunded areas such as mental health support with a focus on human resources and OHS, standard practices for businesses to include/factor
- Virtual reality