

## Instrumentation Laboratory D.C.P.E. H.V.P.M. Amravati

The Instrumentation Laboratory is established in the year 2017-18 for the students, research scholars and faculties of the College who are actively engaged in R&D activities in the emerging areas of science, technology & engineering. The Instrumentation Laboratory is presently having sophisticated instruments like hardware tools, electronic sensors, Arduino Uno board etc. The process for procurement of other sophisticated instruments is in progress. These instruments are generally used to pursue R & D activities in the college.



Sr.No .	Name	Designation	Email	Contact No.	Year
1	Asst.Prof. S. A.Winchurkar	Lab In-charge	<a href="mailto:sachinwinchurkar@gmail.com">sachinwinchurkar@gmail.com</a>	8446169929	From 2017-18
2	Dr.S.S. Pande	Member	<a href="mailto:sumitapande@yahoo.com">sumitapande@yahoo.com</a>	9881238766	From 2017-18
3	Asst.Prof.Y.M.Pharkade	Member	<a href="mailto:Yogifr123@gmail.com">Yogifr123@gmail.com</a>	9420401646	From 2017-18
4	Asst.Prof.S.K.Ganvir	Member	<a href="mailto:siddharthgnvr@gmail.com">siddharthgnvr@gmail.com</a>	9765620681	From 2017-18
5	Asst.Prof. S. P.Sarkate	Member	<a href="mailto:Ssarkate54@gmail.com">Ssarkate54@gmail.com</a>	9764373713	From 2018-19

## The Laboratory has following instruments and tools

Sr.No.	Description	Quantity
1	Solder Gun 25W	2
2	Ribin Wire 6 foot	1
3	Universal Programmer	1
4	Glue Gun	1
5	Glue Gun Sticks	10
6	Solder Wire Bundle	2
7	solder Paste	1
8	PCB Drill Machine mains operated	1
9	Solar Panel 12 volt 10W	1
10	Lead cutter	2
11	Micro iron temp. control Solder Gun(Max-550)	1
12	Ferric Chlorides (FeCl <sub>3</sub> )	3
13	Variable Power Supply 1A 3V-to-12V	1
14	De-solder Wire	1
15	De-solder pump	1
16	PCB Cleaning Solution	1
17	Wire Stripper	2
18	Tweezers Set	1
19	Digital Multi-meter(MAS-830L)	2
20	9V battery	10
21	9V battery snapper	5
22	Magnifying lens with led light	1
23	Bread board	1
24	5mm LED, RED, GREEN, BLUE and White	30 each
25	Arduino UNO	1
26	Arduino male female and male to male wires	30 each
27	16 X2 LCD module with pins(female)	1
28	Bluetooth Module HC 05	1
29	ESP 8266 wifi module	1
30	IR obstacle sensor	1
31	Water Sensor	1
32	Ultrasonic TX RX	1
33	Arduino motor driver(combined)	1
34	L293d Motor driver	1
35	LM35 temperature sensor	1
36	Buzzer small	1
37	Buzzer big	1
38	BO motor 80 RPM+Wheel	1

39	PCB Holding tray	1
40	Extension box	1
41	Single Strand wire bundle 10 meter	2
42	Hacksaw with blade	1
43	Vice	1
44	Thermocool Cutter	1
45	Rotary hacksaw cutter	1
46	Rotary hacksaw cutter Blade	1
47	Hardware tool kit box	1
48	Hammer	1
49	screw driver set	1
50	Measuring tape 5 meter	1
51	File with handle	1
52	Adjustable Wrenches	1
53	Wrenches set for all nut-bolts	1
54	Fevi quick bottle 25 ml	1
55	Tester	1
56	Seizer	1
57	Drill machine	1
58	Drill machine bits	3
59	Combinational pliers	1
60	Screw	1
61	Nose pliers	1
62	Pliers	1
63	Cello Tape	1
64	tin cutter Seizer	1

**Lab In-charge**

**Asst.Prof. S. A.Winchurkar**

**D.C.P.E H.V.P.M Amt.**