



Coursework: Mobile and Ubiquitous Computing

Light sensor monitoring and sensor data propagation



What to do:

- Build a TinyOS application with the following functionality:
 - The network has 2 or more nodes: one is the gateway and the remaining (called children) are within communication range of the gateway.
 - Children should sense light at regular intervals and broadcast the light readings. The gateway does not sense light.
 - A light reading includes the value of light intensity and the node at which it was monitored.
 - When the gateway receives a light reading message from a child,
 - it adjusts leds accordingly (all leds on for full light, no leds on for little light), and
 - **(for extra marks)** it forwards the reading to the serial port.
 - The user should be able to see the readings of all children, which are sent by the gateway through the serial port.
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- Submissions should be individual
 - Deadline is May 2
 - after the revision class
 - Submit electronically by sending email to Niki at niki@dc.s.bbk.ac.uk
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