

GOVERNMENT COLLEGE OF ENGINEERING, KARAD
(An Autonomous Institute of Government of Maharashtra)



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No. CEK/ ENTC/Quotation /2018-2019/3316

DATE - 25/10/2018

To,

Subject - Quotation for Embedded System kits

Dear Sir,

With reference to above, I have to request you to kindly quote your rates for below mentioned material for **Electronics and Telecommunication Engineering Department** of this Institute so as to reach this office on or before 20/11/2018 till 5.00 pm , The details are as given below -

Sr. No.	Description	Qty.
1	Embedded System ARM 7 based Development Kit Microcontroller LPC 2148 ARM7 TDMI 14MHz.	6
2	CORTEX M-4 based Development kit	6

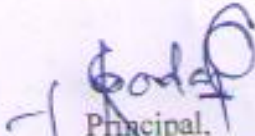
Your quotation should be valid for at least 30 days from the date of opening. The quotation should be sent to "The Principal, Government College of Engineering, Karad" in sealed envelope superscripted with word "Quotation of Embedded System for Electronics and Telecommunication Engineering Department" due on 20-11-2018 .The Institute does not bind itself to accept or reject the quotation. Please note that if there is any over-writing in the quotation, the said term will not be taken into consideration.

Terms and Conditions:

1. Quotation validity for at least 30 days from the date of opening.
2. Delivery period 4 weeks from date of supply order.
3. Payment 100% after delivery and satisfactory acceptance.
4. Warranty 12 months or more.
5. Total amount will be considered for final call for quotation.

The quotation will be opened on 21-11-2018 at 03.00 p.m.
Specifications are as enclosed.

Thanking you.


Principal,
Govt. College of Engineering, Karad.

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Sr. No.	Name and description of the equipment	Specification
1	<p>ARM 7 based Development Kit Microcontroller LPC 2148 ARM7 TDMI 14MHz</p>	<p>On Board:</p> <ul style="list-style-type: none"> • 16x2 LCD Display (Can use in 4 & 8 Bit) • 4 Digit 7 segment display • 4x4 Key Board • On Chip RTC with Battery • I2C based EEPROM, SD Card interface • Stepper motor & DC Motor Drive Control, • Relay & Buzzer & 8 nos. of LEDs, • Potentiometer for on chip ADC Experiment • All IO lines available to user on 10 Pin FRC Connectors x6 nos • 10 pin UEXT connector which supports three serial communication interfaces - I2C, SPI and RS232 • RS232C x 2 Ports & Device USB on user Friendly Connector • ISP In System Programming with on board USB Port. • All above interfacing should be isolated& independent working through FRC Cable • Free RTOS support with sample codes • GLCD, Zigbee and Bluetooth module <p>Following External interfaces must be provided with Kit :</p> <ul style="list-style-type: none"> • 128x64 GLCD with easy interface thru. 10 pin FRC S2C ZigBee Module with easy interface with 10 in FRC <p>Package Contents:</p> <ul style="list-style-type: none"> • LGS ARM DVK-1 • Power adaptor-1 • Stepper Motor & DC Motor-1 • USB & RS232C Cable- 1 • 10 Pin FRC Cable – 4 nos.
2	<p>CORTEX M-4 based Development kit</p>	<p>STM32 development board designed for STM32F407V series, features the Cortex M4 STM32F407VET6/STM32F407VGT6 MCU, and integrates various standard interfaces</p> <ul style="list-style-type: none"> • STM32F407VET6 : the high performance STM32MCU which features: • Core: Cortex-M4 32-bit RISC Feature: a full set of single-cycle DSP instructions • Operating Frequency: 168MHz, 210 DMIPS/1.25 DMIPS/MHz Operating Voltage: 1.8V-3.6V Package: LQFP100 • Memories: 512kB Flash, 192+4kB SRAM • MCU communication On Board Interfaces: • MCU core board connector: for easily connecting the Core407V • FSMC + SPI interface (16-bit FSMC + SPI): for connecting touch screen LCD • FSMC interface (8-bit FSMC): easily connects to peripherals such as Nand Flash, Ethernet, etc. • 1 x 8 I/Os with Switches & LEDs • 3-ch AD with POTx1 for all channels, for experimentation, 1-ch DAC, 4 x UART on connector • 3 x I2C, 1 x I2S, 2 x SPI, 1 x PS/2 on Connector • 1 x USB HOST, 1 x USB DEVICE, SN65HVD230 2 x CAN, DP83848 1 x Ethernet, • 1 - 16x2 LCD, 1 x PS/2, 1 x Joystick, 4x4 Key Pad, 4 Digit 7 segment display • DC & Stepper Motor Driver with Motors FM24CLXX FRAM Board (I2C) x 1 AT45DBXX Data Flash Board (SPI) NRF24L01 RF • 1 x 8 to 12-bit parallel camera interface • Bluetooth, Zigbee and graphic LCD <p>Package Contains:</p> <ul style="list-style-type: none"> • STM32F407 Development board x 1 open frame • USB type A plug to mini-B plug cable x 1 • 10 Pin FRC X 4 • USB power cable x 1 • Ethernet Cable x 1 6. Power Adaptor