



**SIR PADAMPAT SINGHANIA UNIVERSITY**  
**Udaipur**

**List of Laboratories for Undergraduate and Post graduate courses:**

<b>S.No.</b>	<b>List of Laboratories for Undergraduate and Post graduate courses</b>
1	Chemistry Lab
2	Physics Lab
3	Engineering Drawing & Computer Aided Drafting Lab
4	Manufacturing Practices Lab
5	Basic of Electrical and Electronics Engineering Lab
6	Cell Biology Lab
7	Manufacturing Practice Lab
8	General Microbiology Lab
9	Biochemistry Lab
10	Molecular Biology Lab
11	Immunology Lab
12	Plant Tissue Culture Lab
13	Bio process Engineering Lab
14	Genetic Engineering Lab
15	Enzyme Engineering and Technology Lab
16	Bioinformatics Lab
17	Food Science Engineering Lab
18	Analytical Techniques in Biotechnology Lab
19	Introduction to Computers & Programming Lab
20	Introduction to Database Systems

21	Programming Languages Lab
22	Computer Architecture Lab
23	Design Practices in Computer Science Lab
24	Operating System Lab
25	Analysis and Design of Algorithms
26	Computer Networks Lab
27	Compiler Design Lab
28	JAVA and Advanced Java Programming Lab
29	C# and .Net Technology Lab
30	Computer Graphics Lab
31	Game Design Lab
32	Artificial Intelligence Lab
33	Cryptography Lab
34	Simulation and Modeling Lab
35	Digital Hardware Design Lab
36	Web Based Android Application Development Lab
37	File Structure and Information System Design Lab
38	Data Mining and Knowledge Discovery Lab
39	Pattern Recognition Lab
40	Solid Mechanics Lab
41	Engineering Geology Lab
42	Fluid Mechanics Lab
43	Surveying Lab
44	Building Planning, construction and Drawing Lab
45	Hydraulics and Hydraulic Structures Lab
46	Concrete Technology Lab

47	Transportation Engineering Lab
48	Geotechnical Engineering Lab
49	Environmental Engineering Lab
50	Electrical Technology Lab
51	Computer Architecture and Operating Systems Lab
52	Measurements and Electronic Instrumentation Lab
53	Electrical Machine Lab
54	Industrial Instrumentation Lab
55	Digital Signal Processing Lab
56	Power Systems Lab
57	Electric Drives Lab
58	Control and Electronic System Design Lab
59	HVDC and FACTS Lab
60	Analog Integrated Circuits Lab
61	Analog Electronics Circuits Lab
62	Analog Communication Lab
63	Signals and Systems Lab
64	Control Systems Engineering Lab
65	Digital Communication Lab
66	Microprocessors Lab
67	RF and MW Engineering Lab
68	VLSI Engineering Lab
69	Embedded System Lab
70	Power Electronics Lab
71	Optical Communication Lab
72	Antennas and Propagation

73	Mobile Communication
74	Machine Drawing Lab
75	Machine Shop Lab
76	Fluid Mechanics and Hydraulic Machine Lab
77	Strength of Material and Dynamics of Machine Lab
78	Thermal, Vibration and Instrumentation control Lab
79	Metrology, Metallography, Machine Process and Tribology Lab
80	Solid Modeling Lab
81	Machine Design Lab
82	Numerical Computations Lab
83	Advanced Algorithmic Techniques Lab
84	Advanced Computer Graphics Lab
85	Simulation and Modeling Lab
86	Signal Processing and Applications Lab
87	Digital CMOS Design Lab
88	Advanced Communication Lab
89	Advanced Computer Architecture Lab
90	Embedded System Design Lab
91	Analog VLSI Design Lab
92	Finite element Methods in Engineering Lab
93	Advanced Mechanical Vibrations Lab
94	Logic Design Lab
95	Data Structures Lab
96	Operating Systems Lab
97	Object Oriented Programming in C++
98	Computer Graphics Lab

99	Design & Analysis of Algorithms Lab
100	Data Mining & Warehousing Lab
101	Web Based System Designs Lab
102	Artificial Intelligence Lab
103	Cryptography Lab
104	Soft Computing Lab
105	Thermal Engineering Lab
106	Mining Geology – I Lab
107	Mining Geology – II Lab