



**Pioneers in  
Professional  
Education**

**SCHOOL OF ALLIED HEALTH SCIENCES**  
Department of Medical Lab Technology  
& Medical Microbiology



**SARDAR BHAGWAN SINGH  
UNIVERSITY**

Established vide Uttarakhand Act 12 of 2018



## **The Founder's Vision**

Great founders make their vision seem inevitable



The founder of the University, Sardar Gurcharan Singh, was of a very strong belief that everything physically visible on mother earth other than nature's own creation is creation of man and everyman is endowed with the power and ability to create and further improve those creations and inventions. Thus, carrying

forward his philosophy, we at Sardar Bhagwan Singh University empower our students with the art of creativity; we inculcate in them the belief of achieving, creating and bettering themselves everyday. We inspire them to make continuous efforts for self-improvement.

## **Why Sardar Bhagwan Singh University ?**

Sardar Bhagwan Singh University was established in 2018 vide Sardar Bhagwan Singh University Act, 2016 (Uttarakhand Act No. 12 of 2018) enacted by the Government of Uttarakhand as State Minority University. This Institution has been pioneer in biomedical education established as an affiliated Institute under HNB Garhwal University since 1994 and is the first and oldest self-financed Institution in Northern India imparting quality education.

## **Salient Features of the University**

- Approved by All India Council of Technical Education, Pharmacy Council of India and Indian Association of Physiotherapists.
- Excellent Infrastructure, Hi-Tech labs with modern equipment.
- Faculty: Our main strength is strong faculty base. For effective & efficient learning the University maintains 1:15 Teacher Student ratio.
- Over 800 internationally placed alumni across the globe.
- Eighteen government sponsored research projects completed/in progress with a grant of approx. Rs. 2 crores from UCOST, DST and Ayush. Twenty-five scholars awarded Ph.D. and 10 are pursuing their Ph.D. Research.
- Merit Scholarships awarded to brilliant students.

## **Infrastructure**

The University is spread over acres of manicured lawns and playgrounds with a total covered area of 1,75,000 sq. ft. allocated for academics and 1,40,000sq. ft. for support services.

The state of the art campus accommodates different academic blocks i.e. Baba Kharak Singh Block, Prof. Puran Singh Block, Biotechnology Block, MLT Block, Administrative Block and Guru Gobind Singh Block. Other Infrastructures are Central Library, Staff Quarters, Girls & Boys Hostels.

## **High-Tech Instrumentation & Laboratories**

The academic block comprises of various departments with spacious lecture halls, and hi-tech experiment & research laboratories.

It is universally accepted that practical experience in every field of study is essential. All the Departments of the University are well equipped with State-of-the art infrastructure and modern equipment to cover the syllabus of each branch. Hands-on training, as the essential component, is imparted to the students to keep pace with modern technology. The campus has an array of computers distributed over different section of academic blocks with high servers to cater the needs of networking environment.

## **Hostels**

Sardar Bhagwan Singh University offers separate boarding facilities (AC and Non AC rooms, with modern amenities) to more than 275 boys in Banda Bahadur Boys Hostel and 600 girls in Mata Gujri Girls Hostel with separate provision for Under Graduate and Post Graduate students.

## **Banda Bahadur Boys Hostel**

Established in the year 1999, Banda Bahadur Boys Hostel has provided accommodation and mess facilities to more than 3000 boys. The hostel is well-equipped with facilities such as gym, airconditioned recreation room with home theatre, reading room, indoor sports infrastructure for inmates and attached outdoor playfield catering outdoor sports as football, volleyball, cricket, hand ball, etc. with sports coaches for all the games. Round the clock security is available to the inmates of the hostel.





### **Mata Gujri Girls Hostel**

Established in the year 1994, Mata Gujri Girls Hostel has nestled more than 5000 girls with their precious moments of friendship and academic life. The hostel is well equipped with modern facilities such as Gym & Yoga Center, well-furnished study rooms, air conditioned recreation room with home theatre and indoor sports infrastructure. The hostel is managed by qualified and competent staff whose endeavor is to make students live a simple life with high moral values. The lush green and serene environment of the foundation campus provides soothing and calm state of mind. The girls are professionally equipped in all the social graces and life supporting skills of Finishing School to refine different sides of the personality.

### **Training and Placement Office**

Training and Placement Office is intensely engaged in organizing on-campus and off-campus placement drives for students for further entries into suitable professions. Many reputed national and multinational companies visit our campus for recruitment because of quality education, research- based analytical teaching, excellent facilities and talented students. The University emphasizes on soft skill programs to prepare them for mock interviews, hone their communication skills, build confidence and inculcate awareness, for the overall development of their personalities.

### **Platforms to Pursue Hobbies**

- NCC Boys & Girls: Our NCC cadets learn to take pride in themselves and their training also strengthens the spirit of being an Indian
- Cultural & Music Club
- Photography Club
- Creative Arts Society
- Debating Society
- Nature Club
- Publication & Creative Writing Society
- Dramatics Club
- Blood Donation & Health Sanitation Club
- Rotaract Club
- Sports & Athletics Club





# A *World-class* Institution Awaits Great Minds

## SCHOOL OF ALLIED HEALTH SCIENCES

The School of Allied Health Sciences is established with the objective of producing skilled manpower in different areas of health sciences for better healthcare delivery in the country. The major contribution of the Allied Health Professionals is in strengthening the medical and health services by being the major assisting support system to the medical and health personnel. The programme structure and curriculum of different academic programs and courses offered by the school have been framed and designed by eminent academicians and professionals keeping in mind the present requirements and future needs of the current medical services and health industry. The increase in number of patients, variety of diseases and the demand for immense treatment have paved the way for Allied Health Professionals providing better quality to human healthcare. We offer regular mode of teaching supplemented by an intensive and rigorous practical training that equips the students with knowledge of the latest techniques. The ultimate aim of the School is to provide higher education in the area of medical teaching, research and health technology that not only give good career opportunities but could in turn contribute in creation and enhancement of such a work force in the future. The School of Allied Health Sciences is offering courses in Physiotherapy, Medical Laboratory Technology and Medical Microbiology.



### Courses Offered:

#### **B.Sc. Medical Microbiology**

**Duration:** 3 Years (6 Semesters) +  
6 Months Internship

**No. of Seats:** 60, **Eligibility:** 10+2 (PCB)

#### **B.Sc. Medical Lab Technology (Pathology)**

**Duration:** 3 Years (6 Semesters) +  
6 Months Internship

*(4 Years (For international Students))*

**No. of Seats:** 60, **Eligibility:** 10+2 (PCB/PCM)

#### **M.Sc. Medical Lab Technology (Pathology)**

Specialization in Haematology, Biochemistry  
& Microbiology

**Duration :** 2 Years (4 Semesters) **No. of Seats:** 20

**Eligibility:** B.Sc. MLT/B.Sc. Microbiology/  
B.Sc. Medical Microbiology degree with a minimum  
of 45% marks aggregate from a recognized  
University



## DEPARTMENT OF MEDICAL LAB TECHNOLOGY & MEDICAL MICROBIOLOGY

The Department of Medical Lab Technology was started in 1995. Since then the Department has progressed remarkably. Students are taught various diagnostic techniques so that they can help in diagnosing patient illness and condition. Students are trained to focus entirely on choosing the career in healthcare, where they can contribute in diagnosing and preventing various health problems. The labs are well equipped with modern diagnostic instruments, providing the students hands on exposure to almost all the diagnostic tests.

The Department of Medical Microbiology was established in 2001, since 17 years, the Department has made incredible advancement in teaching and training of students in methodology of diagnosis and pathogenesis of diseases. The Department is well equipped with the modern equipments and modern teaching aids for the teaching and training of the students. The graduate course in Medical Microbiology imparts advanced training in diagnosis, pathogenesis and epidemiology of infectious diseases, immune mediated disorders and immuno diagnostics of the malignant diseases. Along with studies the students of the department also excel in co-curricular and extracurricular activities.

The Department of MM & MLT organises visits to Hospitals and Clinical Laboratories for awareness and recent developments in the field of medical health care system. Majority of the students from the Department of MM/MLT are selected for M.Sc. courses in various discipline within and outside the country. This incredible creativity of the Medical Microbiology & Medical Lab Technology emphasizes the contributions to health, diagnosis and management of diseases. The ingenious innovations like use of the molecular tools and newer methods to cultivate the pathogens have revolutionized the diagnosis of infectious diseases.

### DEPARTMENTAL HIGHLIGHTS

1. A centre of academic excellence with 100% results.
2. State-of-the-art laboratories well equipped with ELISA readers, Microtome, Automatic Tissue Processors and semiautoanalyser.
3. Excellent Clinical Placements: AIIMS, Gangaram Hospital, Medanta Hospital, Escorts Hospital, Apollo Hospital, Dr. Ahuja's Lab, IMA Blood Bank, etc.
4. Hands on training at local diagnostic centres of the city.





## Medical Microbiology

The graduate course contents in Medical Microbiology provides a foundation to build expertise and knowledge in infectious and immune mediated diseases. This knowledge conveys the fundamental concepts of sound diagnostic judgment, search for newer antimicrobial agents, mechanism of drug resistance and research on newer vaccines. The course provides an extensive base for the advanced learning and quest for relevant research. The course in B.Sc. Medical Microbiology comprises of a comprehensive in depth study of the various aspects of infectious and immune mediated diseases.

### Scope

A medical microbiologist is an indispensable member of the team managing the infectious diseases and forms an important part of the health care delivery system. The role of medical microbiologist in the clinical and basic medical research has always remained very crucial. The contribution of medical microbiologist in the pharmaceutical industry remains ever consummate. Medical microbiology is an obligatory part of the food industry and community health services.

After graduation, a medical microbiologist can be an important part of investigative team in hospitals, diagnostic laboratories and clinics. He/She can be a part of research team in research centers. The enthusiasm to run one's own diagnostic practice can be another vast horizon. Those who look for an academic or research career may opt for pursuing higher studies like M.Sc. and PhD in Medical Microbiology and contribute in teaching and research.



## Medical Lab Technology

The graduation and post graduation course of Medical Lab Technology provides a foundation to build expertise and knowledge of various diagnostic tools and techniques. It will immerse you in an exciting diagnostic environment, working both independently and as part of team to perform complex procedures and tests on all types of human specimens such as haematological, clinical pathological, histopathological & cytopathological, biochemical and microbiological tools and technique. The practice of modern medicine would be impossible without tests performed in the clinical laboratory.

### Scope

With only a couple of branches in Medical Sciences which are as diversified as Medical Lab Technology in their clinical and practical applications; it is truly a job oriented course. The ever-expanding horizon of Laboratory Science creates immense job-opportunities. Due to the scarcity of trained Lab Technicians the hospitals, pharmaceutical companies, pathology labs, research institutes etc., both in India as well as abroad are in search of these trained personnel on good perks. MLT graduates with academic mind-set and teaching-inclination can pick up teaching jobs in reputed medical & paramedical institutes. Blood Banks and Transfusion Services are other potential areas of intake of trained MLT professionals. Degree-holders who are willing to serve the rural population can work in Primary Health Service Centres and govt. funded dispensaries.

Professionals aspiring for higher studies may opt for post graduation in the field of Pathology, Microbiology or Biochemistry. Research oriented areas in this field include Cell Biology, Molecular Biology, DNA probes, Genetics, Neurobiology, PCR, Plasma research, Immunology to name but a few "Telecommunication in Pathology" (Telepathology) -an indispensable part of the rapidly emerging concept of "Telemedicine Services" throughout the world is another fascinating area, where technical skills of MLT personnel can be optimally utilized for assistance in the development of regional Health-Care facilities.

The new field of molecular diagnostic techniques permit identification & diagnosis of various diseases such as genetic, viral, bacterial, cancer therapy, DNA fingerprinting, etc.

# Placement

Keeping in view, the high standards of quality education in the field of MLT; many reputed Pharmaceutical Companies, Diagnostic Labs and Clinical Labs have been holding regular in-campus Interviews through the especially constituted Placement Cell at Sardar Bhagwan Singh University, for the placement of these graduate during the final year. As a result, many of ex-students have been highly placed with bigwigs in the field e.g. Ranbaxy Path. Lab, Dr. Lal's Laboratory, Thyrocare Laboratory and different reputed hospitals like Apollo, Escorts, AIIMS, Medanta and Gangaram. Many of our students have opened their own diagnostic centres.



## Library & Learning Centre

The University prides itself on an impressive collection of over 30,000 textbooks, reference books periodicals on relevant subjects. The library subscribes to 21 national & international research journals and 30 periodicals, and newspapers. The Library also houses a high speed internet café.



## Admission Procedure

**Admission Procedure** Admissions to all courses of the University are done on the basis of merit of last qualifying examination. For more details please visit our website [www.sbsuniversity.edu.in](http://www.sbsuniversity.edu.in).

**How to apply:** Candidates can apply for admission by filling out the online application form available on the University website or scan the QR code. The application form requires personal & academic details along with scanned copies of relevant document to be uploaded.

**Application fee:** Application processing charges of Rs 1580/- can be paid through any online payment mode. For further details and fast track spot admission contact admission helpline.

## OTHER COURSES OFFERED

### SCHOOL OF PHARMACEUTICAL SCIENCES

- M.Pharm. (Approved by AICTE & PCI)**
- B.Pharm. (Approved by AICTE & PCI)**
- B.Pharm (Lateral Entry)**
- D.Pharm (Approved by PCI)**

### SCHOOL OF ALLIED HEALTH SCIENCES

- B. Physiotherapy (Approved by IAP)**
- M. Physiotherapy (Neuro, Ortho, Sports)**

### SCHOOL OF APPLIED SCIENCES

- B. Sc. (Hons) Chemistry,**
- B.Sc. PCM/CBZ**
- M.Sc. Chemistry**
- M.Sc. Pharmaceutical Chemistry**

### SCHOOL OF LIFE SCIENCES

- B.Sc. (Hons) Biotechnology**
- B.Sc. (Hons) Microbiology**
- M.Sc. Biotechnology**
- M.Sc. Microbiology**
- M.Sc. Biochemistry**

### SCHOOL OF AGRICULTURE & FORESTRY

- B.Sc. (Hons.) Agriculture**
- B.Sc. (Hons.) Horticulture**

### DEPARTMENT OF MANAGEMENT

- B.Com. (Hons)**
- BBA**

### Ph.D. PROGRAM

- Ph.D. Programs offered in Pharmacy,**
- Allied Health, Life & Basic Sciences**



Scan for Registration

# FACULTY BASE

**Dr. Pooja Naudiyal**  
M.Sc. ( Biochemistry), Ph.D, PGDMLT  
Assistant Professor

**Ms. Preeti Bhatt**  
B.Sc. M.Sc. MLT, M.Sc. Biochemistry  
Assistant Professor

**Dr. M.K. Chakraborty**  
MBBS, PGDFM (CMC Vellore),  
PGDLM (Middlesex), FCCP, FSAMS

**Mr. Naveen Singh**  
B.Sc. M.Sc. MLT, M.Sc. Biochemistry  
Assistant Professor, MLT & MM

**Dr. Kapil Arora,**  
MBBS, MS (ENT)

**Ms. Deepika Jalal**  
B.Sc., M.Sc. Microbiology  
Assistant Professor, MLT & MM

**Dr. Surbhi Pradhan**  
M.Sc. Microbiology, M.Sc. Botany. Ph.D. (Microbiology)  
ICAR-NET  
Assistant Professor, MLT & MM

**Mr. Vishal Warikoo**  
M.Tech  
Assistant Professor

**Mr. Manoj Dadhwal**  
B.Sc. M.Sc. MLT  
Assistant Professor







**ADMISSIONS OPEN**

# SARDAR BHAGWAN SINGH UNIVERSITY

Established vide Uttarakhand Act 12 of 2018

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# FACULTY BASE

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**Dr. Kapil Arora,**  
MBBS, MS (ENT)

**Mr. Shushil Kumar Yadav**  
M.Sc. (Medical Microbiology)  
Assistant Professor

**Sangita Alias Sarasvathy, Guest Faculty**  
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Child Care Education

**Ms. Deepika Ahuja,**  
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M.Sc. Microbiology, Assistant Professor

**Dr. Shalini Gupta**  
MBBS, MD, (Microbiologist)  
Assistant Professor

**Mr. Vishal Warikoo**  
M.Tech  
Assistant Professor





