

**Haldia Institute of Technology**  
An Autonomous Institution  
(A Unit of ICARE)

Sealed quotations (in the prescribed format only) are invited from the resourceful vendors for the following to set up Robotics Lab in the department of Electronics & Communication Engineering. A single vendor will be selected for all the products and the vendor will be responsible to set up the lab. Last date of submitting quotation is **23/12/2024**.

(The Institute has the right to cancel the quotation if not mentioned the specification of the component and not maintained the format.)

Principal  
HIT

**LIST OF COMPONENTS FOR ROBOTICS LAB**

Sl. No.	Product	Description	Qty	Unit Cost	GST %	With GST Unit Price
1	Robotic Arm level job	HiCoobot 280 Raspberry Pi 2023 - 6 DOF Collaborative Robotic Arm (Raspberry Pi Version) All in 1 Suite	2			
2	Human Robot with Camera	TonyPi Pro Hiwonder Humanoid Robot Professional Development Kit Powered by Raspberry Pi 5	2			
3	Human Robot without Camera	H5S Hiwonder 16DOF Intelligent Humanoid Dancing Robot Supports Entertainment Display	2			
4	Robotics Arm - Basic	TinkerkitBraccio robot	4			
5	Arduino Uno Board	Arduino Uno Rev3	6			
6	Stepper Motor	Standard stepper motor, 5 V - 28BYJ-48	4			

7	Ultra sonic Sensor	Ultrasonic Distance Sensor HC-SR04 Module Circuit Board, Arduino Sensor	4			
8	USB Cables	amazon basics Type A to Micro USB Braided Cable   3A/18W Fast Charging and 480 Mbps Data Transfer Speed   1.2m, Tangle Free Cable	10			
9	Positions Sensor	Long Stroke Linear Potentiometer, 5 K	1			
10	Colour Sensor	TCS3200 Color Recognition Sensor Module for MCU Arduino	2			
11	Camera module	Techtonics OV7670 640x480 VGA CMOS Camera Image Sensor Module for Arduino,ARM& other MCU	2			
12	Robotic Gripper	LG-NS Robot Gripper	2			
13	End effectors(Cutting/welding)		1			
14	3D Printer	Build Area: 220 mm x 220 mm x 270 mm, Build Plate Temp Max: 110 °C, Max Nozzle Temperature: 300 °C, Extruder Type: direct drive, Build Plate Leveling System: Automatic – CRTouch.	1			