

Programme Outline

Outline

| Day 1 | Day 2 |
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| <p>Theory: Introduction to medical devices</p> <ul style="list-style-type: none"> • Identify different classifications of medical devices • Understand how medical devices are regulated • Describe the components of a health monitoring device and explain how it works • Discuss the general requirements and design considerations of a health monitoring device <p>Practical:</p> <ul style="list-style-type: none"> • Construct a glucose monitoring device • Measure glucose concentration using the constructed glucometer • Evaluate the performance parameters of the constructed glucometer | <p>Theory: Innovations and developments in medical devices</p> <ul style="list-style-type: none"> • Explain what are digital health and wearable technologies • Discuss applications and performance of enabling health care technologies for managing chronic diseases and general health monitoring • Identify limitations and dangers on the use of smart medical devices <p>Practical</p> <ul style="list-style-type: none"> • Evaluate the performance of smart health monitoring devices |