Sadhana Shikshan Mandal's
SARASWATI COLLEGE
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● Approved by AICTE, New Delhi & D.T.E. M.S., Mumbai ●
● Affiliated to Sant Gadge Baba Amravati University, Amravati ● Code:-

Outward No. SSM/SC/IOTLab/2022/8023

Date:20/04/2022

Certificate

This is to certify that the college has established an innovation lab (in the area of IoT, Robotics and Artificial Intelligence) in utilization and the following equipment are available in the lab.

Sr.No.	Device Name	Quantity
1	Multi-meter (Rishabh)	1
2	Memory Card 64GB Scandisk	7
3	Soldering Iron	2
4	Portable SMPS variable wattage micro soldering station	1
5	Desoldering Pump	2
6	CARD READER 2 KDM	2
7	Bread Board	28
8	RR Cable electric wire	1
9	Charger 5v-2A	5
10	Charger 5v-2.2A	1
11	USB TYPE C Cable	5
12	Raspberry pi 4GB RAM+FAN+ CASE	5
13	Pi Camera	1
14	Raspberry pi 3B + 1GB Ram	1
15	HDMI to VGA Adapter	7
16	Micro HDMI to HDMI	5
17	Cutter wire stripper	3
18	Glue Gun	1
19	Screw driver set-1	1
20	Motor driver	5
21	ESP 32	12
22	Type-B USB Cable	12
23	Arduino Uno + Cable	7
24	Arduino Mega + Cable	1
25	Jumper Cable f-f, m-f, m-m,f-f	1set
26	One Channel Relay	22
27	4Channel Relay	4

Sr.No.	Device Name	Quantity
28	LED RGB	1 set
29	Arduino Adapter	5
30	Holder	10
31	DHT-11	13
32	LED Light 5W	10
33	Stepper Motor	10
34	Two pin(2)	10
35	PIR Motion Detection Sensor	8
36	Toy Motor	5
37	RFID Card	5
38	Ultrasonic Sensor	5
39	Soil Moisture Sensor	3
40	GSM Module	1
41	IR Sensor	3
42	Water Sensor	2
43	RF TX&RX	2
44	MQ4 Natural Gas Sensor	1
45	Bluetooth module	1
46	LDR	30
47	ULN Module 2003	5
48	IC Seven segment preset, L293D IC, 7447 IC	
49	WIFI USB mini adapter (Zerbronics)	3
50	x-box Gaming Pad	1
51	x-box Gaming Pad wireless	1
52	Solar wire + soldering paste	1
53	Tapper Tool, Tester	4
54	Solderless Bread Board	3+3
55	LCD Display 16*2	7
56	SG 90 Servo	10
57	Cooling Fan	3
58	Resistor Bank	1set
59	Buzzer Big	2
60	Buzzer Small	10
61	POT 10K	10
62	**Niryo robotic arm from Germany (of INR 6 Lakhs)**	**1**

Principal
Saraswati College,
Shegaon