

## CENTRAL INSTRUMENTATION ROOM & MACHINE ROOM

The Central Instrumentation of Facility SPLP has adequate instruments for conducting a practical session in the course curriculum. Instruments like UV-VIS Spectrophotometer, Flame Photometer, Tablet Disintegration Apparatus, Tablet Dissolution Apparatus, Colorimeter, Polarimeter and Refractometer help the student to gather the basic and applied knowledge in Pharmacy.

For performing different experiments associated with the formulation and development of different types of drugs, the institute has established a Machine Room. The Machine room simulates an environment similar to a large scale Pharmaceutical Industry, for the exposure of the students to different levels of formulation, development and packaging of drugs. The Machine room is equipped with Ampoule sealing machines, Tablet Punching Machine, Tablet Coating Machine, Hardness tester, Friability Tester, Capsule Filling Machine, and Ointment Filling Machine.

S.no	Instruments & Equipment's	Model	Sop &log book
1	High Performance Liquid Chromatography (HPLC)	Shimadzu prominence – SCL 10A	Yes
2	UV Visible Spectrophotometer	LAB INDIA	Yes
3	High Sensitivity Electronic Balance	Denver Instruments-TP 214	Yes
4	Brook Field Viscometer	Brookfield LVDV	Yes
5	Photoelectric Colorimeter	Chemi line –CL 610	Yes
6	Digital Balance 10mg Sensitivity	Contech	Yes
7	Magnetic Stirrers With Thermostat	Remi	Yes
8	Flame Photometer	Aarson scientific works -210	Yes
9	Potentiometer	Aarson scientific works –M370	Yes
10	Conductivity Meter	PG Instruments	Yes
11	Karl Fischer Titration Apparatus	KF titrate	Yes

**Safety measures:**

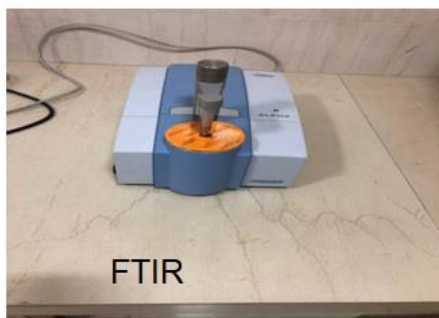
- Instrument room is equipped with AC
- Before entering this room, footwear has to be removed.
- The cleanliness of the room is well maintained.
- All the equipment present in this room has entry log books.

<b>S.no</b>	<b>Instruments &amp; Equipment's</b>	<b>Model</b>	<b>Sop &amp;log book</b>
1	Tablet Punching Machine	Proton Mini press	Yes
2	Tablet Coating Pan	Aarson scientific works	Yes
3	Tray Dryer	Ria Instruments	Yes
4	Sieve Shaker	Beekay- 102008	Yes
5	Rotary Flask Shaker	Sisco – 300083	Yes
6	Bottle Filling Machine	Aarson scientific works	Yes
7	Manual Single Punch Tablet Machine	Sisco	Yes
8	Ampoule Filling & Sealing Device	Aarson scientific works	Yes
9	Double Cone Blender (Manual)	Sisco	Yes
10	Ointment Filling Machine	Aarson scientific works	Yes
11	Bottle Sealing Machine	Sisco	Yes
12	Clarity Test Apparatus	Aarson scientific	Yes

**Safety measures:**

- All the machines present in this room are properly maintained.
- This room is well ventilated.
- Before entering this user should wear aprons.
- All the machines in this room will be standard operating procedures and entry log books.
- The cleanliness of this room is regularly maintained.

# CENTRAL INSTRUMENTATION FACILITY



FTIR



HPLC



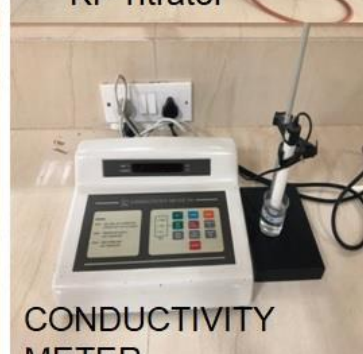
KF Titrator



Millipore water



UV-VISIBLE



CONDUCTIVITY  
METER