



# Govt. College Seraj at Lambathach

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Reference Edu.GCSeraj-G-30/2024-

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## CRITERION 3- ICT FACILITIES

### 3.7. Laboratory Facilities

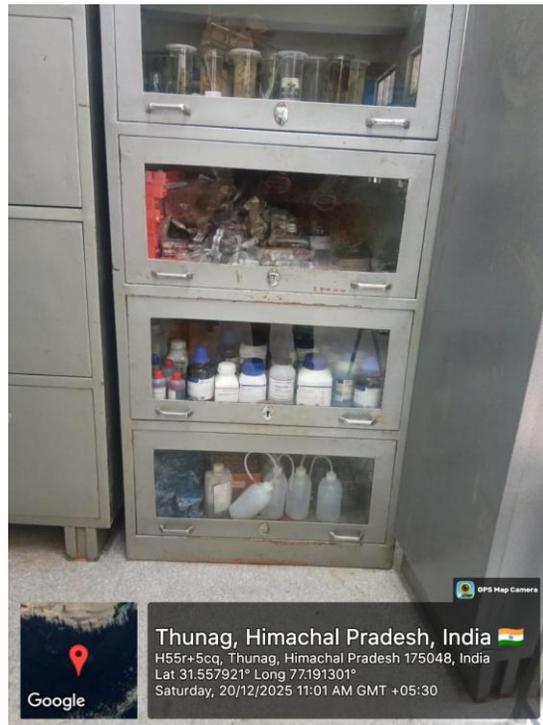
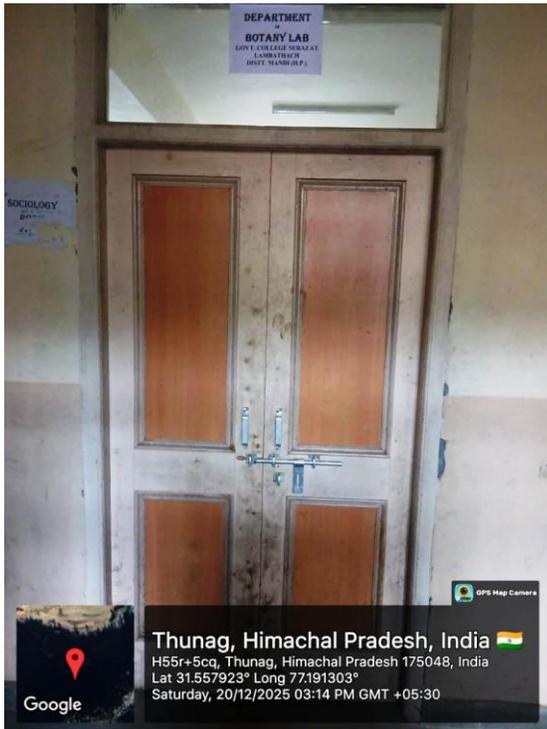
#### 3.7.1 Laboratories with adequate equipment according to syllabi

The college has **well-established and adequately furnished laboratories** in the disciplines of **Botany, Chemistry, Geography, Physics, and Zoology**, developed in accordance with the prescribed university syllabi and academic requirements. Each laboratory is equipped with essential **instruments, apparatus, chemicals, specimens, charts, maps, models, and modern teaching-learning aids** to facilitate effective practical training and hands-on learning experiences for students. Special attention is given to maintaining **safety standards**, proper storage of chemicals, and systematic arrangement of equipment to ensure a secure and learner-friendly environment.

Regular **maintenance, calibration, and periodic upgradation of laboratory equipment** are undertaken to keep pace with curricular changes and emerging academic needs. The laboratories are supervised by qualified faculty and supporting staff, ensuring proper guidance during practical sessions. These facilities enable students to conduct experiments, field-based practicals (where applicable), and laboratory exercises as prescribed in the curriculum, thereby strengthening **experiential learning, analytical skills, scientific temper, and research orientation** among students.

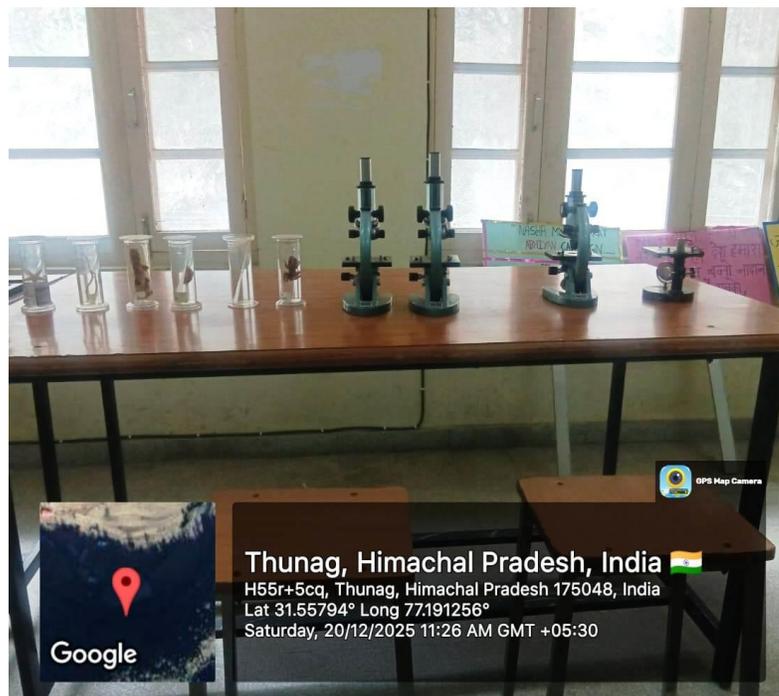
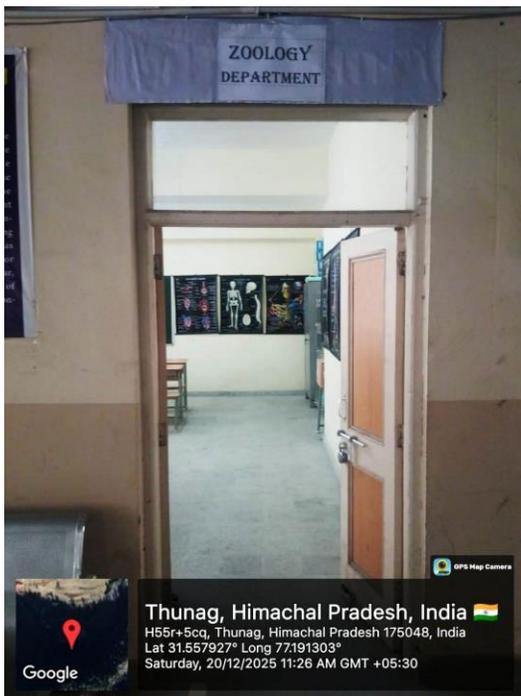
#### **Botany Laboratory**

The Botany laboratory is well furnished and equipped with essential instruments, microscopes, slides, preserved specimens, charts, models, and plant samples as prescribed in the syllabus. The laboratory supports practical work related to plant anatomy, morphology, taxonomy, and ecology. Regular maintenance of microscopes and other equipment is ensured to facilitate effective hands-on learning.



## Zoology Laboratory

The Zoology laboratory is well equipped with microscopes, slides, preserved specimens, charts, and models to support practicals in animal diversity, anatomy, physiology, and ecology. The laboratory provides adequate resources for observation, dissection (where applicable), and experimental work as prescribed by the syllabus.



## Chemistry Laboratory

The Chemistry laboratory is adequately equipped with required chemicals, glassware, instruments, and safety equipment in accordance with the curriculum. Proper storage of chemicals, availability of safety measures, and regular maintenance are ensured. The laboratory enables students to perform qualitative and quantitative experiments as prescribed by the syllabus.



## Physics Laboratory

The Physics laboratory is furnished with standard apparatus and instruments required for experiments related to mechanics, optics, electricity, magnetism, and modern physics. Equipment is regularly checked and maintained to ensure accuracy and safety during practical sessions.



## **Geography Laboratory**

The Geography laboratory is equipped with maps, globes, charts, models, surveying instruments, and other geographical tools. These facilities help students in understanding physical and human geography, cartography, and field-related practicals. The laboratory supports map work, data interpretation, and geographical analysis.



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**Principal  
Govt. College Seraj at Lambathach  
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