

Initialise sensor node

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graph TD; A[Initialise sensor node] --> B[Sensing loop]; subgraph B [Sensing loop]; C[Read fibre sensor<br/>Turn on LED<br/>Read ADC<br/>Turn off LED<br/>Normalise ADC reading] --> D[Transmit data<br/>Write data through serial port]; D --> C; end
```

Sensing loop

Read fibre sensor

Turn on LED

Read ADC

Turn off LED

Normalise ADC reading

Transmit data

Write data through serial port