

Rajiv Gandhi Institute of Technology, Kottayam

No. D3/4234/17/RIT

Dated: 08.08.2017

TENDER SCHEDULE

Superscription	: Tender No.D3/4234/17/RIT, Purchase of various arduino and raspberry pi boards for various Departments
Last date and time receipt of tender	: 28/09/2017 11 a.m
Date and time of opening of tender	: 28/09/2017 2 p.m
Last date and time of sale of tender form	: 27/09/2017 2 p.m
Date upto which the rates are to be firm	: 31/03/2018
Cost of tender form	: Original Rs.1,180/- includes VAT 18% Duplicate Rs. 590/- -do- By Post Rs.1,215/-
Address of the Officer from whom Tender Forms are to be obtained to whom tenders are to be send	: THE PRINCIPAL, RAJIV GANDHI INSTITUTE OF TECHNOLOGY, VELLOOR P.O, PAMPAY, KOTTAYAM DISTRICT, KERALA, PIN - 686 501

List of Items Required

<u>Details of items</u>	<u>Quantity</u>
1 List attached	

PRINCIPAL

LIST OF ITEMS REQUIRED

Sl.No.	Item with Specification	Quantity
1	<p>BEAGLE BOARD- (ARM DEVELOPMENT BOARD) - Beagle Board -Xm Silicon Manufacturer: Texas Instrujments Core Architecture: ARM Core Sub- Architecture: Cortex-A8 Silicon Core Nuumber.AM3358 Silicon Family Name:Sitara -AM335x No. of Bits:32 bit</p> <p>Board Size 3.25" x 3.25 " DDR memory 512-MB LPDDR RAM Audio I/O Stereo audio out/in for microphone and headphones or speakers Camera Camera port DVI-D DVI-D output for ditial computer monitors and HDTVs JTAG JTAG header Memory High-cpacity microSD slot and 4-GB micro SD for memory or wireless connectivity Power Options hi- speed USB 2.0 OTG port powers the borad or 5V DC input Processor 1-GHz DM3730 (pin compatible withr AM3715 Sitara ARM Cortex-A 8) Software Validation and demonstration image from the Angstrom Distribution Compatibility- Angstorm Linux, Android, Ubuntu, Cloud9 IDE Accessories:- Micro HDMI to HDMI Cable, Power adapter, External powered 4 port USB Hub USB On-board four -port high-speed USB 2.0 hub with 10/100 Ethernet</p>	2 nos
2	<p>RSPBBERRY PI SINGLE BOARD COMPUTER:</p> <p>Raspberry Pi3 Model B64Bit Quad Core+Specifications Chip Broadcom- BCM2835 SoC Core architecture- ARM11 CPU- 700 MHz Low Power ARM1176JZFS Application Processor GPU- Dual Core Video Core IV® Multimedia Co-Processor Provides Open GL ES 2.0, hardware-accelerated Open VG, and 1080p30 H.264 high - profile decode Capable of 1 Gpixel/s, 1.5Gtexel/s or 24 GFLOPs with texture filtering and DMA infrastructure, Memory 512MB SDRAM Operating Systems Boots from Micro SDcard running a version of the Linux operating system Dimensions 85 x 56 x 17mm Power Micro USB socket 5V, 2A Connectors: Ethernet 10/100 BaseT Ethernet socket Video Output HDMI (rev 1.3 & 1.4) Composite RCA (PAL and NTSC) Audio Output 3.5mm jack, HDMI USB 4 x USB 2.0 Connector GPIO connector 40-pin 2.54 mm (100 mil) expansion header:2x20 strip Providing 27 GPIO pins as well as +3.3 V, +5 V and GND supply lines Camera Connector 15-pin MIPI Camera Serial Interface (CSI-2), Display Connector Display Serial Interface (DSI) 15 way flat flex cable connector with two data lanes and a clock lane, Memory Card Slot SDIO Accessories: External powered 4 port USB Hub, USB Keyboard and USB mouse, HDMI cable, 8GB SD Card, Enclosure transparent RPI-B+8MP NoIR Camera for Raspberry Pi, • 8 megapixel native resolution sensor-capable of 3280 x 2464 pixel static images, •Size 25mm x 23 mm x 9mm</p>	44 nos
3	<p>Arduino UNO R3 board Original -Made in Italy, ATmega 328 microcontroller, Input voltage-7- 12V, 14 Digital I/O Pins (6 PWM outputs), 6 Analog Inputs, 32k Flash Memory, 16MHz Clock Speed</p>	44 nos