



SRI AUROBINDO COLLEGE

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श्री अरविन्द महाविद्यालय

(दिल्ली विश्वविद्यालय)

मालवीय नगर, नई दिल्ली-110017

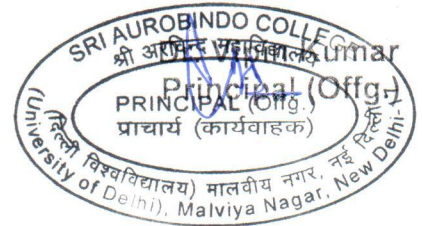
Dated 31.07.2017

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INVITATION FOR QUOTATIONS IN DEPARTMENT OF ELECTRONICS

Sealed quotations are invited for purchasing PIC Microcontroller Programming kit (using C) for Electronics Lab. The details are enclosed in Annexure- I. The sealed quotation super scribed "Quotation for Electronics Lab" should reach Department of Electronics, Sri Aurobindo College, Malviya Nagar, New Delhi – 110017, latest by 4.30 p.m. on 10.08.2017.

Schandra
31-7-2017
Mrs. Shobhna Chandra
Teacher-in-Charge
Department of Electronics



PIC Microcontroller Programming kit (using C)

It should be capable of performing following experiments

1. LED blinking with a delay of 1 second.
2. Interfacing of LCD (2 x 16).
3. Interfacing of stepper motor and Rotating stepper motor by N steps clockwise/anticlockwise with speed control.
4. To test all the gates of a given IC74XX is good or bad.
5. Generate sine, square, saw tooth, triangular and staircase waveform using DAC interface.
6. Display of 4-digit decimal number using the multiplexed 7-segment display interface.
7. Analog to digital conversion using internal ADC and display the result on LCD.
8. Implementation of DC-Voltmeter (0 – 5V) using internal ADC and LCD.
9. Digital to analog conversion using PWM(pulse delay to be implemented using timers).
10. Speed control of DC motor using PWM (pulse delay to be implemented using timers).
11. Serial communication between microcontroller and PC.

Sehanda
31-7-2017

