



NURTURING A HABIT OF EXCELLENCE

MARIAN

ENGINEERING COLLEGE

Managed by Latin Archdiocese of Trivandrum



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No. MEC/QR-72/PRL/PA/26-27/18

10.06.2026

QUOTATION NOTICE

Sealed quotations are invited for the supply, testing, installation and demonstration of **Internet of Things (IoT) Laboratory Equipment** with the specifications attached in annexure -1. Quotations, along with terms and conditions, may reach this office on or before 17.06.2026 at 3pm.

GENERAL REQUIREMENTS

- All supplied equipment shall be new and unused.
- Equipment shall conform to standard industrial and educational specifications.
- Necessary datasheets, manuals, and documentation shall be supplied.
- All accessories required for successful operation shall be included.
- Equivalent or higher specifications may be offered subject to approval.

Separate boxes (if possible labeled) required for keeping equipment's.

- A minimum warranty of one year shall be provided for applicable equipment's.
- The supplier shall complete delivery within 15 days from the date of Purchase Order.

Conditions

- Quotations should be submitted in sealed cover before the last date and time and late submissions on any reason will be rejected summarily. Quotations submitted incomplete in any respect such as unattested, with errors and corrections etc. will be summarily rejected.
- The Rate should be quoted as per specifications stating price and GST. GST on cost will be considered only if the GSTIN is mentioned in the quotation
- The Quotation should contain the details of brand name, maker, distributor etc.
- The rate should include all types of cost such as installation, loading and unloading etc.
- The final decision on the acceptance/rejection/finalization/postponement of the quotation is solely rests with the Management and the claim of any sort cannot be entertained in this matter.

For more details, please contact in the above numbers or the College office during working hours.

Approved

BURSAR

Copy to: Manager, Principal, Dean, Bursar, HOD (AH), Central store, & Enquiry

Annexure – 1

Technical Specification for Procurement of IoT Laboratory Equipment:

Sl. No.	Item Description	Technical Specification	Qty.
1.	ESP32 Development Board	ESP32-WROOM-32, Wi-Fi, Bluetooth, USB Interface, 30+ GPIO Pins	15
2.	DHT11 Sensor Module	Temperature and Humidity Sensor compatible with ESP32	15
3.	Light Sensor (LDR) Module	Analog Light Sensor Module	15
4.	LM393 Sound Sensor Module	Analog/Digital Sound Detection Module	15
5.	Relay Module	Single Channel 5V Relay Module	15
6.	L298N Motor Driver Module	Dual H-Bridge Motor Driver Module	15
7.	DC Geared Motor	6V–12V DC Geared Motor compatible with L298N	15
8.	LED Kit and Resistors Kit	Assorted LEDs with current limiting resistors	15
9.	Active Buzzer Module	3.3V/5V Active Buzzer	15
10.	5V DC Fan Module	5V Brushless DC Fan	15
11.	Solderless Breadboard	Full-size solderless breadboard, minimum 830 tie points, dual power rails, laboratory-grade quality.	15
12.	Jumper Wire Set	Male-Male, Male-Female and Female-Female jumper wires	15
13.	USB Data Cable	Suitable for ESP32 programming	15
14.	Breadboard Power Supply Module	3.3V/5V selectable power supply module	15
15.	Raspberry Pi 5	Minimum 8GB RAM, Wi-Fi, Bluetooth, Gigabit Ethernet	2
16.	Raspberry Pi Accessories Kit	Power Adapter, 64GB MicroSD, Case, Heat Sink, Fan	2
17.	Raspberry Pi Camera Module	Compatible camera module	1
18.	Push Button Switch Kit	Digital input experiment kit	5
19.	22 AWG Solid Core Hook-up Wire Kit (Multi-color)	22 AWG Solid Core, Multi-color, Breadboard Compatible, Minimum 5 m per Color	3 kits
20.	DC Power Adapter / SMPS	12V DC, Minimum 2A Output, Regulated Power Supply suitable for Motor Driver and IoT Projects	10
21.	Servo motors	SG90 Micro Servo	5
22.	Wi-Fi Router (Dual Band)	Dual-Band Wi-Fi Router, 2.4 GHz and 5 GHz, minimum 4 LAN ports, 802.11ac or higher	1