

# **FACULTY OF ENGINEERING & TECHNOLOGY**

## **UNIVERSITY OF LUCKNOW**

**Second Campus, Jankipuram, Lucknow-226031 (U.P.)**

No. 191 /FOE/LU/2019

Date: 06.062019

### **QUOTATION NOTICE**

Sealed quotations are herewith invited for the Supply of **Microcontroller Laboratory**. The quotations should reach to the office of the undersigned latest by **20.06.2019 at 2:00 PM**. Detail of equipments / materials / items are as per bill of quantity attached. The terms and conditions are given below:

1. Price quoted should be F.O.R. **Faculty of Engineering, University of Lucknow, Second Campus, Jankipuram Ext., Lucknow-226031 (U.P.)**.
2. The detailed specifications and make of the equipments/ material must be given.
3. The firm should have executed similar work during last three years in academic institutions. The proof for the same should be attached.
4. The equipments manufactured in China will not be accepted.
5. Conditions regarding validity of tenders, delivery period, payment discount, Warrantee and Guarantee Period, Trade Tax, Excise & Custom Duty and insurance etc. should be mentioned clearly. Net prices should be quoted.
6. No sales tax form "C" or "D" etc. for concessional rates shall be provided by the University.
7. The quoted rates should be valid for at least **six months** from the date of opening.
8. Quotations without sample wherever required may not be accepted.
9. Free demonstration shall be done in the University premises if required.
10. In case of dealers, authorized distributors, dealer's certificate form OEM is required
11. The quantity mentioned in bill of quantity against each items will be treated as provisional and it may be changed depending on actual requirement.
12. Payment will be made only after successful installation and operation of the concerned Laboratory after verification.
13. GST Registration No. of University of Lucknow is **09AAAJL2388N2ZJ**. Please mention this number at the time of preparation of bills.
14. Deduction of TDS will be applicable as per Govt. Rules.
15. Any dispute will be subjected to **Lucknow (U.P.)**, Jurisdiction only.
16. The University have the right to accept or reject any or all quotations without assigning any reason.

**COORDINATOR**  
**Faculty of Engineering & Technology**

**FACULTY OF ENGINEERING & TECHNOLOGY**  
**UNIVERSITY OF LUCKNOW**  
*Second Campus, Jankipuram Ext., Lucknow-226031 (U.P.)*

**INFORMATION OF SUPPLIERS**

<b>Quotation</b>	<b>Microcontroller Laboratory</b>
Name of the firm with full address and contact number	
For	Faculty of Engineering & Technology, University of Lucknow, Second Campus, Jankipuram Ext., Lucknow-226031 (U.P.),
PAN/ GST No.	PAN GST No. (Attach proof)
Income Tax Return of last three years	Attach Copy
Original Equipment Manufacturers/Authorization Letter from O.E.M.	Attach proof
Turnover in the last three years	Attach proof
Details of Similar Work Executed during last Three years in academic institutions	Attach proof
Place of Quotation Submission	Office of Coordinator, Faculty of Engineering & Technology, University of Lucknow, Second Campus, Jankipuram Ext. Lucknow-226031 (U.P.)

**Signature and Seal of Supplier**

# MICROCONTROLLER LABORATORY

## Bill of Quantity

S. No.	Name of the Kit / Equipment	Specification	Qty.	Unit Cost	Total Cost
1.	<b>Universal Embedded Trainer.</b>	<p>The Universal Embedded Trainer Supports different microcontroller daughter boards like 8051, PIC, AVR, ARM7, Arduino, MSP430, etc and has on Board following Interfaces</p> <ul style="list-style-type: none"> <li>• <b>On Board USB interface for downloading and communications(using FT232B)</b></li> <li>• <b>RS232 serial port</b> for the user Design.</li> <li>• <b>On board Toggle switch for following Selection</b> <ul style="list-style-type: none"> <li>-Downloading the Program into the Microcontroller using Serial port</li> <li>-Downloading the Program into the Microcontroller using USB Port</li> </ul> </li> <li>• <b>On Board 8 channel ADC with potentiometers for giving input</b></li> <li>• <b>On Board DAC Chip</b></li> <li>• <b>On Board 16*2 LCD Display</b></li> <li>• <b>On board provision for interfacing 128x64 Graphical LCD</b></li> <li>• <b>On Board 4 seven segment Display</b></li> <li>• <b>On Board 4 X 4 Key Matrix</b></li> <li>• <b>On Board 8 LED Outputs</b></li> <li>• <b>On Board Two Relays(220V)</b></li> <li>• <b>On Board two Opto Isolated Inputs</b></li> <li>• <b>On Board Stepper Motor Controller Driver</b></li> <li>• <b>On Board DC Motor Controller</b></li> <li>• <b>On Board Serial EEPROM 24C04</b></li> <li>• <b>On Board Thermister Temperature sensor</b></li> <li>• <b>On Board LDR sensor</b></li> <li>• <b>On Board Buzzer output</b></li> <li>• <b>On board interface for servo motor</b></li> <li>• <b>On board 8x8 DOT LED Matrix interface</b></li> <li>• <b>On board RTC -1307</b></li> <li>• <b>On board SPI Eprom 25C040</b></li> <li>• <b>On board Temperature Sensor DS1820</b></li> <li>• <b>On board PS2 interface</b></li> <li>• <b>On Board Amplifier for sensors like RTD, Load cell and Thermo couple</b></li> <li>• <b>Built in Power Supply</b></li> <li>• <b>Enclosed in a Plastic Box</b> <ul style="list-style-type: none"> <li>• <b>Supplied with User Manual, Connecting wires, USB cables &amp; CD with Sample programs, Data Sheet &amp; necessary Software</b></li> </ul> </li> </ul>	03		
2	<b>MSP430 Daughter Board</b>	<ul style="list-style-type: none"> <li>• Based on MSP430G2553 Launch Pad</li> <li>• The board can be used independently without the Universal Embedded Trainer</li> <li>• Power through USB</li> </ul>	03		

