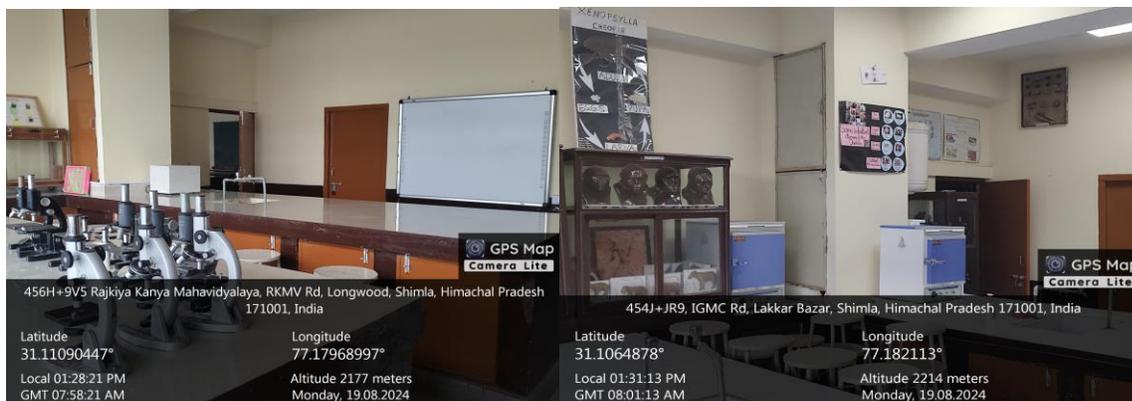


7. Laboratories

7.i Laboratories with adequate equipment according to syllabi:

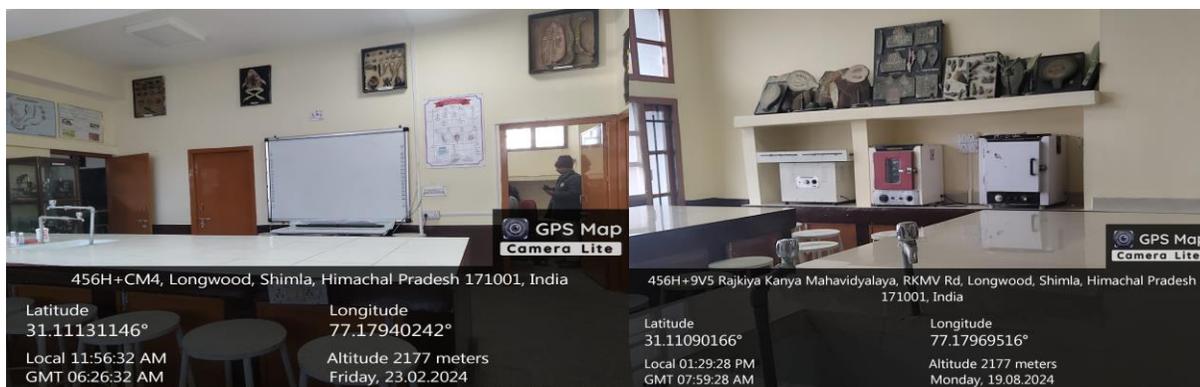


RKMV laboratories are well-equipped with all necessary instruments and apparatus as per the requirements of the syllabus. These laboratories provide students with hands-on practical experience, supporting effective learning, experimentation, and research across various subjects. The equipment is regularly maintained and updated to ensure a safe, functional, and conducive environment for academic activities.

7.ii Usage of available Lab Infrastructure

The Science Labs: Fostering Exploration and Innovation

Anurag
PRINCIPAL
Rajkiya Kanya Mahavidyalaya
RKMV Shimla

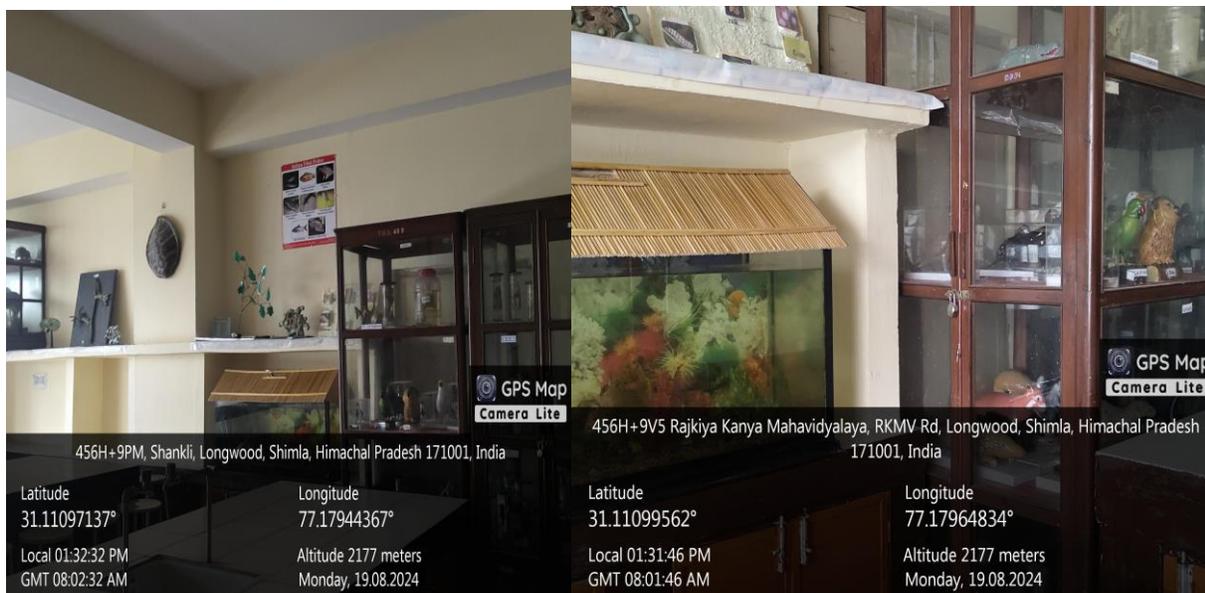


The science labs at the college are the cornerstones of scientific inquiry and discovery, providing students with the hands-on experience necessary to complement their theoretical knowledge. These labs, which include Zoology, Botany, Physics, and Chemistry, are equipped with the latest tools and technology, fostering an environment where curiosity thrives and learning comes to life.

Zoology Lab: Exploring the Animal Kingdom



Anusha
 PRINCIPAL
 Rajkiya Kanya Mahavidyalaya
 RKMV, Shimla-1



The Zoology lab is a gateway to understanding the complexity of the animal world. Here, students delve into the study of various species, examining their anatomy, physiology, and behavior. The lab is equipped with microscopes, specimen slides, and preserved samples that allow for detailed observation and dissection. Students engage in experiments that enhance their understanding of animal biology, ecology, and evolution, making the Zoology lab an essential space for aspiring biologists and ecologists.

Botany Lab: Unraveling the Secrets of Plant Life



Principals
PRINCIPAL
Rajkiya Kanya Mahavidyalaya
RKMV Shimla-1



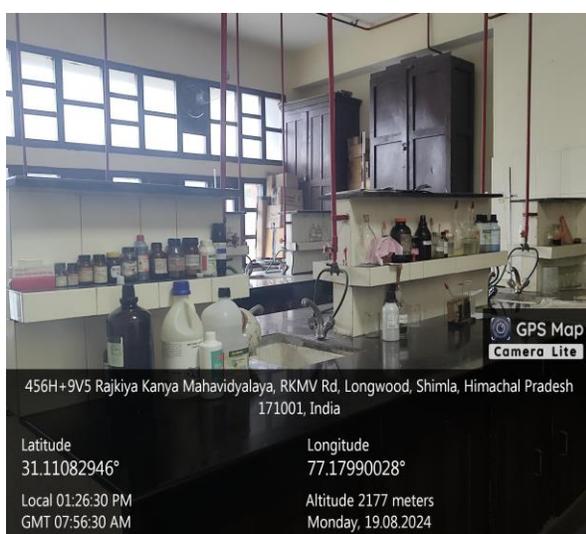
In the Botany lab, students explore the vast and diverse world of plants. The lab is stocked with plant specimens, both living and preserved, along with sophisticated equipment for studying plant structure, growth, and development. Students conduct experiments on photosynthesis, plant physiology, and genetic variation, gaining insights into the vital role plants play in ecosystems. The Botany lab is a hub for those passionate about botany, agriculture, and environmental science, offering a deep dive into the life processes of plants.

Physics Lab: Understanding the Laws of Nature



Chemistry Lab: The World of Reactions and Compounds

Dr. Anurag
 PRINCIPAL
 Rajkiya Kanya Mahavidyalaya
 RKMV, Shimla



The Chemistry lab is the setting for exploration into the composition, properties, and reactions of matter. Here, students conduct experiments that involve mixing chemicals, observing reactions, and analyzing compounds. The lab is equipped with a variety of chemicals, glassware, and safety equipment, ensuring that students can conduct their experiments in a controlled and safe environment. From studying acid-base reactions to synthesizing organic compounds, the Chemistry lab is integral to the education of students interested in pursuing careers in medicine, pharmacology, or chemical engineering.

Safety and Supervision

Safety is a top priority in all the science labs. Each lab is supervised by experienced faculty members who ensure that students follow proper safety protocols while conducting

Anusha
 PRINCIPAL
 Rajkiya Kanya Mahavidyalaya
 RKMV Shimla

experiments. The labs are equipped with safety gear, including goggles, lab coats, and gloves, as well as emergency equipment like fire extinguishers and eyewash stations. These measures ensure that students can explore and learn in a safe environment.

Biotechnology and Microbiology Lab



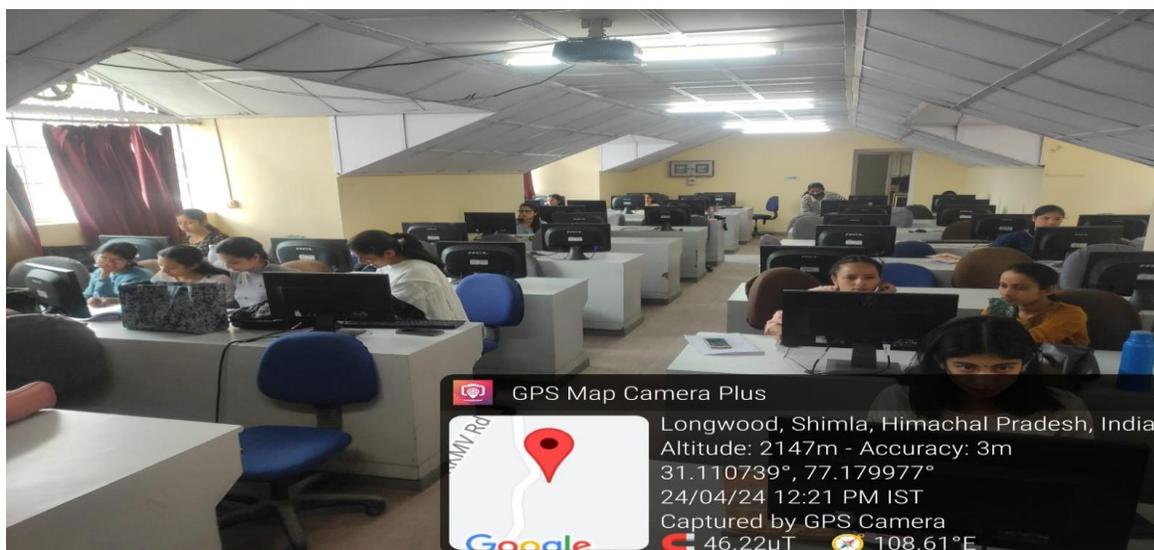
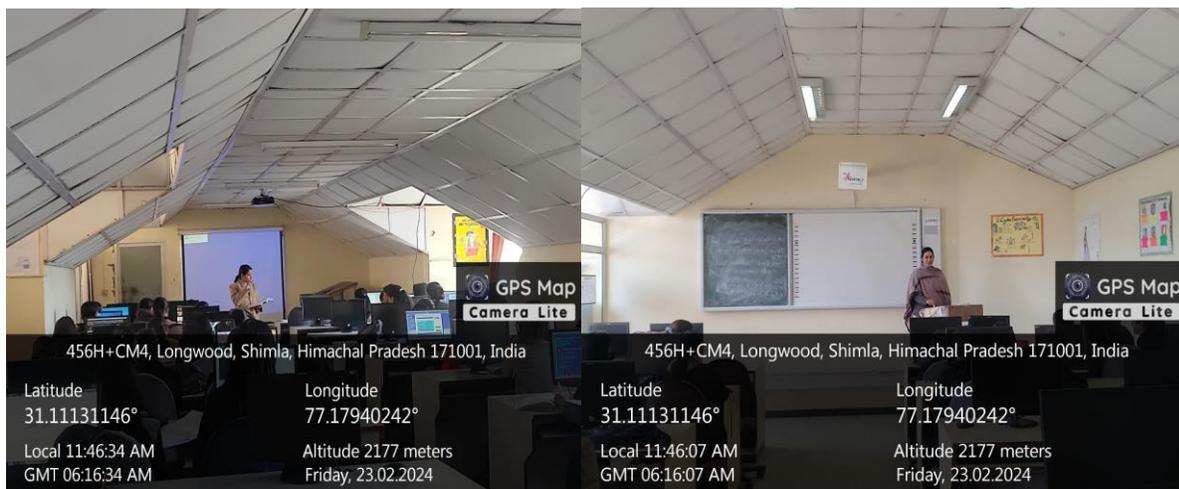
The Department of Microbiology and Biotechnology at RKMV was established in 2012. Since its inception, the department has been dedicated to fostering research and providing high-quality education in these rapidly evolving fields. Equipped with good laboratory facilities, students have the opportunity to engage in hands-on experimentation and explore the intricate world of Microbiology and Biotechnology.



Other Labs:

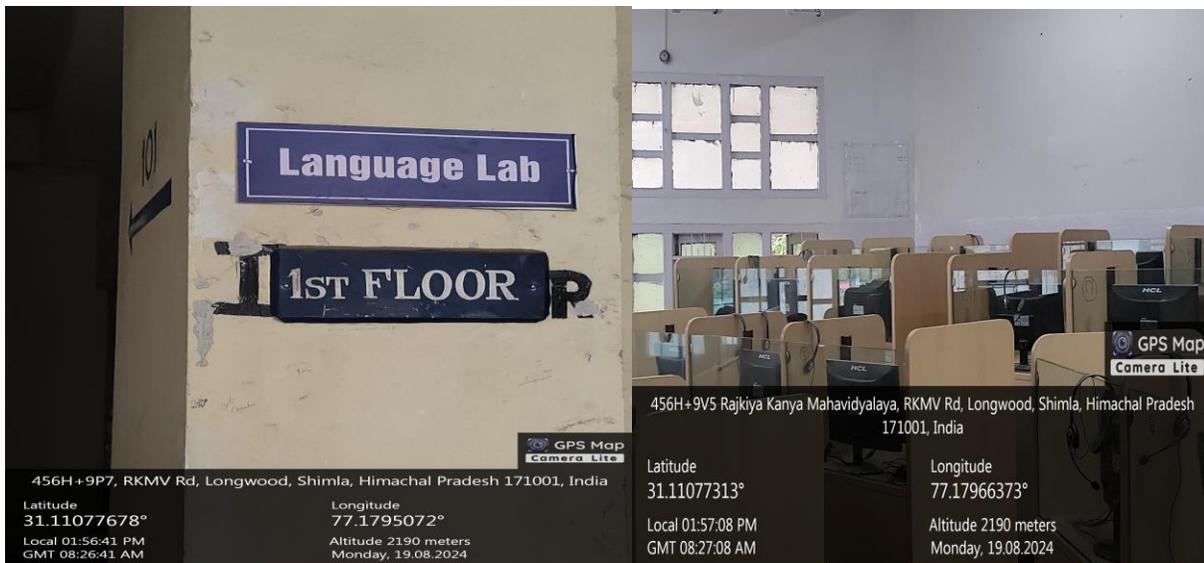
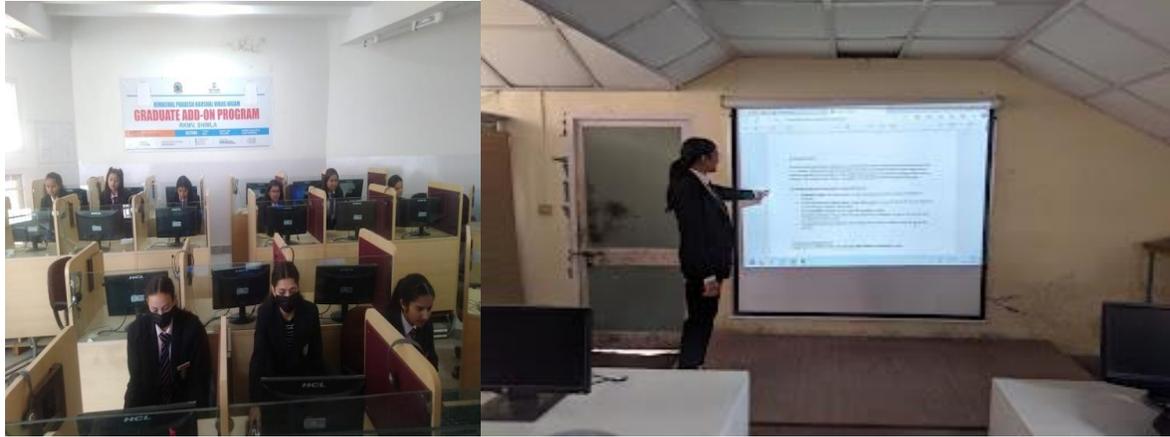
Anurag
 PRINCIPAL
 Rajkiya Kanya Mahavidyalaya
 Shimla-1

IT Lab: The Digital Frontier of Learning



Anueta
 PRINCIPAL
 Rajendra Kanya Mahavidyalaya
 S.R.M.V. Shimla-1

Language Lab



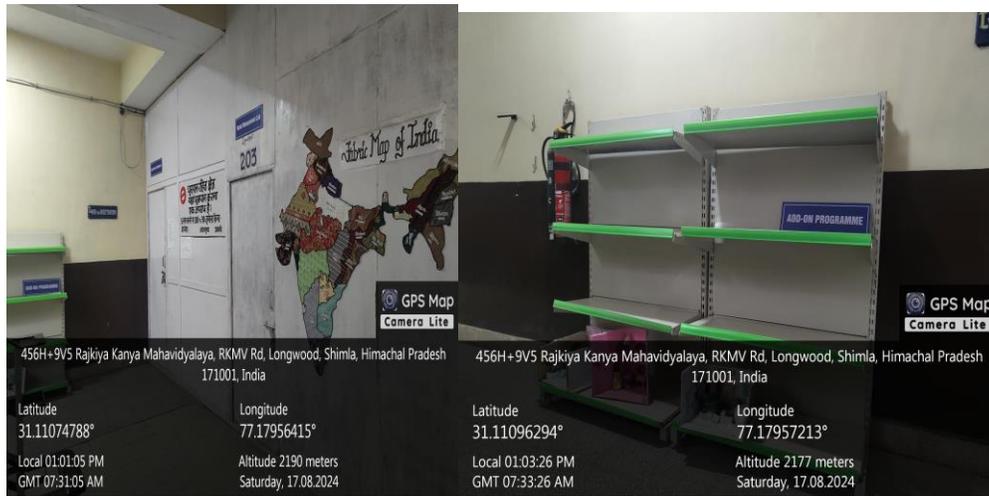
The college also has a Language Lab which helps in developing the language and communication skills of the students in languages(Hindi ,English and Sanskrit)..Students of all the three subjects are regularly taken to the Language Lab and are acquainted with the various syllabus related softwares. There are thirty computers installed in the Language Lab

Establishment of Retail, Hospitality and Tourism Labs under the B.Voc Program

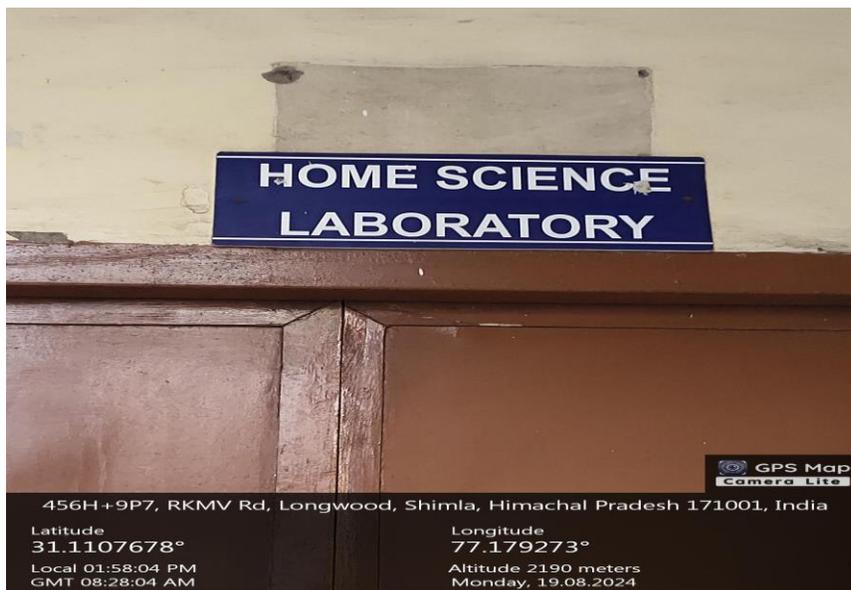
As part of our continuous efforts to provide industry-relevant education and to enhance employability, the college has established dedicated labs for Retail, Hospitality, and Tourism under the Bachelor of Vocational (B.Voc) Courses program. These specialized labs are designed to offer hands-on training and practical experience in key sectors of the economy, thereby preparing students for successful careers in retail management, hospitality services, and tourism operations. The establishment of these labs aligns with the college’s mission to deliver skill-based education that meets the demands of the contemporary job market.

Anurag
 PRINCIPAL
 Rajkiya Kanya Mahavidyalaya
 RKMV Shimla-1

Retail Lab:



❖ Home Science: Nutrition and Health Lab



Principal
PRINCIPAL
Rajkiya Kanya Mahavidyalaya
RKMV Shimla-1



As part of our commitment to providing a well-rounded education that encompasses both theoretical and practical knowledge, the college is having a specialized Home Science: Nutrition and Health Lab under functioning under the department of Home Science-: Nutrition and Health. This facility is designed to support students in their study of nutrition, dietetics, and health sciences, offering hands-on experience in food analysis, meal planning, and health assessment. The lab reflects the college's dedication to promoting healthy living and empowering students with the skills necessary to improve individual and community well-being.

❖ **Social Initiative: Chapati Preparation for Cancer Hospital Patients**

The Home Science: Nutrition and Health Lab at our college has taken a meaningful step towards contributing to society by engaging in the preparation of chapatis for cancer hospital patients. This initiative is part of the lab's broader mission to apply nutritional knowledge in ways that support community health and well-being.


PRINCIPAL
Rajkiya Kanya Mahavidyalaya
RKMV, Shimla-1

3.7 Laboratories with adequate equipment document

3.7.1 & 3.7.2	Laboratories with adequate equipment according to syllabi	17
	Usage of available Lab infrastructure	yes


PRINCIPAL
Rajendra Kanya Mahavidyalaya
SRKMV, Shimla-1

Physical Facilities RKMV Shimla (2023-24).

RKMV, Shimla, provides the best infrastructure and learning facilities to its staff and students for their overall growth and development. The college offers undergraduate programs in science, commerce, and the humanities. The college has an administrative block and three academic blocks: A, B, and Science. A new C block is under construction. The college has 26 classrooms, including 10 smart classrooms collectively in Arts and Science Blocks, one language lab, one e-commerce lab, one BCA lab, one IT lab, and 17 laboratories. The college has one seminar-video conferencing hall equipped with ICT facilities. All departments are equipped with Wi-Fi/LAN facilities. At present the college has an ICT enabled auditorium. The library has been partially automated since 2009 and uses the SOUL ILMS software. The college has a tribal hostel and a general hostel. The canteen facility is also available for the staff and students. Dispensary facilities for rendering first aid to the students are available within the campus. A branch of the Indian Overseas Bank is located within the campus. A multipurpose shop with photocopying, a photo studio, and an internet café facility is available on campus for the convenience of female students. Stationery in the bookshop is also available on campus. The college caters exclusively to the education of girl students from across the state of Himachal Pradesh. The Painting, Music, and Dance Departments are exclusively devoted to inculcating and nurturing the creative talent among the students. RKMV is the only government college in the state to have the dance department. They also participate in prestigious events held on Republic Day, Statehood Day, and Independence Day, etc. The language departments train the students for creative writing, debating, and declamation events.

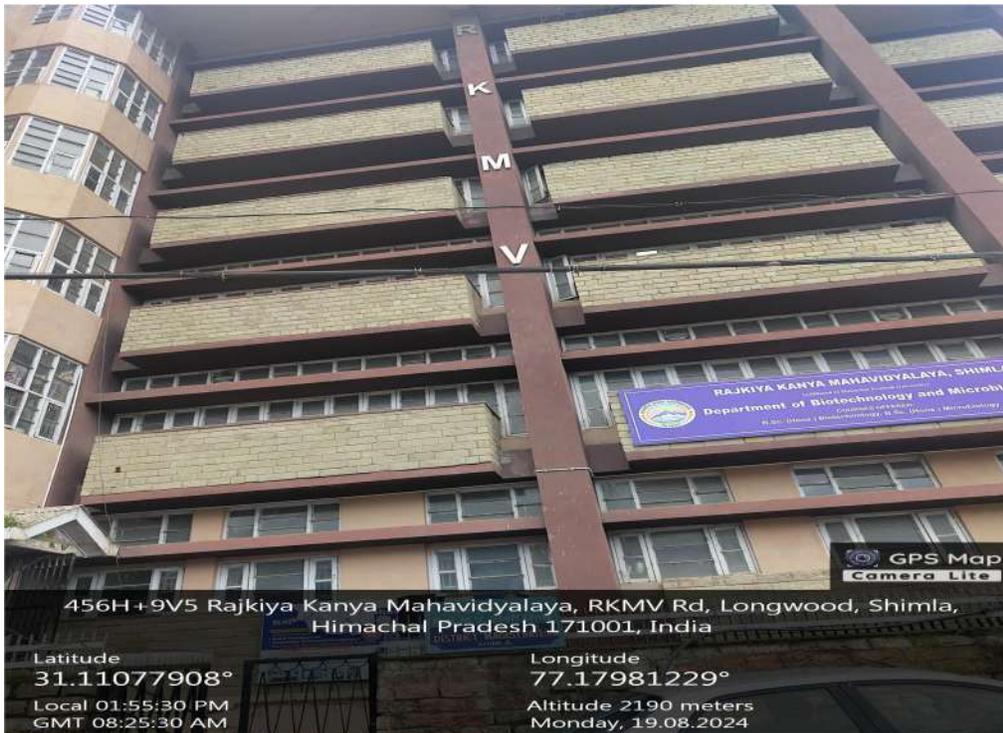


- **Block B:**

Rajendra Khandwalaya
PRINCIPAL
Rajendra Khandwalaya
RKMV Shimla-1



● **Science Block :**



Ongoing Construction:

● **New Block :**

Anurag
PRINCIPAL
Rajkiya Kanya Mahavidyalaya
SRKMV, Shimla-1



Infrastructural and Physical facilities for Teaching, Learning

❖ Library



Rajesh
PRINCIPAL
Rajesh Prakash
SRKMV, Shimla-1

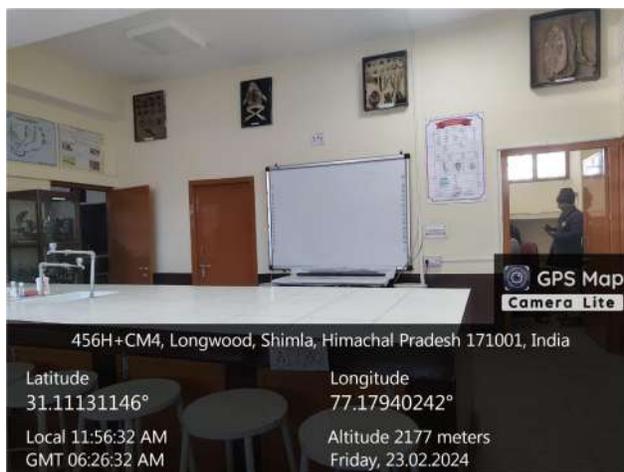


Classroom and Departmental Overview

- **Total Number of Classrooms: 13**
- **Smart Classrooms: 5 (Lecture Halls 3, 6, 9, 12, and 13)**
- **Specialized Rooms and Departments:**
 - **Room No. 7: Painting and Applied Art Department/Classrooms**
 - **Room No. 8: Psychology Department/Classroom**
 - **Geography Lab/Classroom**
 - **Physical Education Department/Classroom**

Science Block

❖ The Science Labs: Fostering Exploration and Innovation



The science labs at the college are the cornerstones of scientific inquiry and discovery, providing students with the hands-on experience necessary to complement their theoretical knowledge. These labs, which include Zoology, Botany, Physics, and Chemistry, are equipped with the latest tools and technology, fostering an environment where curiosity thrives and learning comes to life.

Principal
PRINCIPAL
 Rajkiya Kanya Mahavidyalaya
 S: RKMV, Shimla

Smart Classrooms:-



The Science Block at RKMV is equipped with state-of-the-art smart classrooms, designed to enhance the learning experience for students. These classrooms integrate advanced technology with traditional teaching methods, creating a dynamic and interactive educational environment.

Zoology Lab: Exploring the Animal Kingdom



Anurag
PRINCIPAL
Rajkiya Kanya Mahavidyalaya
RKMV Shimla-1



Botany Lab: Unraveling the Secrets of Plant Life



Anurag
 PRINCIPAL
 Rajkiya Kanya Mahavidyalaya
 S-1 RKMV Shimla-1

Physics Lab: Understanding the Laws of Nature



Chemistry Lab: The World of Reactions and Compounds



[Signature]
PRINCIPAL
Rajkiya Kanya Mahavidyalaya
RKMV Shimla-1



456H+9V5 Rajkiya Kanya Mahavidyalaya, RKMV Rd, Longwood, Shimla, Himachal Pradesh 171001, India

Latitude 31.11082946° Longitude 77.17990028°
Local 01:26:30 PM Altitude 2177 meters
GMT 07:56:30 AM Monday, 19.08.2024



456H+9V5 Rajkiya Kanya Mahavidyalaya, RKMV Rd, Longwood, Shimla, Himachal Pradesh 171001, India

Latitude 31.11083728° Longitude 77.17969974°
Local 01:27:05 PM Altitude 2177 meters
GMT 07:57:05 AM Monday, 19.08.2024

❖ Biotechnology and Microbiology Lab

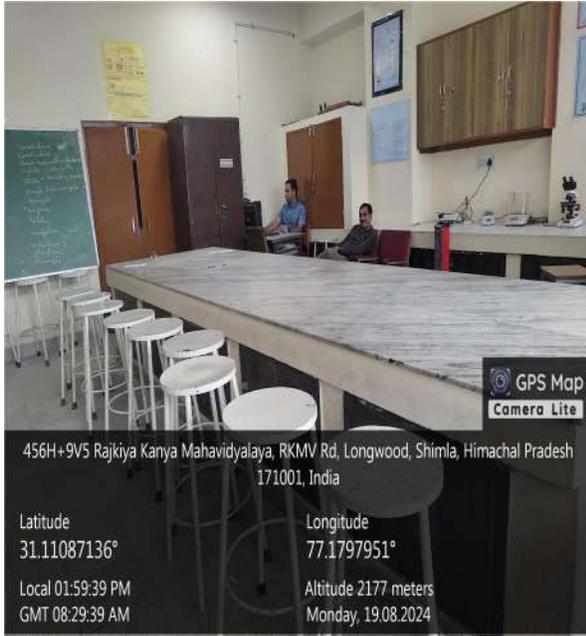


RAJKIYA KANYA MAHAVIDYALAYA, SHIMLA
(Affiliated to Himachal Pradesh University)
Department of Biotechnology and Microbiology
COURSES OFFERED:
B.Sc. (Hons.) Biotechnology, B.Sc. (Hons.) Microbiology

456H+6WG, Longwood, Shimla, Himachal Pradesh 171001, India

Latitude 31.11076362° Longitude 77.17981328°
Local 01:55:45 PM Altitude 2190 meters
GMT 08:25:45 AM Monday, 19.08.2024

Anuska
PRINCIPAL
Rajkiya Kanya Mahavidyalaya
RKMV, Shimla-1



Anusha
PRINCIPAL
Rajkiya Kanya Mahavidyalaya
RKMV Shimla-1

❖ Other Labs:

IT Lab: The Digital Frontier of Learning

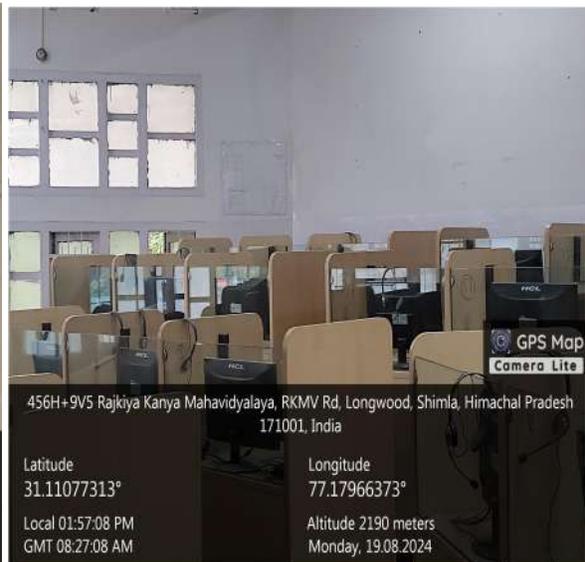
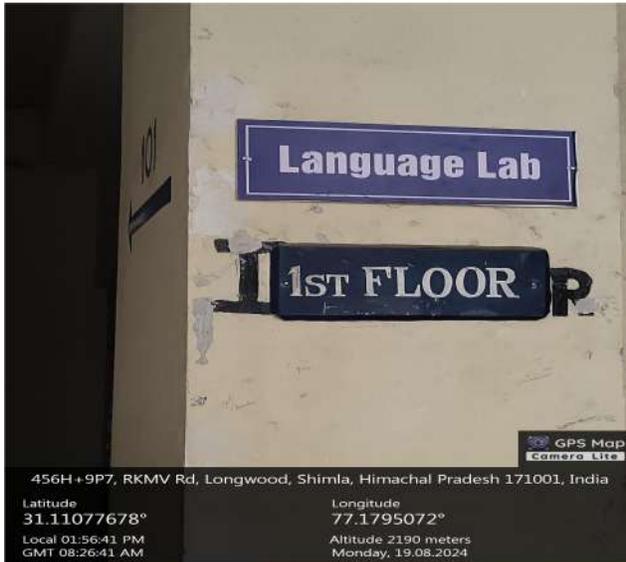
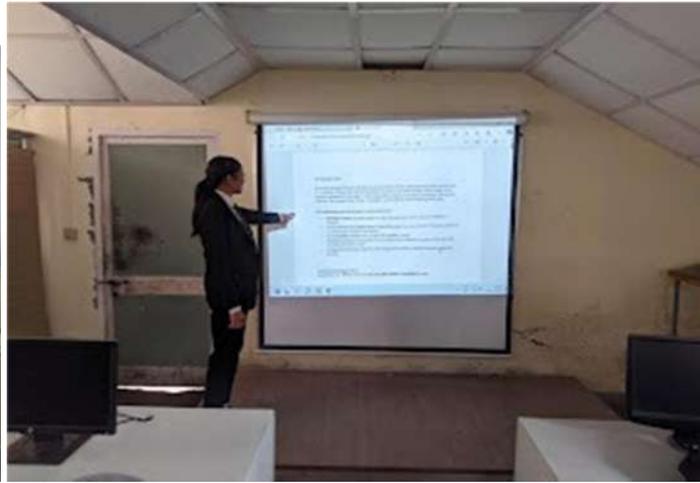


IT Lab Rajkiya Kanya Mahavidyalaya, Shimla

Session 2023-24

Principals
PRINCIPAL
Rajkiya Kanya Mahavidyalaya
SRKMV Shimla-1

❖ Language Lab



Principal
PRINCIPAL
Rajkiya Kanya Mahavidyalaya
RKMV Shimla-1

❖ **Geography Lab:**



○

Anurag
PRINCIPAL
Rajkiya Kanya Mahavidyalaya
RKMV Shimla-1

2. Hospitality Lab:



Hospitality and Tourism Lab

❖ Home Science: Nutrition and Health Lab



Principal
PRINCIPAL
Rajendra Kishore
S: RKMV, Shimla



❖ Social Initiative: Chapati Preparation for Cancer Hospital Patients

Introduction: The Home Science: Nutrition and Health Lab at our college has taken a meaningful step towards contributing to society by engaging in the preparation of chapatis for cancer hospital patients. This initiative is part of the lab's broader mission to apply nutritional knowledge in ways that support community health and well-being.


PRINCIPAL
Rajkiya Kanya Mahavidyalaya
Shimla-1

