

UNIVERSITY OF CALICUT
(DEPARTMENT OF PHYSICS)

QUOTATION NOTICE

No. 135368/PHY-SO/2016/Admn

17/06/2017

Sealed competitive quotations are invited for the supply of various items to the Department of Physics for the KSCSTE funded project under the PIship of Dr. Mohamed Shahin Thayyil, entitled “**Reviving the Interest in Science through Electronics (RISE) sanctioned with Financial assistance.** For details log on to www.universityofcalicut.info. The rate quoted should be inclusive of all taxes. Quotation is to be submitted to the PI's address given below on or before 10/07/2017. Opening of Tenders: 3/07/2017 (9.30 AM, Department of Physics)

PI's address

Dr. Mohamed Shahin Thayyil
PI, KSCSTE Funded Project (RISE)
Department of Physics, University of Calicut
Malappuram, Kerala-673 635
Email: shahinth@gmail.com
Mob: 9961 824725

Specifications of the equipments are as follows:

No.	Items	Specifications	Number of items required
1	ExpEYES-17 Experimental kit based on PIC microcontroller developed by IUAC, New Delhi & Accessories	Exp-Eyes-17 board and full set accessories as per the design of the IUAC New Delhi for doing science Experiments: Accessories includes Software, USB cable, LDR (1 No.), LEDs(4Nos.), DC Motor(1 No.), Solenoid(1 No.), Magnets (4 Nos.), 4148 Diodes (2 Nos.), Piezo Buzzer (2 Nos.), Inductor(1 No.), Resistors (4 Nos.), Capacitors (4 Nos.), Microphone (1 No.), 3.3 V Zener Diode (1 No.), 2N2222 Transistor (1 No.), Alligator Clips (2 Nos), Jumper Wires (6 Nos.)	30 Nos.
2	Light Barrier	A photo-transistor plus LED combination using for measuring light transmission and for sensing the timing of mechanical movements.	15 Nos.
3	Mini Breadboard	Mini Breadboard is with 170 tie points for building and testing simple circuits.	30 Nos.
4	HC-SR04 ultrasound echo module.	This is ultrasonic ranging sensor. This sensor provides 2 cm to 400 cm of non-contact	15 Nos.

		measurement functionality with a ranging accuracy that can reach up to 3 mm. HC-SR04 module includes an ultrasonic transmitter, a receiver and a control circuit with four pins.	
5	LM35 temperature sensor	The LM35 is a precision integrated-circuit temperature device with an output voltage linearly-proportional to the Centigrade temperature. The operating temperature range is from -55°C to 150°C. The output voltage varies by 10 mV in response to every °C rise/fall in ambient temperature. Supply voltage; 5V (+3V to -2V), Output voltage (+6V to -1V)	15 Nos.



Dr. Mohamed Shahin Thayyil

Principal Investigator

CU Campus
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