GOVERNMENT COLLEGE OF ENGINEERING, AMRAVATI
Kathora Naka, Amravati-444604
(An Autonomous Institute of Government of Maharashtra)
Towards Global Technological Excellence

THE ROBOTECH FORUM
In Association With
Alumni Association

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gcoea/rtf/2022/10 **/ 407**
Office of the Principal,
Govt. College of Engineering,
Amravati – 444604
Date: **04/02/2022**

To,

Subject: Quotation For 'Providing Electronics components for the Robo-tech Forum at Government College of Engineering, Amravati'.

Dear Sir,

    I request you to Kindly quote your lowest reasonable rates for providing components for ROBO-TECH Forum at Government College of Engineering, Amravati in the format given below and send the quotation in sealed cover so as to reach the undersigned on or before Date 14/02/2022. All quotations will be opened on 18/02/2022 at Government College of engineering Amravati at 3.30 PM.

Sr. No.	component	specification	quantity	cost
1	NVIDIA Jetson Nano Developer Kit-B01	AI developer Kit	1	
2	STM32F401CCU6 Minimum System Board Microcomputer STM32 ARM Core Board	Microcontroller	6	
3	STM32F411CEU6 Minimum System Board Microcomputer STM32 ARM Core Board	Microcontroller	1	
4	USB TO UART TTL 5V 3.3V FT232RL Download Cable to Serial Adapter Module For Arduino	Serial Adapter module	1	
5	Raspberry Pi 4 Model-B with 8 GB RAM	Single board Computer	1	
6	Raspberry Pi 4 Model-B with 4 GB RAM	Single Board Computer	2	
7	N20-12V-400 Rpm Micro Metal Gear Motor	Micro Gear Motor	6	
8	2.4GHz NRF24L01+PA+LNA SMA Wireless Transceiver Antenna	RF Module	4	
9	QTR-8RC Reflectance Sensor Array	Line Sensor	2	
10	TB6612FNG Dual Motor Driver Carrier	Motor Driver	2	
11	300W 20A DC-DC Buck Converter Step-down Module Constant Current LED Driver Module	Buck Converter	4	
12	1200w DC DC Boost Step Up Converter 8-60V to 12-83V 20A	Buck converter	2	

13	Raspberry Pi Pico	Microcontroller	3	
14	Teensy 4.1 Development Board	Microcontroller	1	
15	ESP32 S-CAM-CH340 Development Test Board WiFi+ Bluetooth Module ESP32 Serial Port with OV2640 Camera	Camera Module	1	
16	Ai Thinker NodeMCU-32S-ESP32 Development Board	Wifi + Microcontroller	1	
17	Sipeed MAIX Bit Suit With LCD, Camera	Camera + LCD + Microcontroller	1	
18	OpenMV Cam H7 – A Machine Vision Camera Module	Camera Module	1	
19	MCP2551 CAN Transceiver IC	CAN IC	8	
20	MCP2515 CAN Module TJA1050 Receiver SPI 51 Single Chip Program Routine Arduino	CAN Module	4	
21	NEO-6M GPS Module with EPROM	GPS	2	
22	ADK USB Host Shield compatible with Arduino	USB Host Shield	2	
23	Digital Multi Servo Tester ESC RC Consistency CCPM Master Speed Control	Servo Tester	2	
24	MPU6050	IMU	1	
25	ToF Vl6180	Distance Sensor	1	
26	7" Official Raspberry Pi Display with Capacitive Touchscreen	Display for raspberry Pi	1	
27	5MP Raspberry Pi 3/4 Model B Camera Module Rev 1.3 with Cable	Camera for Rasberry Pie	1	
28	Official Raspberry Pi Camera V2	Camera for raspberry pie	1	
29	Noel ABS De-soldering Pump	Desoldering pump	2	
30	TF02-Pro LIDAR Distance Ranging Sensor FOR DRONES UAV UAS Robots (40M) IP65 LiDAR	Lidar	1	
31	Arduino Nano	Microcontroller	5	
32	Arduino UNO	Microcontroller	5	
33	Soldering Flux	Soldering flux	10	
34	De-Soldering wick	Desolder Wire	4	
35	Sabertooth Dual 25A Motor Driver	Motor Driver	2	
36	Kangaroo X2 Motion Controller	Motion Controller	3	
37	N20-12V-600 Rpm Micro Metal Gear Motor	Micro Gear Motor	6	
38	Orange ISR 18650 2000mAh (10c) Lithium-ion Battery	Battery	12	
39	BX100 1-8S Lipo Battery Voltage Tester	Voltage Tester	5	
40	LiPo Battery Voltage Checker 1S-8S with Buzzer	Voltage Tester	10	
41	Logic level converter	Logic level Converter	5	
42	Soldron 878D Station	Soldering Station	1	
43	Jumper Wire (Male - Male) 40Pcs	Wire	8	
44	Jumper Wire (Male- female) 40Pcs	Wire	8	
45	Jumper Wire (Female - Female) 40Pcs	Wire	8	
46	Standard Temperature 40 Watt Hot Melt Glue Gun with On/Off Switch	Glue Gun	2	
47	Glue Sticks for Glue Gun	Glue Gun Sticks	10	
48	HTC 830L+ Digital Multimeter	Multimeter	5	
49	9 x 15 cm Universal PCB Prototype Board Double-Side	PCB	5	

50	15 x 20 cm Universal PCB Prototype Board Single-Sided 2.54mm Hole Pitch	PCB	5
51	SanDisk Micro SDXC USH-I 64GB Class 10 Memory Card	Memory Card	5
52	1.3 Inch I2C/IIC OLED Display Module 4pin- WHITE	OLED	1
53	2.4-inch SPI Interface 240×320 TFT Display Module	TFT Display	2
54	A Set of 150mm Long Heat Shrink Sleeve (1mm to 5mm) Red and Black Industrial Grade WOER (HST)	Heat Sink	3
55	SIM800L GPRS GSM Module Core Board Quad-band TTL Serial Port with the antenna	GPRS GSM Module	2
56	Planetary Gear DC Motor with Encoder 12V 500 RPM 0.5 N-m Torque – TPG28395126000-12KE	DC Motors	4
57	TP-Link USB Bluetooth Adapter for PS4	PS4 Receiver	1
58	SunRobotics SMPS Industrial Power Supply 24V 20A (Silver)	SMPS	1
59	24V 30A SMPS - 720W DC Metal Power Supply	SMPS	1
60	O Drive DUAL SHAFT MOTOR D6347 150KV	Motor	2
61	O Drive v3.6 24V	Motor Driver	1
62	8192 CPR Encoder With Cable	Encoder	2
63	ST link and USB Extension	Cable	2
64	Nema 23 Stepper motor 120kgcm with planetary gear	Motor	2
65	EBIKE DC MOTOR MY1016 24V 2750RPM 500W WITH CONTROLLER	MOTOR	2
66	T- Motor AT4120 LONG SHAFT 500KV	Motor	2
67	T- Motor AT 75A 6S ESC	ESC	2
68	Acrylic Case For Rasberry PI 4 Model B with Cooling fan Slot	Controller	4
69	MINI USB Host shield 2.0 ADK	USB host shield	3
70	CORAL G950-01456-01 USB Accelerator	USB Accelerator	1
71	Lenovo 300 FHD Webca with full stereo Dual Built-in mics	Webcam	1
72	T-MOTOR AT4120 LONG SHAFT 500KV	Motor	2
73	T-MOTOR AT 75A 6S ESC	Electronic Stability Controller	2
74	RMCS-1101 - Rhino Micro-Stepping Stepper Motor Drive 18-80V 7A	Motor Driver	2

Note: The Dispatch number of this office, Subject 'Providing electronics components for the ROBO-TECH Forum at Government College of Engineering, Amravati' and the department (ROBO-TECH Forum) for which the quotation is desired should necessarily be super scribed on the envelope. The address is Principal, Government College of Engineering, Amravati, Near Kathora Naka, VMV Road, Amravati - 444604.

TERMS AND CONDITIONS.

Validity: The rate offered should be valid for 150 days from the date of opening quotations.
Delivery: Rates quoted will be considered for free delivery at college premises unless stated.
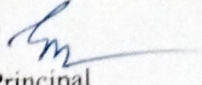Payment: 100% payment will be released after receiving the material in satisfactory condition, testing, and certified by the respective authority.
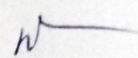Taxes: Rates quoted will be presumed inclusive of all taxes unless otherwise stated.

General:

1) St/CST/VAT/GST mentioned in the quotation, otherwise the quotation will be treated as invalid.

2) The rates shall preferably be quoted both in words, and figures. All cutting, overwriting shall be duly initialed failing which the quotation is liable to be rejected.

3) The undersigned reserves the right to reject any or all quotations without assigning reason.

Principal
Govt. College of Engineering,
Amravati.

-Copy to Notice Board.
-Copy to Institute Website.