

P. 2: IoT Project Examples

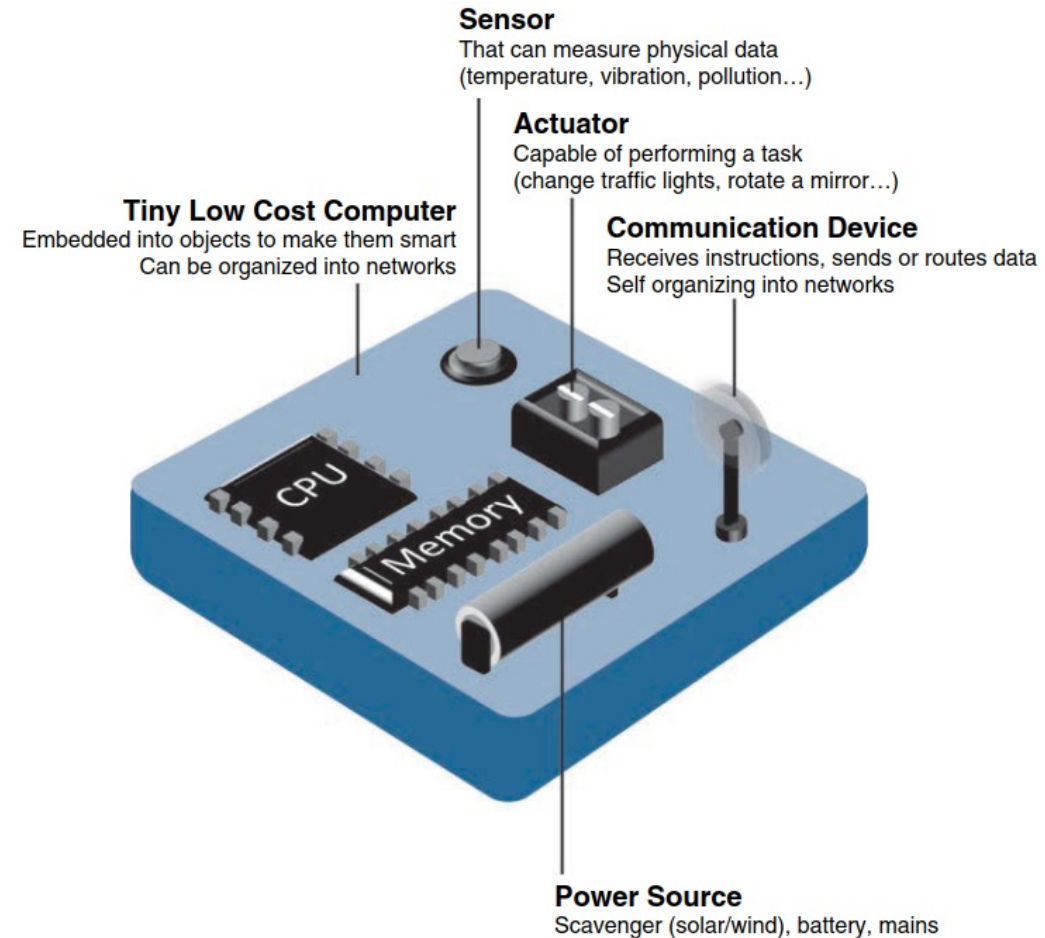
COMPSCI 147

Internet-of-Things; Software and Systems



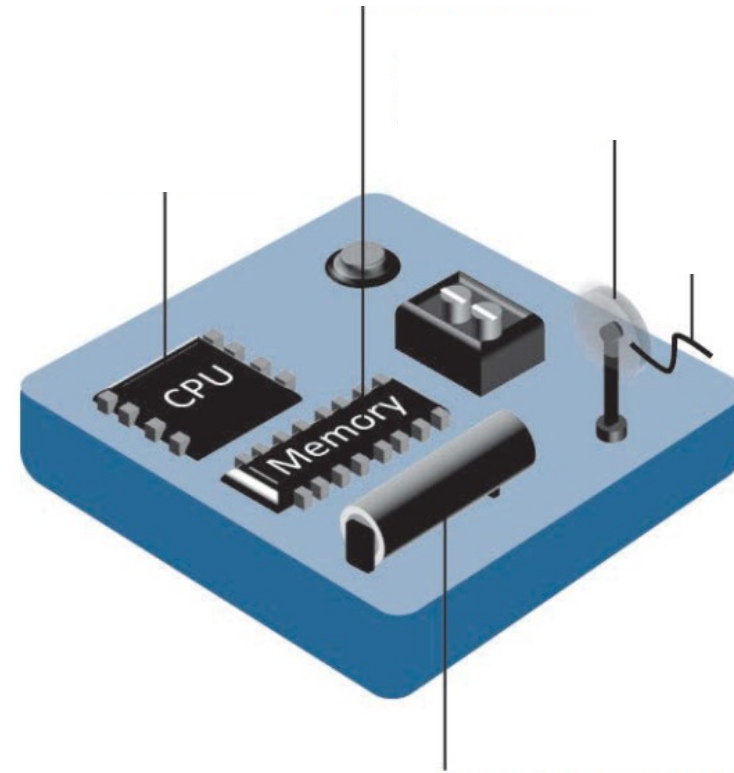
RECAP ON IOT KITS

- Smart object
- Smart sensor
- Smart device
- IoT device
- Intelligent device
- Thing
- Smart thing
- Intelligent node
- Intelligent thing
- Ubiquitous thing
- Intelligent product



DESIGN CONSTRAINTS FOR WIRELESS SMART OBJECTS

- Limited processing
- Limited memory
- Lossy communication
- Limited transmission
- Limited power



IOT PROJECTS: FROM SMALL GADGETS TO LARGE-SCALE

- ZEEQ Smart Pillow
 - <https://www.youtube.com/watch?v=QcdyD1QI7og>
- Netatmo Presence
 - https://www.youtube.com/watch?time_continue=6&v=2Im8F7fSf0k
- ShotSpotter
 - <https://youtu.be/PgAd16xPHjl>
- BlindSquare
 - <https://www.youtube.com/watch?v=9jH-Bdjmgmb4>