



Shetkari Shikshan Prasarak Mandal's

Jaywant College of Engineering and Polytechnic

(Approved by AICTE, New Delhi, DTE, Govt. of Maharashtra, Affiliated to SUK & BATU, Lonere)

Jaywantnagar Killemachindragad, Tal. Walwa 415302, Dist. Sangli, Maharashtra INDIA

DEPARTMENT OF E&TC

Date: 28/2/2025

LIST OF EQUIPEMENTS REQUIRED

Sr. No.	Item name with specification	Quantity
1	Arduino UNO KIT: Uno R3 ATmega328P Compatible Development Board- Compatible with Arduino - DIP Version (With Cable)	10
2	Sensor Kit bundle, 37 sensor kit: Temperature sensor module, Vibration switch module, all magnetic sensor module, Key switch module, Infrared emission sensor module, Laser sensor module, Small passive buzzer module, 3-color full-color LED SMD modules, Photo interrupter module, 2-color LED module, Active buzzer module, Temperature sensor module, Temperature and humidity sensor module, 3-color LED module, Mercury open optical module, Photo resistor module, 5V relay module, Tilt switch module, Mini magnetic reed modules, Infrared sensor receiver module, XY-axis joystick module, Linear magnetic Hall sensors Reed module, Flame sensor module, Magic light cup module, Temperature sensor module, 5mm red and green LED (common cathode) module, Knock sensor module, Obstacle avoidance sensor module, TCRT5000L sensor module, Automatic flashing colorful LED module, Analog Hall magnetic sensor module, Metal touch sensor module, Sensitive small microphone sensor module, Sensitive Big microphone sensor module, Finger measuring heartbeat module, Rotary encoder module.	2
3	Raspberry Pi 4 module B 5 GHz quad-core Arm® Cortex®-A72 CPU, VideoCore VI graphics, 4kp60 HEVC decode, True Gigabit Ethernet	5
4	Pibox Raspberry Pi Metal Aluminum Case with Double Fans for Raspberry Pi 4B (Black)	5
5	Universal Digital Trainer Kit: power Supply: 5Volts/1Amp, +/- 12Volts/1Amp, • 4 no's of imported 16 pin ZIF sockets • 1 no of 680 pin solder less bread board • TTL clocks from 1 Hz to 1MHz, • 2 no's of decimal display, • 12 no's of logical input • 12 no's of logical output • Mono pulse with low & high level flashers • 2mm Terminals are used 10 no's patch chords and manual	10
6	AR VR Meta quest 512GB Kit: 512GB of Internal Storage, Full-Color Passthrough, 2064 x 2208 Resolution per Eye, XR2 Gen 2 Snapdragon Processor, Ring-Free Touch Plus Controllers, TruTouch Haptic Feedback, 40% Slimmer Than Quest 2, Built-In 3D Spatial Audio, Works with All Quest Apps & Games Adjustable Strap, Lens Depth & IPD	2
7	Quad copter combo Kit 1 x Pixhawk Flight controller board, 1 x DJI F450 Quadcopter Frame Kit 4 x A2212 1000KV Brushless Motor For RC Airplane / Quadcopter 4 x 30A Brushless ESC, 2 x 1045 Propeller 10in 10x4.5 For Drone 1 x Flysky FS-i6S 2.4G 10CH AFHDS Transmitter With FS-iA10B 10CH Receiver, 1 x APM Pixhawk Power Module with XT60 1 x Nylon Strap Belt for RC Lipo Battery 1 x 3D printed Shock Absorber Anti-vibration Set for APM Pixhawk	2

