

Week report 2

Summary of Presentation

In this presentation we learned about raspberry pi. What is raspberry pi ? raspberry pi is low cost computer that is really small but you can use it just like your regular desktop.what we need to use raspberry pi? We pretty much need everything like regular desktop but little different then regular desktop. we basically need Raspberry pi motherboard, pi Case, pi power supply, Micro sd card, HDMI cable,Mouse, Keyboard,USB Micro usb Adapter, HDMI adapters, USB Hub and monitor.There are few types of Raspberry pi Models, Raspberry pi 1 model B, Raspberry pi 1 model A, raspberry pi 1 model B+, Raspberry pi 1 model B+, Raspberry pi Zero, raspberry pi 2, Raspberry pi 3 model b, raspberry pi zero w. Specs of the latest model raspberry pi 4 Broadcom BCM2711 quad-core Cortex-A72 (ARM v8) 64-bit SoC @ 1.8GHz 4GB LPDDR4-3200 Dual-band (2.4GHz and 5.0GHz) IEEE 802.11b/g/n/ac wireless LAN Bluetooth 5.0, BLE Gigabit Ethernet 2 × USB 3.0 and 1 × USB 2.0 ports Horizontal 40-pin GPIO header 2 × micro HDMI ports (supports up to 4Kp60) H.265 (4Kp60 decode); H.264 (1080p60 decode, 1080p30 encode); OpenGL ES 3.1, Vulkan 1.0 MicroSD card slot for operating system and data storage 78- or 79-key compact keyboard (depending on regional variant) 5V DC via USB connector Operating temperature: 0°C to +50°C ambient Maximum dimensions 286 mm × 122 mm × 23 mm. 5 projects that you can do it in raspberry pi:

1. Meeting Indicator
2. Classic Mac
3. Speech Recognition
4. Media Center
5. Headless Raspberry pi