



SNS COLLEGE OF ENGINEERING



Kurumbapalayam(Po), Coimbatore – 641 107

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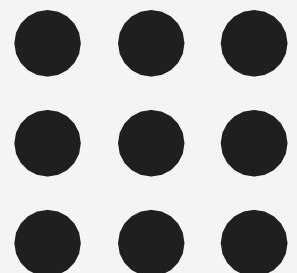
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Department of Information Technology

Course Name – Internet of Things & AI

III Year / V Semester

UNIT 2 - DESIGN METHODOLOGY

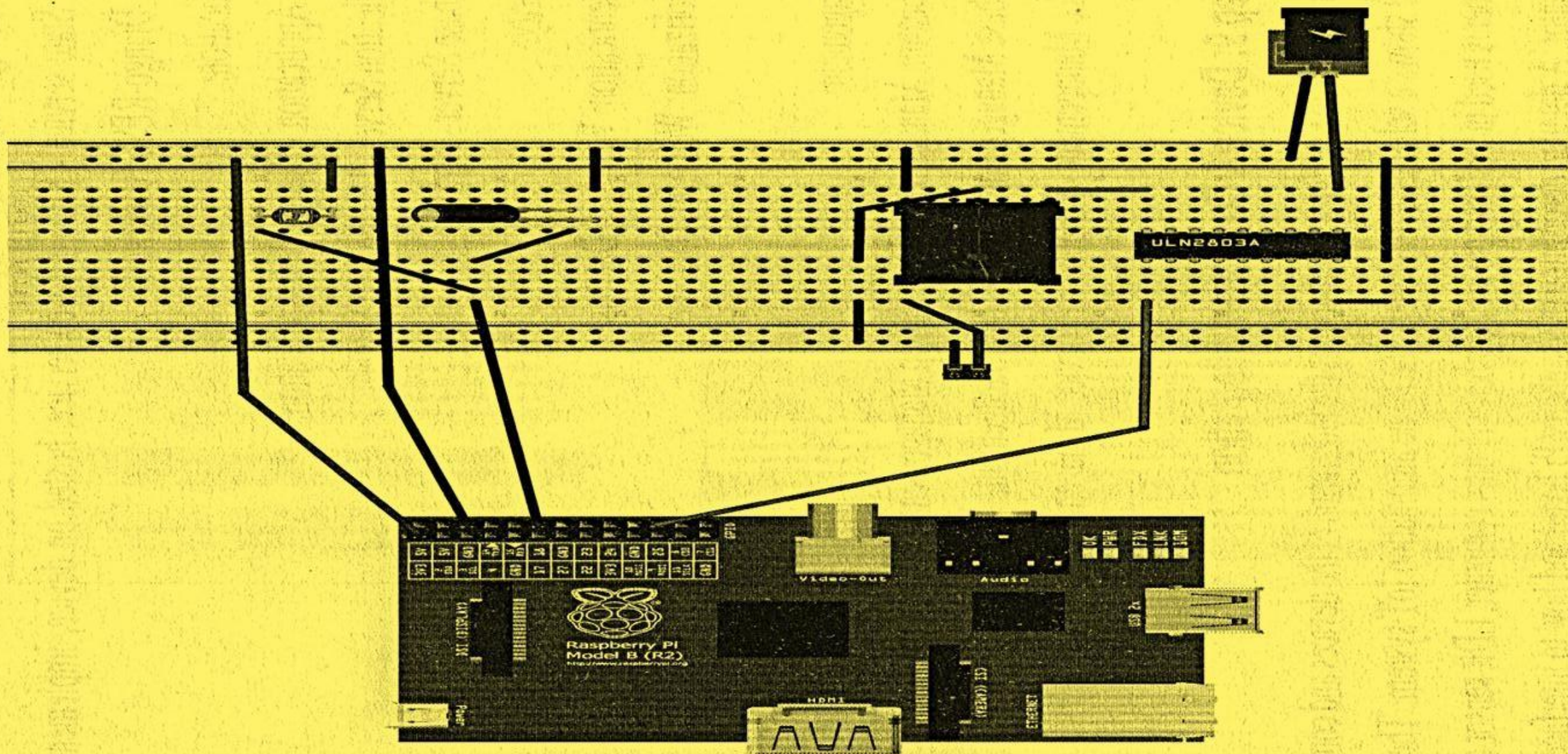


Step 9: Device & Component Integration

- The ninth step in the IoT design methodology is the **integration of the devices and components.**

Step 9: Device & Component Integration

- The above diagram shows a schematic diagram of the home automation IoT system.
- The devices and components used in this example are Raspberry pi mini-computer, LDR Sensor (Light dependent sensor) and relay switch actuator.
- A detailed description of Raspberry Pi board and how to interface sensors and actuators with the board is provided next chapters



Step 10: Application Development

- Auto
 - Controls the light appliance automatically based on the lighting conditions in the room
- Light
 - When Auto mode is off, it is used for manually controlling the light appliance.
 - When Auto mode is on, it reflects the current state of the light appliance.

