



St. Pious X Degree and PG College for Women

Autonomous College, Affiliated to Osmania University

Re-accredited by NAAC with A+ Grade

R AND D FACILITIES OF Departments							
S.NO	FACILITY NAME	DEPARTMENT	FOCUS AREA OF RESEARCH	EQUIPMENT	NAME OF O FACILITIES COORDINATER	E MAIL OF FACILITIES COORDINATER	CONTACT OF FACILITIES COORDINATER
1	Chemistry Instrumentation Lab	Chemistry	Environmental Chemistry/Chemical Kinetics/ Nano Technology	1.Double beam UV- Visible Spectrophotometer/ 2. rotary evaporators (rotavapors) 3. UV Cabinet for TLC	Dr. Sudhaswaraga	drsudhaswaraga@stpiouscollege.org	9014091207
2	Microbiology Instrumentation Lab	Microbiology	Applied Microbiology / Bioinformatics / Enzymology / Nanotechnology / Medical Microbiology, Biotechnology	1. Fermentor-Scigenics, 2. Electrophoresis units with power packs-Genel, 3. Lyophilizer-Delvac, Gel documentation system-Genel, 4. Phase contrast microscope-Getner, 5. Cooling Centrifuges-Remi, 6. Autoclaves-Secor, 7. BOD incubator-Remi, 8. Hot air ovens-NSW, 9. Shaker Incubator-Remi, 10. UV-Visible Spectrophotometer-Labman, 11. Spectrophotometer-Systronics, 12. Laminar Flow-Class, 13. Transilluminator-Biotech, 14. Magnetic stirrer-Remi, 15. Colorimeter-Systronics, 16. pH meters-Global, 17. Centrifuges-Remi,	Mrs. Priitha Ghosh	microbiology.dept@stpiouscollege.org	9491189156
3	Botany and Biotechnology	Botany and Biotechnology	Plant Taxonomy, Ecology and Phytochemistry, Biotechnology	1.Tissue culture lab, 2.Chromatography chamber, 3.Sohllet apparatus,	Mrs. Sugantha Mala & Dr. Anjana Shukla	biotechnology.dept@stpiouscollege.org & botany.dept@stpiouscollege.org	8019194373, 9959222700
4		Zoology	Soil Chemistry/ Phytochemistry / Analytical Dairy Chemistry / Food Microbiology/ Vector Microbiology	1. Centrifuge 2. Lactometer 3. Colorimeter 4. pH Meter 5. Water bath	Ms. Amrita Gautam	zoology.dept@stpiouscollege.org	9704171378
5		Genetics	Cell Biology / Soil Chemistry/ Phytochemistry / Biocosmetics / Biotechnology	1.Digital Photo Electric Colorimeter 112 / 2. Vertical Gel Electrophoresis / 3. Hot Air Oven size digital Temp Controller / 4.Incubator digital Temp Controller (Precision Bacteriological Incubator) 5. Autoclave 6. pH Meter 7. Water bath	Dr. Jyoti Lallu	genetics.dept@stpiouscollege.org	9540354304
6	computer science Lab	computer science	Artificial Intelligence and Machine Learning Deep Learning and Neural Networks Natural Language Processing Computer Vision Data Mining and Big Data Analytics Healthcare Informatics	High-end research workstations Computers with advanced processors (Intel i5/i7) High-speed internet connectivity Local network infrastructure Data storage and backup facilities Project development servers	Mrs. Lalitha	lalitha@stpiouscollege.org	9900161836
8	Biochemistry Instrumentation Lab	Biochemistry	Toxicology, Membrane Biochemistry, Nanotechnology, and Bioinformatics	2) Flame photometer 3) ELISA Reader 4) PCR machine 5) Remi cold centrifuge	Dr.A.Helah Kiranmai	drhelahkiran7@stpiouscollege.org	9705526722