Department of Information Technology
**Indian Institute of Engineering Science
and Technology, Shibpur**
Howrah 711 103, West Bengal
India

Tel    : 91-(033)-2668-4561 (3 Lines)
     Ext. 260

Fax    : 91-(033)-2668-4564
     : 91-(033)-2668-2916

*Advt.No.WEB/IIEST/IT/17-18/16*                                      Date: 30.05.2017

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**IT Web Tender Advt. No. 01/Equip./Project/2017-18**
**Date: 30.05.2017**
**Notice Inviting Quotations**

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Complete sealed quotations are invited for the supply of items/works listed below as per specification mentioned. The quotation should include all kinds of taxes and delivery charges of the items to the Department of Information Technology, IIEST, Shibpur. The sealed quotations are to be submitted in the tender box in the office of the Department of Information Technology.

Last date of submission of sealed quotation is 7 days the date of publication and tenders will be opened on the next working day 12 noon.

*ITEMS:*

| Sl. No. | Name | Specification | Qty. |
|---|---|---|---|
| 1 | Features of the Arduino UNO | • Microcontroller: ATmega328<br>• Operating Voltage: 5V<br>• Input Voltage (recommended): 7-12V<br>• Input Voltage (limits): 6-20V<br>• Digital I/O Pins: 14 (of which 6 provide PWM output)<br>• Analog Input Pins: 6<br>• DC Current per I/O Pin: 40 mA<br>• DC Current for 3.3V Pin: 50 mA<br>• Flash Memory: 32 KB of which 0.5 KB used by bootloader<br>• SRAM: 2 KB (ATmega328)<br>• EEPROM: 1 KB (ATmega328)<br>• Clock Speed: 16 MHz | Number of boards – 10 nos. |
| 2 | Bluetooth XBee Shield V03 Module Wireless Control For XBee ZigBee Arduino | • 3v and 5v dual power output 3.3v and 5v IO compatible USB2.0 protocol Bitbang mode ready Easily connected to a PC via mini USB Cable XBee-setting support software X-CTU<br>• Size: Approx. 55x50x10mm<br>• It is made up of plastic material. | Number of boards – 10 nos. |
| 3 | Xbee 6.3mw Wire Antenna - Series 2c | • Transmit: 3.3V @ 33mA, Receive: 3.3V @ 28mA(Normal mode)<br>• 2.7V-3.6V working voltage<br>• 250kbps Max data rate<br>• 6.3mW output (+8dBm)<br>• 4000 ft. (1200m) range -Outdoor, 200 ft. (60m) - Indoor | Number of Unit – 5 nos. |
| 4 | 9V Battery | Robokart 9V HI-WAAT battery (pack of 5) and 9 V battery connector | Number of Unit – 2 Packs. |
| 5 | Jumper Wire | Breadboard Jumper Wire | 1 Packs |

(Dr. Arindam Biswas)
Head of the Department