

GOVT. COLLEGE OF ENGINEERING AND RESEARCH, AWASARI

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No. GCOEARA/Store/2015-16/

3838

Date:

27 NOV 2015

To,
HOD- Computer Engineering for display on College Website

Subject : Quotation for Equipments (for E & TC Engineering)


Please send your quotation for the following items on the terms and conditions listed below, mentioning our reference letter number, date and due date of quotation on your sealed envelop, on or before **11.12.2015** at 5.00 pm.

Sr.No.	Specification	Qty.	Unit
1	Trainer kit for schmit trigger using op-amp OP07/LM 741/LF356 Specification: On board power supplies: 0-12V variable, 0-5 V variable Mains Supply: 230V +-10 V, 50Hz, On board function generator: sine wave ,square wave, Facility to do experiment with or without external reference voltage, with clamped output using zener diode facility to observe different test points and output test points, Dust proof Encloser for kit, All necessary probes and accessories required for Experiments Following Experiments must be performed using Kit:, Design, build and test Comparator and Schmitt trigger.	1	No.
2	Trainer kit for three op-amp Instrumentation Amplifier (Typical Application) On board power supplies: 0-12V variable, 0-5 V variable Mains Supply: 230V +-10 V, 50Hz, facility to observe different test points and output test points, Calibration Facility, Dust proof Encloser for kit, All necessary probes and accessories required for Experiments Following Experiments must be performed using Kit:, Design, build and test three Op-amp instrumentation amplifier for typical application (Ex: temperature measurement), Implement Wheatstone bridge and balance for null condition. Calibrate bridge for 0°C and room temperature	1	No.
3	Trainer kit for PLL IC 565 (Typical Application) Specification: On board power supplies: 0-12V variable, 0-5 V variable Mains Supply: 230V +-10 V, 50Hz, facility to observe different test points and output test points, Dust proof Encloser for kit All necessary probes and accessories required for Experiments Following Experiments must be performed using Kit: Design, build and test PLL and any one application. Study PLL IC 565, Find the free running frequency	1	No.
4	Trainer kit for 2 bit DAC and 2 bit ADC. Specification: On board power supplies: 0-12V variable, 0-5 V variable, Mains Supply: 230V +-10 V, 50Hz, facility to observe different test points and output test points, Dust proof Enclosure for kit, All necessary probes and accessories required for Experiments, Following Experiments must be performed using Kit: 2 bit DAC and 2 bit ADC. A) Design and implement 2bit R-2R ladder DAC. Measure and verify output voltage practically and theoretically. Calculate resolution, step size and few more specification. B) Design and implement 2bit flash type ADC. Verify operation of comparators and priority encoder individually.	1	No.
5	Trainer kit for Square wave and Triangular wave Generator Specification: On board power supplies: 0-12V variable, 0-5 V variable, Mains Supply: 230V +-10 V, 50Hz, facility to observe different test points and output test points, Dust proof Enclosure for kit, All necessary probes and accessories required for Experiment , Square wave and Triangular wave Generator	1	No.
6	Trainer kit for sample and hold amplifier using Op amp 741, 356 or LF 398 On board power supplies: 0-12V variable, 0-5 V variable, Mains Supply: 230V +-10 V, 50Hz, facility to observe different test points and output test points, Dust proof Enclosure for kit, All necessary probes and accessories required for Experiments, Following Experiments must be performed using Kit: Test Sample and hold circuit using Op amp , Design, build and test Sample and hold circuit Design sample and hold circuit for given specifications, Implementation S &H using Op-amp (Any one 741, 356 or LF 398) Plot original signal, S&H signal, and Capacitor droop, Observe the effect of increase in input frequency on sampled output.	1	No.

7	Characteristics of DIC, TRIAC, and SCR Built in Power supply, Different test Points, Perform experiment on single board	1	No.
8	Triggering circuit for SCR (Using UJT or IC-785)(Single Phase Converter firing techniques) With test points for observe output of different blocks, On board AC sources of 15 V and 18 V, Two firing circuits on single board, Gradual firing angle control upto 180 degree	1	No.
9	Single phase AC voltage controller using SCRs for R load (Lamp Dimmer) Built in power supply, Easy to operate and understand, On board two firing circuit, Gradual firing angle control up to 180 degree, In-built, Power scope circuit, Switch for selection of firing circuit	1	No.
10	Delta, Adaptive Delta, Sigma Delta modulator & Demodulator Modulator and Demodulator on the same board, Selectable sampling Frequencies, Selectable step size for integrators, On board 2nd order Butterworth Low Pass filter, SMD LED Indicators. Input Channel: Time Division Multiplexed Serial Crystal Frequency: 6.400 MHz Sampling Clock Frequency: Synchronized and Adjustable Amplitude Sine Wave Generator	1	No.
11	PCM Trainer Transmitter and Receiver on same board. Variable sampling rates with respective line speed. Clock generation from 8MHz crystal Oscillator. On-board DDS signal generators for five different signals, On board 2nd order Butterworth low pass filter with cut-off frequency of 5kHz, On board Channel effect for Channel analysis	1	No.
12	ARM (LPC 2148) Development Board with Ucos II RTOS Support: ADC: Processor LPC2148 LED : 8 Nos, 2 *16 Character LCD Display Module, Stepper Motor Interface - on board 12 C RTC, 12 C EEPROM, RS232 serial port 2 Nos, 4*4 Matrix Keypad, 10 bit ADC, 10 bit DAC, 12V Power supply with 1.5 A rating	1	No.
13	ARM CORTEX Development Board : Processor 1768 with TFT Display, On chip SRAM-64 KB, On Chip flash 512 KB, 12 C EEPROM 256 KB, 12 C RTC with unique MAC ID, Eight general purpose LEDs, 4*4 Matrix Keypad, USB to serial Comport, one serial comport, one external interrupt, Two ADC (10 bit), 10/100 Mbps ethernet with RJ 45 Jack, One USB Host, (USB 2.0 Full speed), One UsB Device (USB 2.0)	1	No.
14	GPS Interface card	1	No.
15	GSM Interface card	1	No.
16	SD card with Memory	1	No.

Terms & Conditions

- 1 Taxes – Inclusive / if extra clearly mention the percentage.
 - 2 Delivery period –
 - 3 Payment Terms –
 - 4 Quotation Validity –
 - 5 Warranty -
 - 6 Guaranty-
- } Mention clearly
- 7 Delivery Charges – Free / if extra mention clearly.
 - 8 The part supply and its bill will strictly not be entertained.
 - 9 If you fail to supply the stores within the specified period, the order will be treated as cancelled without any information.
 - 10 The material will be accepted subject to approval (after inspection of the material), if rejected it will be returned to you at your cost.
 - 11 The material to be supplied should be strictly according to the specification only.
 - 12 Octroi is not applicable since Institute is located in Gram Panchayat area.
 - 13 Please attach copy of your shop registration certificate along with your quotation, without which your quotation will not be accepted.


(Prof. S.V. Joshi)
I/c Principal

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