KEMENTERIAN PENDIDIKAN TINGGI
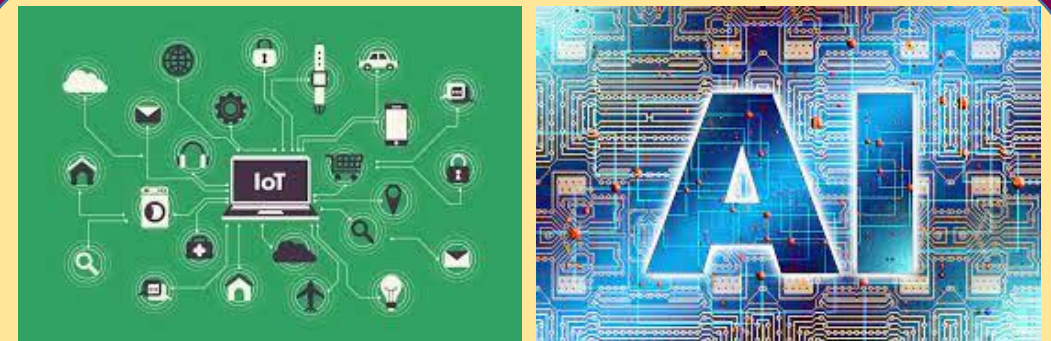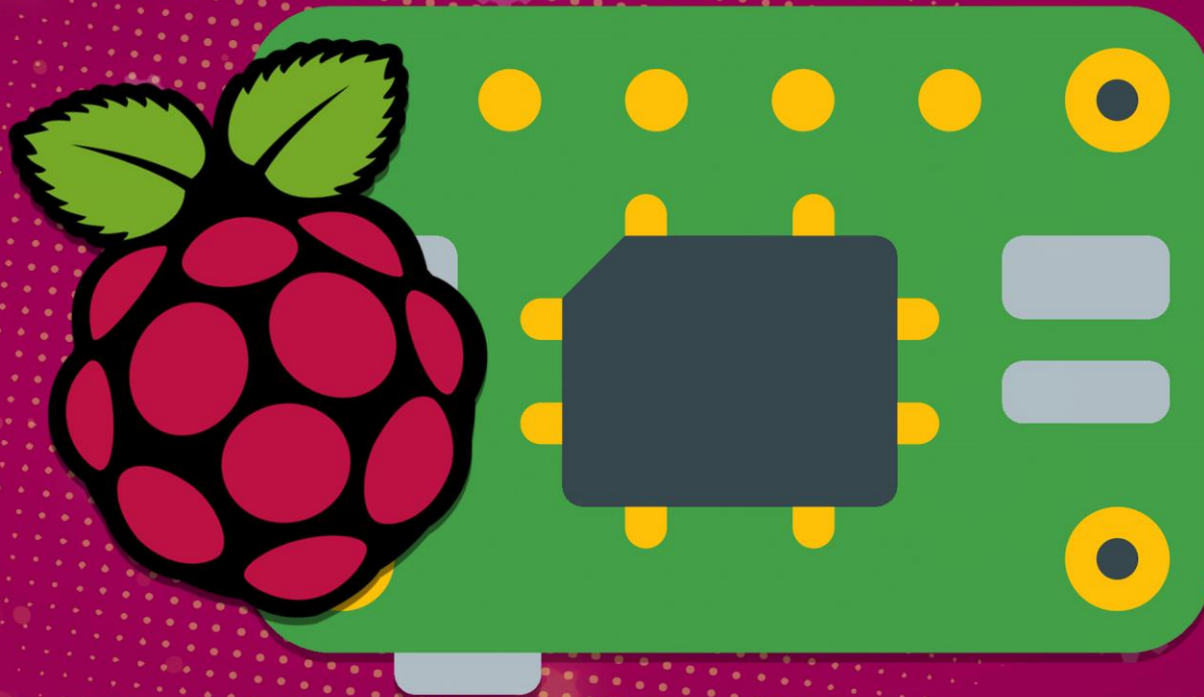
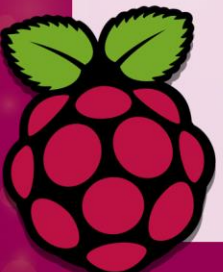UTeM
UNIVERSITI TEKNIKAL MALAYSIA MELAKA

RASPBERRY PI

FUN PROJECTS

Speaker: Dr Norharyati, 013-7985072
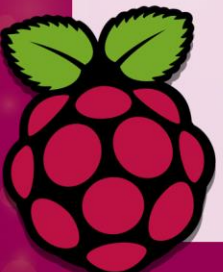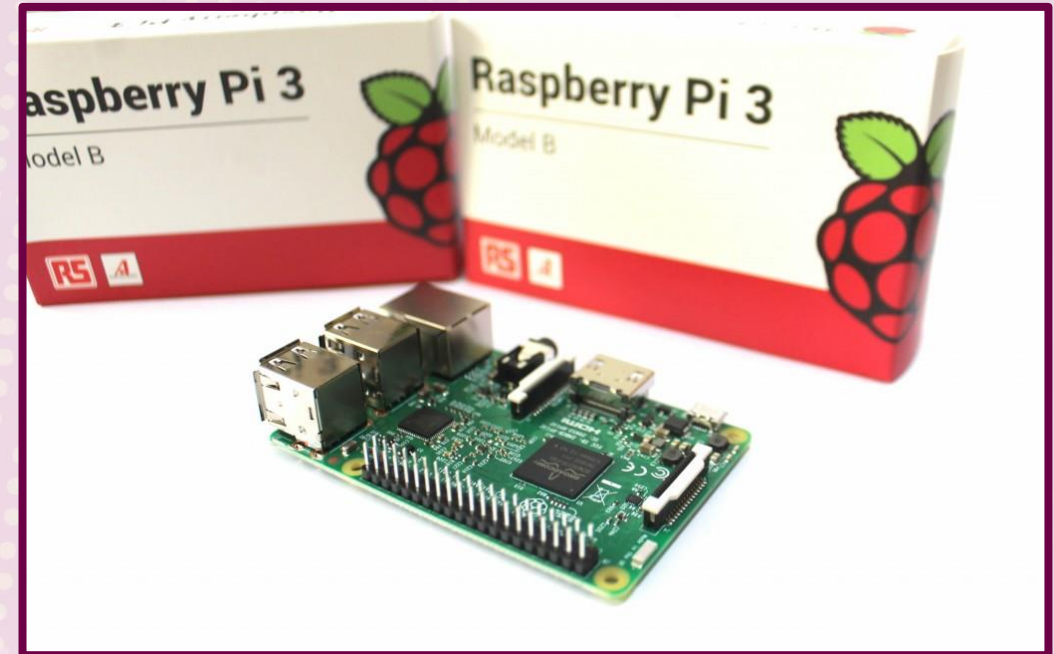Facilitator: Norhazifa

What are you going to learn today?

- What is Raspberry Pi
- Raspberry Pi Project Example
- Hands On
  - Set up Raspberry Pi
  - Hands On 1: ON OFF LED
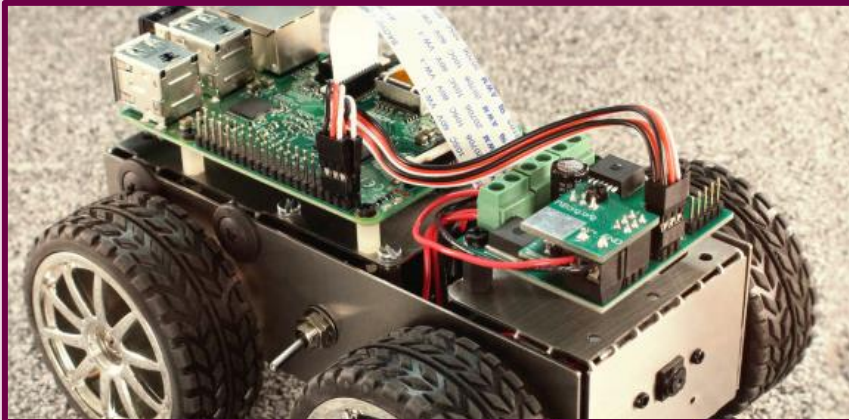 - Hands On 2: Blinking LED
  - Hands On 3: Traffic Light

What is Raspberry Pi?

- A credit card size computer
- Portable
- Low power
- Internet browsing
- Animation
- Can be used together with LED, sensors
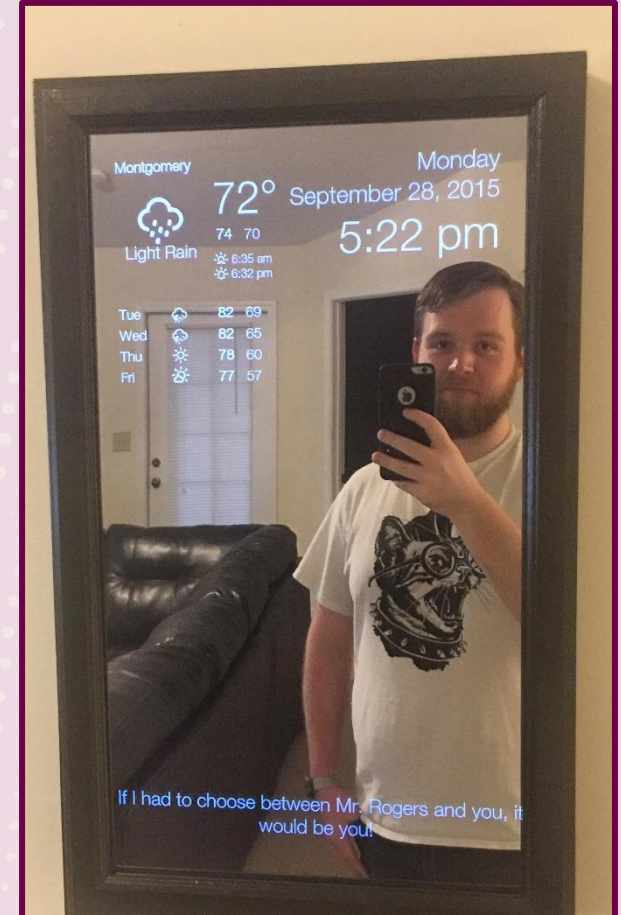
Raspberry Pi Projects

Robot

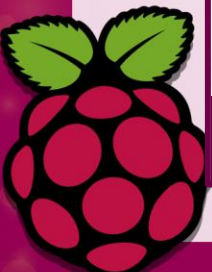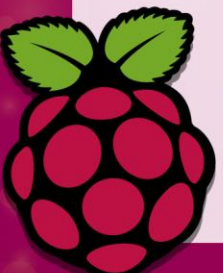**Smart CCTV**

Magic Mirror

Drone

Compact Computer
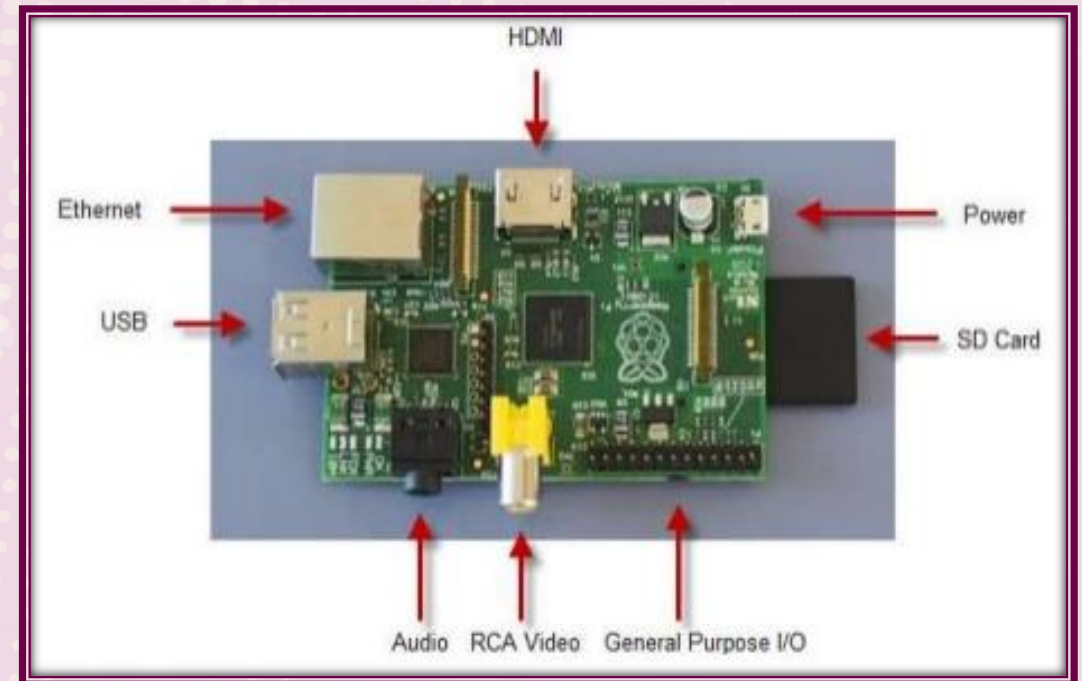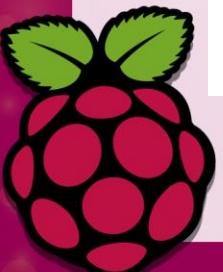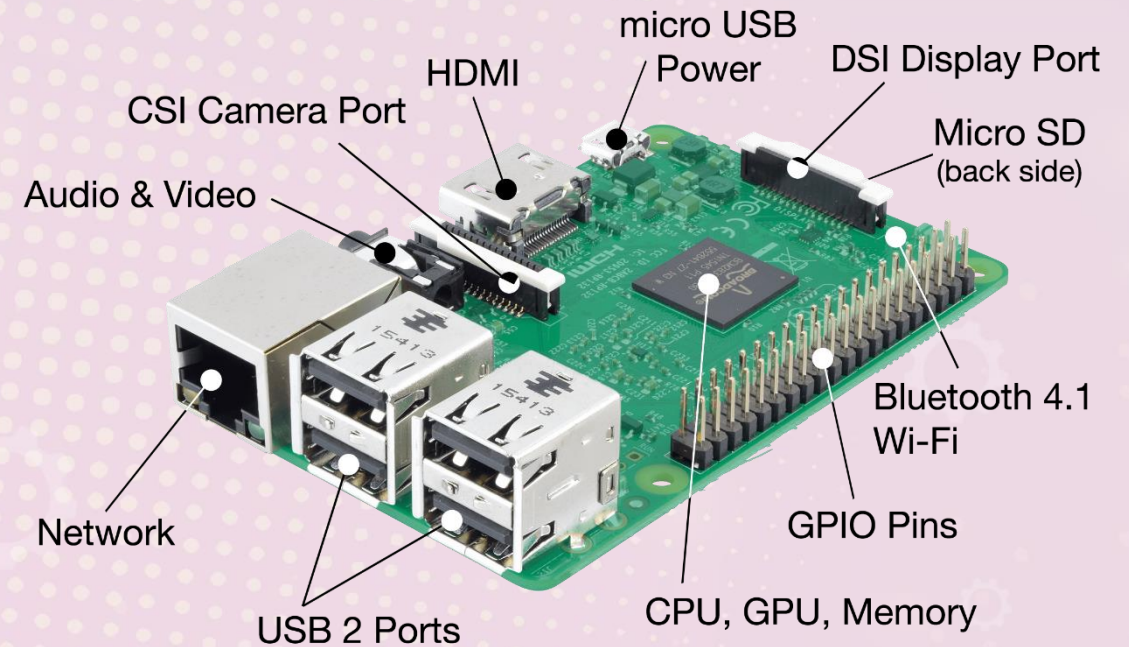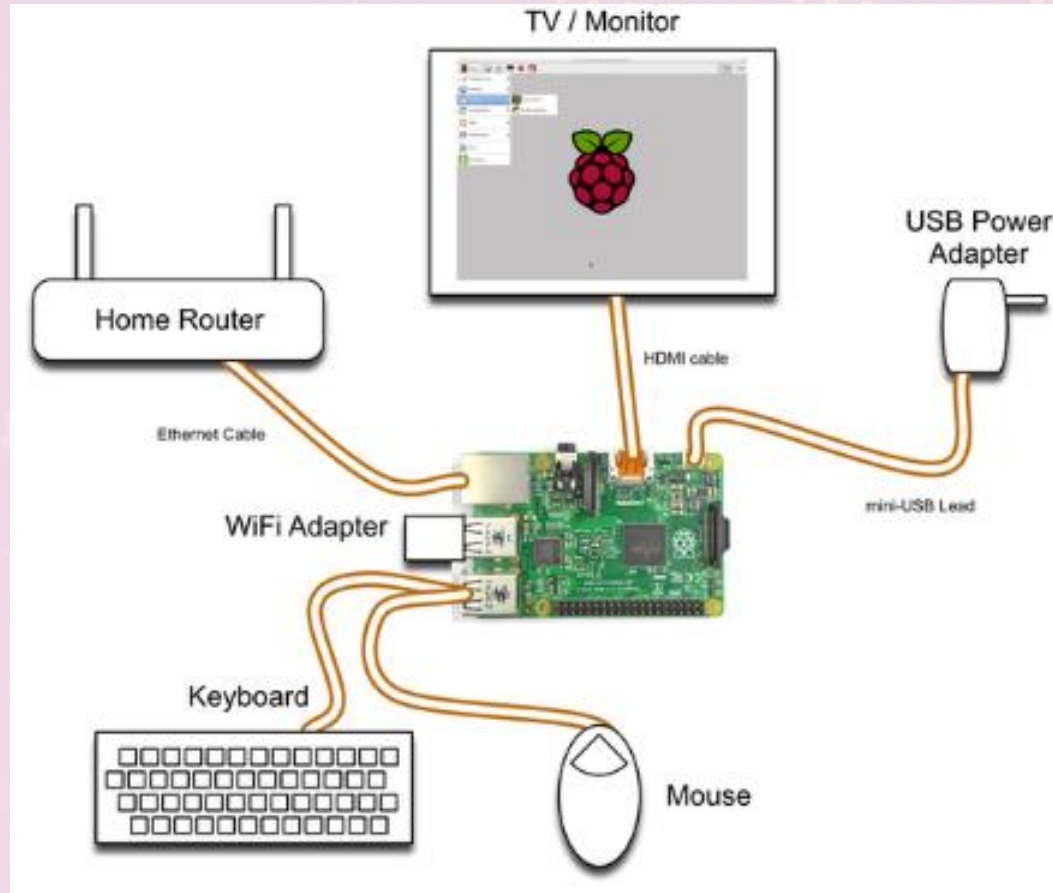
Main Parts

- HDMI cable – Connect to Screen
- USB – Connect to mouse, keyboard
- Ethernet – Connect LAN cable
- Power
  - Connect to power supply
- SD card
  - To install OS, store data

How to connect Raspberry Pi

Now, Setup Your Raspberry Pi as a PC & Explore !