



A.V.C. COLLEGE OF ENGINEERING

[Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai]
[Accredited by NBA (CSE, EEE, ECE & Mech) & NAAC with 'A' Grade (3rd cycle) |
[An ISO 9001:2015 Certified Institution]

Mannampandal, Mayiladuthurai District, Tamilnadu-609305



AICTE - RESEARCH PROMOTION SCHEME (RURAL)

Tender Notice and Specification of equipments

A.V.C. COLLEGE OF ENGINEERING
Mannampandal, Mayiladuthurai - 609305

TENDER NOTICE

Sealed Tenders are invited for the supply of Systems and sensors for Computer Science and Engineering Lab from the reputed suppliers for AICTE funded RPS Project.

Last date for submission of tenders: **17.09.2024**

For detailed specification, Visit our college website:

www.avccengg.net

PRINCIPAL

Specification of the Equipments

| Name of the Equipment | Specifications | Quantity |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| Client Computers (Desktop) | HP : Monitor 23.8" 24-CB 1907 IN All-in-One Desktop Computer , 12thGen Core i5-1235, 8 GB DDR4 RAM , 1 TB HD | 4 |
| Microcontroller Arduino UNO Board | <ul style="list-style-type: none">) Microcontroller ATmega328P) Operating Voltage: 5V) Input Voltage(recommended): 7- 12 V) Input Voltage (limit): 6-20 V) Digital I/O Pins: 14 (of which 6 provide PWM Output)) PWM Digital I/O Pins: 6) Analog Input Pins:6) DC Current per I/O Pin: 20 mA) Flash Memory : 32 KB (0.5 KB is used for Bootloader)) SRAM : 2 KB) EEPROM : 1 KB Frequency (Clock Speed) : 16 MHz | 3 |

| | | |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| <p>Raspberry Pi 5 Model B 8GB RAM</p> | <ul style="list-style-type: none">) Model: Raspberry Pi 5 Model 8GB) Processor:64-bit Arm Cortex-A76 CPU) RAM:8GB LPDDR4 SDRAM) Connectivity:2 × USB 2.0 Ports, 2 × USB 3.0 Ports, Bluetooth 5.0, USB-C, Wi-Fi + Bluetooth® Low Energy) GPIO: Standard 40-pin GPIO Header) Multimedia: H.265 (4Kp60 decode)) Video and Sound:2 × micro HDMI ports (up to 4Kp60 supported), 4-pole Stereo Audio and Composite Video Port) Clock Speed:2.4 GHz) On Board Ports: 1 x DSI, 1 x Ethernet, 2 x Micro HDMI, 2 x USB 2.0, 2 x USB 3.0, 40-pin 2.54 mm (2×20 strip) GPIO) USB Type-C port) Micro-SD Card Slot: Yes, Supports high-speed SDR104 Mode) Operating Temperature (°C):-10 to 60) Dimensions(L*W*H):85*56*8mm) Weight (g):105 <p>Built in with IR-Cut Camera module for Raspberry Pi 3/4 with Automatic Day Night Mode</p> | 2 |
| <p>Sensors built-in with the above Boards</p> | <ul style="list-style-type: none">) Temperature Sensor) Distance Sensor) ECG/EMG Sensor) Vibration/ Tilt Sensor) Ultrasonic sound sensor) Proximity Sensor) Environmental sensor) SPO2 Sensor) Galvanic skin Response sensor | |

Sealed tenders to be addressed to
The Principal,
A.V.C. College of Engineering,
Mannampandal, Mayiladuthurai - 609305