

# لايىھىلەش ۋە سىستېما Design and System

دوكتور ياسىن مەمەتجان

2023-06-11

مەشھۇر تەربىيەلەش مەركىزى

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# پىلان

• **Microbit**

• قاتتىق دېتال كۆرسىتىش

• ئۇقۇغۇچى ياسايدىغان نەرسىلەر

• **Kahoot...**

# What is AI Systems?

نه رده

نه

(نستېمالچي) نه

(نالم) نېشقا

(نه جنر) قانداق

Medical	Medical instrumentation for monitoring and control (reference = dosage); artificial limbs (prosthesis; reference = limb position).
Home appliances	Home heating, refrigeration, and air conditioning via thermostatic control; electronic sensing and control in clothes dryers; humidity controllers; temperature control of ovens (references = desired temperature, humidity).
Power/energy	Power system control and planning; feedback instrumentation in oil recovery; optimal control of windmill blade and solar panel surfaces; optimal power distribution via power factor control; power electronics for dc-dc conversion, battery chargers, motor controls (references = power level, optimization criteria).
Transportation	Control of roadway vehicle traffic flows using sensors; automatic speed control devices on automobiles; propulsion control in rail transit systems; building elevators and escalators (references = vehicle flow rate, speed, position and speed together).
Manufacturing	Sensor-equipped robots for cutting, drilling die casting, forging, welding, packaging, and assembling; chemical process control; tension control windup processes in textile mills; conveyor speed control with optical pyrometer sensing in hot steel rolling mills (references = position–speed profiles).
Aerospace and military	Missile guidance and control; automatic piloting; spacecraft control; tracking systems; nuclear submarine navigation and control; fire-control systems (references = position and attitude).

سز مه قسديگنر نيه

سز نيه قيلغوگنر بار

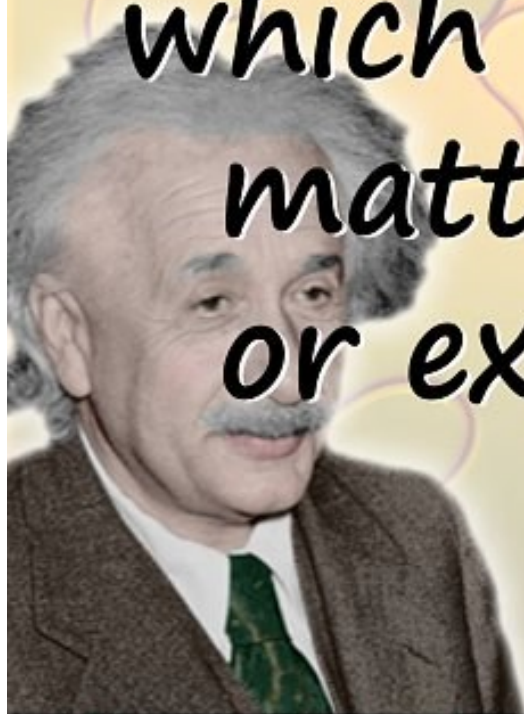
مه قسديگنرگه قانداق يپتسز

**Babson's undergraduate school**



The formulation of a problem is often more essential than its solution, which may be merely a matter of mathematical or experimental skills.

*Albert Einstein*



مەسىلەلەر : سىز كۆرسەتمىگە نەگە شىمسىگىز نىمە بولىدۇ



مەسىلەلەر 2 : سىز كۆرسەتمىگە نەگە شەمسىگىز نەمە بولىدۇ



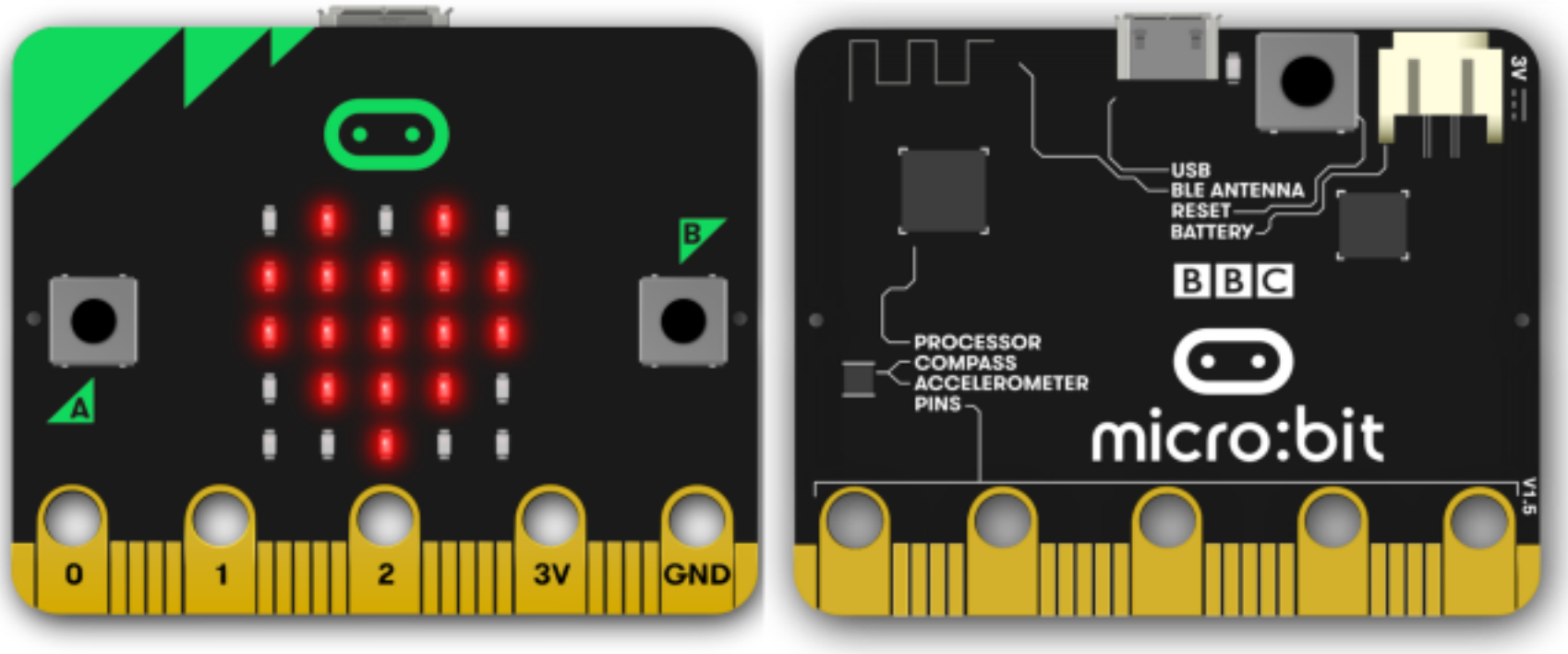


Micro Bit

مايكرو بیت



# Micro bit parts



## ئۇلانمىلار

- <https://www.codeproject.com/Articles/855501/How-to-build-an-Arduino-powered-smart-home>
- "Ultrasonic Parking Assistant," Arduino Project Hub.  
<https://create.arduino.cc/projecthub/>
- ianjennings, "How to build an Arduino powered smart home," CodeProject, Dec. 21, 2014.

# Tinkercad World

- Google Search “robotics and tinkercad”
- Google Search “AI and tinkercad”
- monitoring and tinkercad .....
- Robot, System, Automation, sensors, motors, Engineering
- **Arduino Project Hub**
- <https://projecthub.arduino.cc/trending>
- **Tinkercad Learning Center (ئۆگەنىش مەركىزى)**
- <https://www.tinkercad.com/learn>

# مەڭگۈتەك تۈر پائالىيىتى

## ئىدىيەدىن پروتوتىپقىچە

لايىھىلەش تېمىلىرىنى تىزىملاش

<https://forms.gle/uEuEbSYz2K4KzvEX7>