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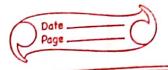
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	Poiganka Jadhar
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r. C	-Assignment - 02
	to a contract to the contract unit
Sr.	what is arduino? what are features of arduino
	and explain its wooking?
-ANS	Arduino às au open-souvice electronics platypouru
	based on easy-so-use hardwave & software.
	Arduèno boardes are able to read impuls-
	light on a sensor, a finger on a button, or
, un	a -turister message - and hum it winto an
	output, activating a motori, turning on an
	LED, publishing something online.
	and the same and t
¥.*. → 1	features in drain the war francis
	NOT THE TOURS OF THE PARTIES AND
ථා	Inexpensive - Arduino boardis are relatively
	omerpensive companied to athen
1 1	micaecon trolles pratificares.
	to the transfer of the state of
ران	Colors-platfague + The Arduène (Softwage (IDE)
	auws on windows, macimhosh osx,
. *	and LINUX operating systems
- 1 - 1	with the true of the said the contract was the
લાાં	simple, clear programming environment + The
	-Andrière Saftwasie (IDF) ies eary-to-
	use par beginners, yet plexible emough
. 1	fora advanced users to take advantage of
	ac well.
	Scanned with CamScanner



<u>(1,7)</u>	open source & extensible software + The
	arduèno sopruare às published as
	open source tooks, available you extension
	by experienced programments.
(4)	open source & extensible hardwave => The
	plans of the arduino boards are
	published under a collative communes liscemse
	wooking =
	and the second of the second of the second
*	The arduine is a board based on an ATMEL
	AYR migrocontrolles.
	The state of the s
*	The arduino wiconcontrolless has comme posses e
., .	input/output prouts, with which we can connect
	different - super of periphersals on the board
	alfferent signes of perdentisates of the board.
<u></u>	The supon of showe peripherals that you connect
75	will be transpersed to the microcontroller, which
	will be in charge of powcessing the data that
	comes enrough shem.
	The first section of the section of
- 11	on the other hand Anduino provides us
·	with software consisting of a developent
	environment (EDE) that implements the abdulmo
	the programming language.
*-	Arduine is a project e not a specific model.
_	



	of board, which means that shaving ichs
	bavic design you can jing different -oype
)	of boards.
¥-	
	& what is Rousphersony to with features and
	explain is usasiting at the figure t
Au	s The Rauphenouy Ro ics a love cost, coleder-cased
	siepol computer that pluges onto a computere
=	monitor or TV. and uses a standard beyboard
	e mouse. The ies a capable Distitle device
=	total enables people of all ages to explore
	compuling
	A STATE OF THE PARTY OF THE PAR
	foatures =
	The state of the s
-*	512 MB SORAM Memory
*	proadcom BCM2835 SOC full high definition
	multimedia processor.
*	Bual-casie video coole 14 multimedia coprocessor
*	Single 2.0 USB CONNECTION
-*	HOME (.ouev 1.3 & 1.4) composite RCA. (PAL e.
	NTSC) Noidea Coul.
*	3.5 mm Jack, HOME Audio Out.
-*	mmc, so, soon card slot on board strange.
· 1	The state of the s
	Woodping +
	V
*	The operating system pour all paspherouy pi
	products és limers.
	the state of the s



	•	e used with Raspherery Piè ies python-
-*	The language	wind with Raupherson brooks willing
S. 513	a general	propose e high revel programming
	LOW DUGGE	sed to develop graphical used web
	àuboulace (osed—to develop graphics and web
	applications	and the same of th
	1.2	is pile influent pusid of the later to the contract of
*	The west	basic model is the konspherious
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Line and	20,000 00 00	s ushile the geore does mot.
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	(DOT) (1)3	to projects designed
	Deaguest (sugaged.
	Tille The All	LEDILCO Display
		1 DED 1 000 P191
1 1-1	10 5100	HDMI Post Ti-camera
	PIR) Madula
	Seusoo	GSN BOURIA
		GIPIO18 Port
	Buggen -	distribution of the same of th
		(OIPIDIA) Etheonel
	ultravenic	post speakes
	Sensor +	GIPJO 20 Pauphenon
		GIPI0 23 Pi-3
	a toni at the	the same was a second of the s
	,	Doorbell Buggerer
	ب	ig: Block diagram of Racopherous Pi-3
	, ,	
		Scanned with CamScanner

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-Ausce	source Tor device and smoutphone
	os forom the chimerse remarkatione manufacture
	Hameo.
*	rue os abso seguros as a smart device
	development platforen.
*	The playpoin simplifies Dot device developent
<u>-</u>	& connectivity, while also focusing
<u>ngakot</u>	enhancing used expendence (ux)
رئأى	RIOT 05 - RIOT operating system is an
	open source as spectarsed for a
	devices in rather product and and all the second and and and and and and and and and a
- *	ROOT enables developeous jamilian with
	posix on linex to begin developing for
	Tot devices usite no leaduring crowe.
*	The way developed by a world-wide
	grassrooks community of companies,
	academic & hobbies.
<u>લેલ</u> ે)	Ting as - Ting as is an embedded
	le platform gon low-power wholess
	devices, such as those used in unseless
	devices, encir se process



*	Tiny os has been adapted by - our wards of
	developeous, coordouide on many platforains,
	for a broad range of wholess sensor
	metroopes.
-	
Du	34. usual agre the various applications of
	arduèno e raspondiny Pi ?
ews.	
	Applications of Rauphensey pi
	Parphenouy to based motor speed control.
	-Aeuto-intensity control of storect eights by
	cesing Rasphesical Pi
111	The state of the second of the
	Tologrammable regueratial runtationed by using
	kaspheary pi
(LŽ)	Rauphenny Rè Based Solan street lèghts.
ريع	synced music & distributions lights.
	the second of th
	Applications of Andriano -
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ຕຳ	weighting wachines.
1	Traffic lights count down timese.
	Parebèng ust countes:
	Embeded systems.
m	Home automation
	medical Instrument
CAR	Emergency light for milierays.
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