



# AISSMS

## COLLEGE OF PHARMACY

IMPARTING EXCELLENCE IN EDUCATION & RESEARCH



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### KEY INFRASTRUCTURE AVAILABLE

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### Department of Pharmaceutics

Sr. No.	Name of the instrument	Year of Purchase	Cost (Rs.)
1	Rotary tablet machine (Karnavati)	2005	3,02,432
2	Planetary mixer (GEM)	2005	75,000
3	Octagonal blenders (GEM)	2005	40,000
4	Jacketed vessels (GEM)	2005	30,000
5	Fluidized bed dryer (GEM)	2005	55,000
6	Brookfield viscometer	2005	2,12,625
7	R & D Coater (Instacoat)	2006	35,000
8	Spray Dryer (Lab Ultima)	2006	60,000
9	Capsule filling machine (Gem)	2008	2,30,000
10	HPLC (Agilent)	2009	7,00,000
11	HPLC (Agilent)	2009	7,00,000
12	Freeze dryer	2010	5,90,000
13	Homogenizer (GEM)	2011	12,536
14	Dissolution test apparatus	2011	1,48,905
15	Texture Analyzer (Brookfield)	2013	5,60,000
16	Probe sonicator (Sonic)	2014	65,000
17	Particle size analyzer (Malvern ZS90)	2014	20,38,847
18	Differential Scanning Calorimeter (Mettler)	2023	17,00,000
19	IR Moisture balance	2023	93,987

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### Department of Pharmaceutical Chemistry

Sr. No.	Name of the instrument/software	Year of Purchase	Cost (Rs.)
1	V-life Molecular Modeling Software	2006	3,70,000
2	Microwave assisted synthesizer	2009	1,75,000
3	Rotary vacuum evaporator (Heidolph, Germany)	2010	4,72,113
4	Six station synthesizer (Radleys, UK)	2010	5,94,340
5	Fuming Chambers	2011	3,17,697
6	Schrodengers molecular modelen, software	2022	17,50,000

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### Department of Quality Assurance Techniques

Sr. No.	Name of the instrument/software	Year of Purchase	Cost (Rs.)
1	Karl Fischer Instrument	2002	36,400
2	UV Chamber	2005	53,000
3	HPLC UV/FP detector	2005	17,00,000
4	Triple stability chamber (Thermolab)	2005	5,15,500
5	HPTLC (CAMAG)	2006	25,00,000
6	HPLC(JASCO) with PDA/UV/FP Detector	2006	13,00,000
7	UV-Vis Spectrophotometer	2006	3,70,000
8	Photo-stability Chamber (Newtronic)	2009	2,02,500
9	FTIR	2021	12,60,000

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## Department of Pharmacology

Sr. No.	Name of the instrument/software	Year of Purchase	Cost (Rs.)
1	Digital Plethysmometer	2006	2,66,770
2	Data Acquisition Biopac system	2006	2,02,802
3	Stereotaxic Apparatus	2008	59,332
4	Stereotaxic Apparatus	2008	59,332
5	Randall Selitto instrument	2009	2,33,220
6	Catalepsy Bar Test Apparatus	2010	30,791
7	Video Tracking system with different types of mazes	2010	2,37,500
8	Automated Biochemical Analyzer	2010	1,74,250
9	Semiautomated URINOVA Lite UA-2100 Urine Analyzer	2010	56,250
10	Object Recognition Test Apparatus	2010	52,250
11	Non-Invasive blood pressure	2010	4,05,752
12	Automated Copulatory Arena	2011	1,69,100



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