



**INTERNET OF THINGS**  
**AY-2019-20**

## **COLOUR SORTING MACHINE**

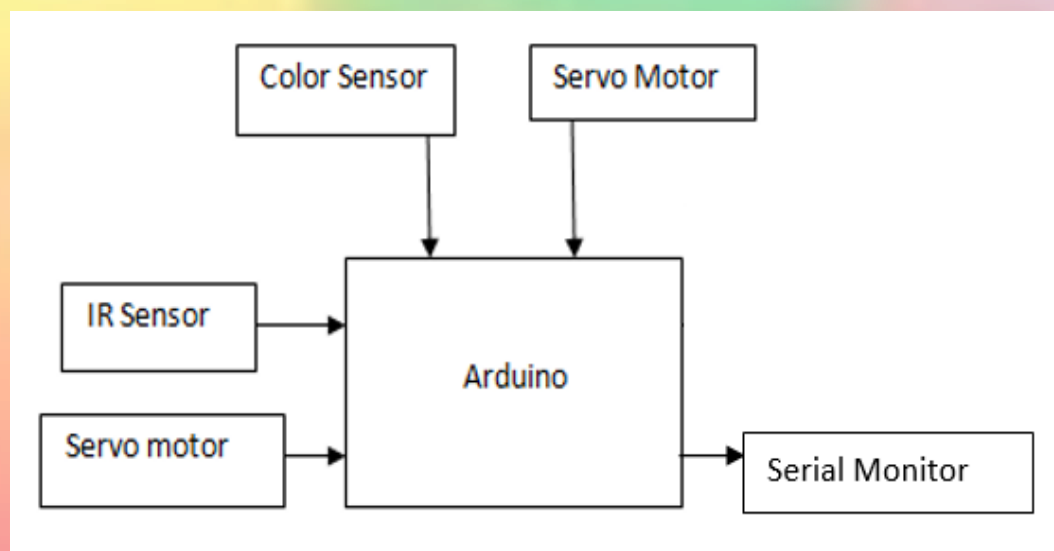
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**Aim:** To design a COLOUR SORTING MACHINE prototype using different sensors.

**Features:**

- Provides a smooth conveyer for the objects.
- Simplifying the task such as recognizing or differentiating colours.
- Large amount of objects of different colours can be sorted quickly.
- Using servo motors the implementation becomes easy.

**Circuit Diagram/Block Diagram:**



- Hardware & Software Requirements:**
- **Arduino**
  - **Breadboard**
  - **Arduino Mega 2560**
  - **IR Sensor(LM393)**
  - **Colour Sensor(TCS3200)**
  - **Servo Motors**
  - **Connecting Wires**
  - **USB cable**
  - **Fiber Board**
  - **Coloured Objects**
  - **Internet Connection**