به نام خدا

نام و نام خانوادگی:

عبداله رئيسي

شماره دانشجویی:

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استاد:

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درس:

اصول رباتيكز

features	Arduino	Raspberry pi
Type	Millbeontloller	Single-bourd computer (SBC)
Processing Power	limited	Relatively high
Operating 545	No operating system	Linux-based 05
Plog Camming	C/C++ o Aldaino IDE	Mulziple languages, Python Common
Real-Time Cuporbility	Yes	limited
Connectivity	GPIO, UART, IZC, SPI	GPIO, USB, Etherner, HDMI, Wi-fi
USE COUSE	Embedded system, ToT, Propotics	General Affra Purpose computing Media Center, Server, IoT
Complexity	Simple	Mole Complex
Cost	Generally Cheaper	Generally mole exp
Ease of use	Generally easier for begginners with a facus on simplicity and specific task	
Power consumption	Tepically lower power consumtion making it well-suited for sensor interfacing	Miejher power consumption may not be as energy-efficient for cortain apps
Glaphics Processing	limited of absent graphics Processing capabilities	Compable of Woodling of Maphics-intensive tousing suitable for multimedia apps
Phisical size	Compact and typically Smaller form factor	Slightly larger due toudlicional components for eg: USB parts, Ethernet, HDMI
Cusiomization	Can be highly customized for specific tasks	offers customization but with afocus on general-propuse computing

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features	Arduino .	Raspberry pi
security	Generally considered more secure due its simplicity and real-time noture	Acquires more attention to security measures,
Community Support	large and active community extensive online resources	Robust Community support extensive online forums and
	and a wide range of shields	a valid of softwares a valid through package managers
Applications	Ideal for presents with-simple control touches, automations and	suitable for diverse applications including home automation, servers,
	basic electionics	desktop replacement and educational Pa
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