

## Tender Notice

(Tender number: AP/MTT/SBC/IITKGP/25/12/2021)

The IEEE AP MTTTS Kharagpur (SBC20461B), under IEEE Kharagpur Section, R-10 invites sealed online tenders for procurement of components and equipment under SIGHT funding.

**Last date of tender submission:** 29/12/2021, 11:59 pm (IST)

Tender submission link : [Tender form for IEEE Sight Kit Procurement - Google Forms](#)

Sl. No.	Item Name	Quantity
<b>1</b>	<b>Basic Electronics Kit</b>	20
	Resistor Box	20
	Capacitors (Ceramic disc -5pcs each 5 Values) (Electrolytic (4 each 5 values))"	20
	Diode (1N4007 - 5 pcs, 1N4148 - 5 pcs, Zener Diode 5.1 - 2 pcs)	20
	OpAmp LM358	20
	555 Timer IC	20
	LEDs (2 each 4 colors) and SPST Switch 4 pcs	20
	400 tie-point Breadboard	50
	Breadboard Jumper Wire (Set of 65)	20
<b>2</b>	<b>Arduino Beginner Kit</b>	
	Arduino Uno R3 DIP with atmega16u2	50
	USB Cable for Uno 1m	40
	1602 LCD Display	40
	I2C Module for LCD Display	40
	Jumper Wire 20 each 2 types) (M-F, F-F)	40
<b>3</b>	<b>37 in 1 Sensor Kit</b>	
	Temperature sensor module	15
	Vibration switch module	15
	Hall magnetic sensor module	15
	Key switch module	15
	Infrared emission sensor module	15
	Laser sensor module	15
	Small passive buzzer module	15
	3-color full-color LED SMD modules	15
	Photo interrupter module	15
	2-color LED module	15
	Active buzzer module	15
	Temperature sensor module	15
	Temperature and humidity sensor module	15
	3-color LED module	15

		Mercury open optical module	15
		Photo resistor module	15
		5V relay module	15
		Tilt switch module	15
		Mini magnetic reed modules	15
		Infrared sensor receiver module	15
		XY-axis joystick module	15
		Linear magnetic Hall sensors	15
		Reed module	15
		Flame sensor module	15
		Magic light cup module	15
		Temperature sensor module	15
		5mm red and green LED (common cathode) module	15
		Knock sensor module	15
		Obstacle avoidance sensor module	15
		TCRT5000L sensor module	15
		Automatic flashing colorful LED module	15
		Analog Hall magnetic sensor module	15
		Metal touch sensor module	15
		Sensitive small microphone sensor module	15
		Sensitive Big microphone sensor module	15
		Finger measuring heartbeat module	15
		Rotary encoder module	15
<b>4</b>	<b>Smart Car Kit</b>		
		4WD Smart Car Chassis kit	4
		AA Battery (4pcs)	4
		L298N Motor Driver	4
<b>5</b>	<b>Multimeter</b>		10
<b>6</b>	<b>Servo Motor</b>		10
<b>7</b>	<b>SIM800L GSM Module with Spring Antenna and SIM Card Adapter</b>		8
<b>8</b>	<b>HC-06 Bluetooth Module</b>		8
<b>9</b>	<b>Solenoid lock 12 V</b>		4
<b>10</b>	<b>25W Soldering Iron and Accessories</b>		4
<b>11</b>	<b>Helping Hand for PCB with Multifunctional Magnifier (Magnifying Glass) and Soldering Iron Stand with LED Light</b>		2
<b>12</b>	<b>Single Strand Wire (red black) pack of 2</b>		2
<b>13</b>	<b>14/36 Multistrand Wire Roll (pack of 2) (Black and Red)</b>		2
<b>14</b>	<b>Screw Driver Set</b>		2
<b>15</b>	<b>Mi 10000 Mah Power Bank</b>		2
<b>16</b>	<b>Water level float switch</b>		8
<b>17</b>	<b>HC SR04 Ultrasonic Sensor</b>		8
<b>18</b>	<b>PIR Motion Sensor</b>		8
<b>19</b>	<b>MQ-2 GAS Sensor</b>		6
<b>20</b>	<b>Power supply (0-12)</b>		10
<b>21</b>	<b>Alligator Connectors (Pairs)</b>		20

22	Wire Stripper/ Cutter	20
23	Neo 6M GPS Module	4
24	Buzzer	40
25	Lithium-ion battery 18650 2200mah	20
26	18650 Battery Holder/Development Board Compatible	20
27	Solar panel 12v 20W + Charge Controller	2
28	Node MCU	8

*Vivek Dixit*  
23/12/21

Faculty Advisor 2022  
IEEE AP MTT IIT Kharagpur  
(Dr. Vivek Dixit)  
Asst. Professor Dept of E&ECE  
IIT Kharagpur

*Pallab Kr. Gogoi*

(Chair /SIGHT Coordinator-2022)  
IEEE AP MTT IIT Kharagpur

*Sevleena Deb Nath*

(Treasurer-2022)  
IEEE AP MTT IIT Kharagpur

**NB:** The supplier has to first upload the pdf copy of the tender using the link given below, once done the sealed hard copies addressing The Treasurer, must reach the following address latest by 30 Dec 2021. Only soft copy would not be considered as a successful application. The results of the bid would be available on the website by 1<sup>st</sup> Jan 2022 and the bid that wins would be contacted for the procurement after the documentations.

To the Treasurer,  
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