



# SCHOOL OF ALLIED HEALTH SCIENCES

DEPARTMENT OF OPTOMETRY

DEPARTMENT OF PSYCHOLOGY

DEPARTMENT OF PHYSIOTHERAPY

DEPARTMENT OF FOOD & NUTRITION

DEPARTMENT OF MEDICAL LABORATORY TECHNOLOGY

DEPARTMENT OF RADIOLOGY & IMAGING TECHNOLOGY



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# ABOUT

## SCHOOL OF ALLIED HEALTH SCIENCES

To maintain sound health is challenging as there are huge gaps in the facilities available and those needed. In order to overcome the shortfall of care given via service providers, Allied Healthcare Professionals (AHPs) would have to play an increasingly prominent role in providing better health services to an Indian population. There is a need to implement new ways of using health workers, strengthening the workforce by testing task shifting models, improving and increasing access to quality services through a qualified, skilled, and competent set of allied and healthcare professionals.

As per the World Health Organization report, by the year 2030, the global economy is projected to create around forty million new health sector jobs mostly in the middle and high-income countries and despite the anticipated growth in jobs, there is a projected shortage of fifteen million health workers to achieve the sustainable development goals in low and lower middle income countries.

As the Ministry of Health and Family Welfare in India gets ready to undertake a facelift for the entire allied health workforce, SVU has taken initiative in the year 2020 to extend their excellence by starting allied health courses such as B.Sc. MRIT, B.Sc. MLT, B.Sc., B. Optometry, BPT, B.Psychology, B. Nutrition etc. under the School of Allied Health Sciences, to facilitate and ensure health services are within reach to the rural and remote regions through skilled healthcare professionals. Students are trained and given practical exposure under the guidance of expert medical professionals.

# MISSION

- To impart basic, theoretical, practical and professional knowledge of high quality for overall holistic growth of every student.
- To develop innovative educational activities and participate in public health reforms through training, research and intervention in the field of laboratory sciences, medicine and education.
- To strive to uphold a future generation with high academic standards along with genuine spiritual, moral and social values.
- To develop and cultivate qualities such as stewardship, kindness, kinship, honesty, discipline, love and care in every student to collectively work towards the progress of the country.

## VISION

- Academic excellence in education, research and health care by grooming young generation into highly skilled professionals and faithful experts fully committed to serve the society.
- Provide world class health care and education facility to every strata of the society along with moral and spiritual development of the humanity.

## SALIENT FEATURE / USP

- Multitude of Programs
- State-of-the-Art Facilities
- Expert Faculty
- Interdisciplinary Approach
- Industry Partnerships
- Strategic Collaborations with Reputed Healthcare Centres and Hospitals

## TARGETS

- 1. Provide well-defined, laid, and prescribed training to a range of learners in the Allied healthcare domain.
- 2. Generate capacity building through lifelong learning and continued education mode
- 3. Cater to the cause of providing career opportunities to the generated human resource.

## OBJECTIVES

- 1. To offer competencies based teaching, learning and hands-on experience to the students of allied health sciences to become skilled Health Care Professionals.
- 2. To inculcate appropriate skills, critical thinking, and reasoning which leads to research and innovation to meet future challenges.
- 3. To create employment opportunities to meet the Health Care professional's demands in the field.
- 4. To support the Indian Health Care system by way of serving the Indian population.

## CORE VALUES

### Excellence in Education

We are committed to providing outstanding instruction and innovations for the advancement of high-quality education in the health sciences.

### Service, Caring, and Empathy

We encourage generosity in providing service to advance our university and to promote the health and well-being of the communities we serve. In addition, we are committed to providing service to the health sciences professions at state, national, and international levels. We value efforts to understand those we serve and encourage expressions of kindness and compassion.

### Scholarship

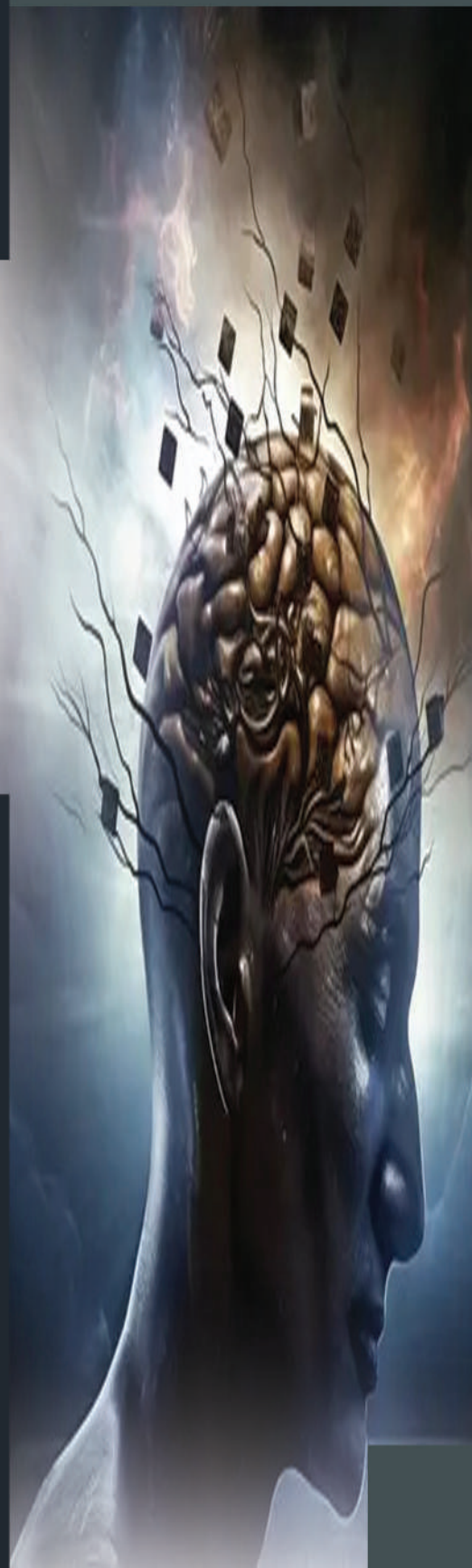
We value research, discovery, and such scholarly activities as the scholarship of teaching and learning. We believe that professional writing, presentations at professional conferences, and efforts to obtain external grant funding are important and worthwhile activities for health sciences faculty members.

### Freedom of Expression and Mutual Respect

We value an atmosphere in which all may express their opinions. We value freedom of expression and the free exchange of ideas. We value the spirit of mutual respect in relationships with students, faculty, administrators, and people in the communities we serve. We value collegiality, courteousness, teamwork, collaboration, cooperation, and civil and respectful communications.

### Integrity

We are committed to adhering to our professional standards of ethics. In all endeavors, we value honesty among peers and students.



**When you are doing any work..  
do it as worship, as the highest  
worship, and devote your whole  
life to it for the time being.**

**.....Swami Vivekananda**



## OUR EMINENT MENTORS



**PROF. (DR.) SURANJAN DAS**

Vice-Chancellor,  
Adamas University



**PROF. (DR.) DHRUBAJYOTI CHATTOPADHYAY**

Vice Chancellor,  
Sister Nivedita University ,Kolkata



**PROF. (DR.) DEB NARAYAN BANDYOPADHYAY**

Founder Vice Chancellor, Bankura University



**PROF. (DR.) SHOROSIMOHAN DAN**

Former Vice Chancellor , The University of Burdwan



**PROF. (DR.) NEMAI SAHA**

Former Vice-Chancellor , The University of Burdwan



**DR. BAIDYANATH CHAKRABARTY**

Renowned Gynecologist and IVF Specialist



**PROF. (DR.) BASHABI FRASER**

Professor Emerita of English and Creative Writing  
Director, Scottish Centre of Tagore Studies  
(ScoTs) School of Arts & Creative Industries  
Edinburgh Napier University

# FACULTY PROFILE

## ACADEMICS HIGHLIGHTS

No. of Ph.D. Faculty: 7  
No. of Post Doc Faculty: 2  
No. of Project Submitted: 3  
Department Wise Patent Applied : 17  
Department Wise Granted Patent : 6



**DR. MANISHA MAITY**

Assistant Professor and Head  
of the Department



**DR. SAHELI GHOSAL**

Assistant Professor



**DR. SOUVIK TEWARI**

Assistant Professor and R&D  
Co-ordinator



**DR. RUPALI  
DHARA MITRA**

Assistant Professor



**DR. MOUMITA DEV**

Assistant Professor



**MS. SHREYASI DAS**

Assistant Professor



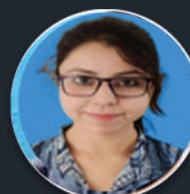
**DR. NABANITA GHOSH**

Assistant Professor



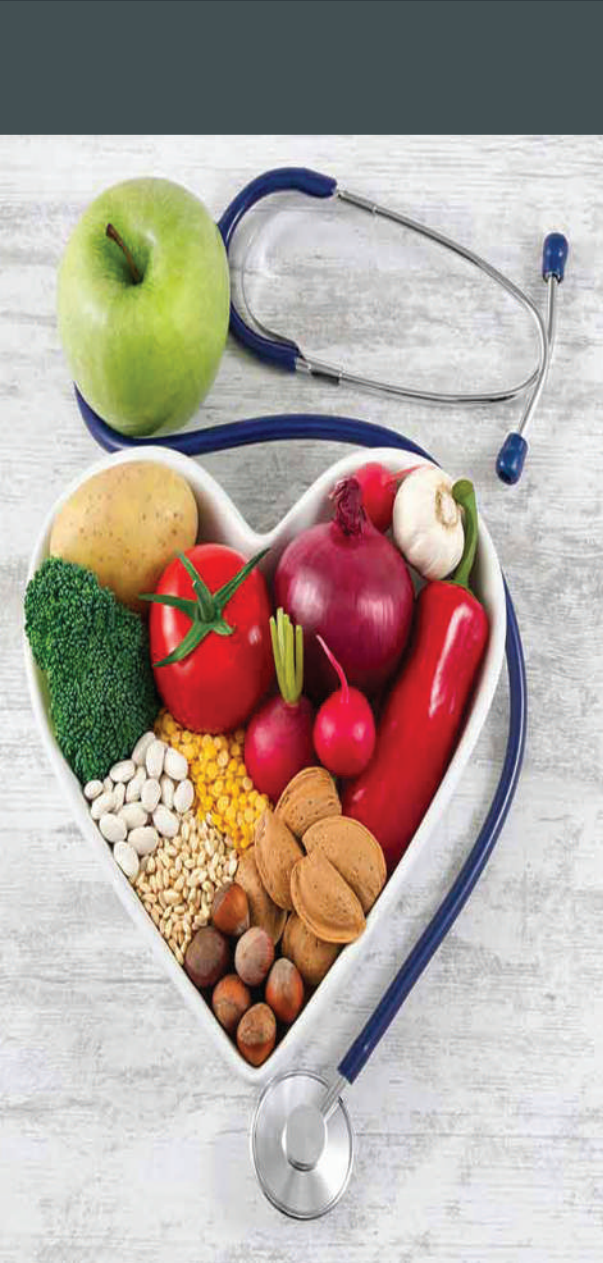
**DR. JAGANNATH  
GHOSH**

Assistant Professor



**MS. PAROMITA  
MUKHERJEE**

Professor, Director (R&D)





## ACADEMICS HIGHLIGHTS

No. of Ph.D. Faculty: 2  
No. of Post Doc Faculty: 0  
No. of Project submitted: 0  
No. of Project Submitted: 0  
Department Wise Patent Applied: 1  
Department Wise Granted Patent: 0

## FACULTY PROFILE



### DR. NILANJANA MITRA

Assistant Professor and Head of  
the Department  
Specilization : Counseling Psychology



### DR. PAPIA MUKHERJEE

Assistant Professor  
Specilization : Counseling  
Psychology



### MS. LINA SARKAR

Assistant Professor  
Specilization :  
Developmental psychology



### DR. INSHIRAH AHMED

Assistant Professor  
Specilization : Health psychology



### MS. SARAYNA BANERJEE

Assistant Professor  
Specilization : Clinical Psychology



### MS. RUDRANI MITRA

Assistant Professor  
Specilization : Clinical Psychology





## FACULTY PROFILE (MLT & MRIT)



**DR TITLEE MAJUMDER**

Assistant Professor and Head of the  
Department of the Department  
Specialization : Respiratory Physiology



**MR.MANOJIT  
BYSSACK**

Assistant Professor and  
Program Coordinator  
Specialization : Reproductive Physiology



**DR.RAJEN DEY**

Assistant Professor  
Specialization : Immunisation



**MS. OLY BANERJEE**

Assistant Professor  
Specialization : Immunology

## ACADEMICS HIGHLIGHTS

- No. of Ph.D. Faculty: 3
- No. of faculties pursuing PhD: 2
- No. of Post Doc Faculty: NIL
- No. of Project Submitted: 2
- Department Wise Patent Applied: 2
- Department Wise Granted Patent: NIL



**MR. RUPAK BERA**

Laboratory Technician



**DR SUBHRANIL MUKHERJEE**

Laboratory Technician





# FACULTY PROFILE



## DR. MAINAK SUR (PT)

Assistant Professor  
Specialization : Cardiovascular  
and Pulmonary



## DR. PATRALIKA NATH (PT)

Assistant Professor  
Specialization : Neurology



## DR. SUJATA DEB ROY (PT)

Assistant Professor  
Specialization : Orthopedics



## DR. BARNANA ROY (PT)

Assistant Professor  
Specialization : Geriatric



## DR. PRITAM SINGHA (PT)

Assistant Professor  
Specialization : : Vestibular



## DR. KAMALIKA BHATTACHARJEE (PT)

Assistant Professor  
Specialization : : Wound Management

## ACADEMICS HIGHLIGHTS

No. of Ph.D. Faculty: 0  
No. of Post Doc Faculty:0  
No. of Project submitted: 01  
Department Wise Patent Applied: 0  
Department Wise Granted Patent :0







## FACULTY PROFILE



### DR. DIPANWITA GHOSH

Assistant Professor and Head of the  
Department  
Specialization : Pediatric Optometry



### DR. PRABIRENDRA NATH SINHA

Assistant Professor  
Specialization : Corneal Disease



### MS. MANAS CHAKRABORTY

Assistant Professor  
Specialization : Ocular Disease



### DR. ARUP SAHA

Assistant Professor  
Specialization : Sports Vision

## ACADEMICS HIGHLIGHTS

No. of Ph.D. Faculty : (In No.) 2

No. of Post Doc Faculty : (In No.) 1

No. of Project submitted : (In No.) 0

No. of Project Submitted : (In No.) 0

Department Wise Patent Applied : (In No.) 7

Department Wise Granted Patent : (In No.) 1



# SOME OF OUR PLACED CANDIDATES



**RASHMITA BHATTACHARJEE**  
STREAM: M.SC IN APPLIED PSYCHOLOGY  
DESIGNATION: FRONT OFFICE EXECUTIVE



**ARPITA BISWAS**  
STREAM: M.SC. IN APPLIED PSYCHOLOGY  
DESIGNATION: CONTENT WRITER



**NAMRATA SARKAR**  
STREAM: B.SC.(H) IN PSYCHOLOGY  
DESIGNATION: ASSISTANT JUNIOR ART TEACHER



**RINKI MAJUMDER**  
STREAM: B.SC. HONS IN PSYCHOLOGY  
DESIGNATION: PHARMACIST AND  
TERRITORY MANAGER



**ADITI HAZRA**  
STREAM: M.SC. FOOD & NUTRITION  
DESIGNATION: DIETITIAN



**MUSKAN SULTANA**  
STREAM: M.SC. FOOD & NUTRITION  
DESIGNATION: TRAINEE MEDICAL SCRIBE



**DEBJANI MONDAL**  
STREAM: M.SC. FOOD & NUTRITION  
DESIGNATION: JUNIOR HEALTH COACH



**SAMPURNA GHOSH**  
STREAM: M.SC. FOOD & NUTRITION  
DESIGNATION: WATCH YOUR HEALTH,  
THANE, MAHARASHTRA



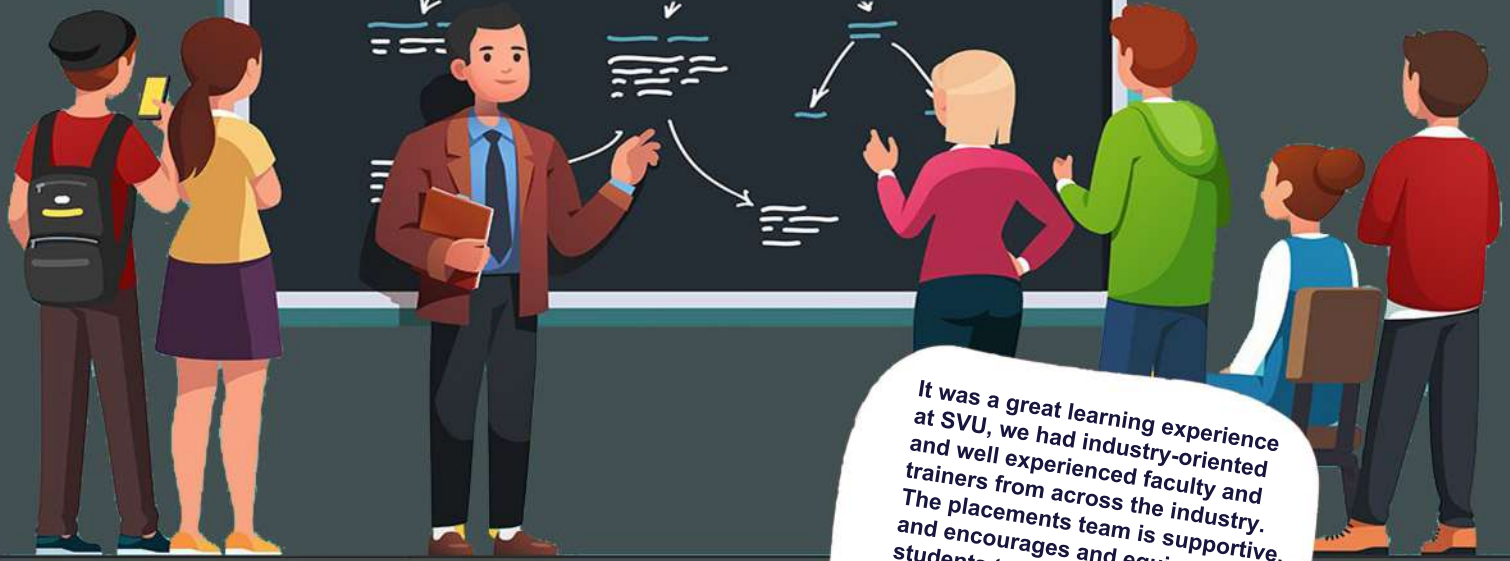
**SAHELI ROY**  
STREAM: M.SC. FOOD & NUTRITION  
DESIGNATION: ONLINE TUTOR



**PURANJAY GHOSH**  
STREAM: M.SC. FOOD & NUTRITION  
DESIGNATION: DIETITIAN



# STUDENTS' TALK



It was a great learning experience at SVU, we had industry-oriented and well experienced faculty and trainers from across the industry. The placements team is supportive, and encourages and equips the students to perform better in their interviews. These activities have helped me develop my overall personality and capabilities in tune with the requirement of the corporate world.

**ATIFA ISMAIL**

M.Sc. in Food & Nutrition  
2021-2023



A hearty thanks to all my faculties for believing in my capabilities and giving me a platform to grow and a special thanks to the placement department for doing such a wonderful job and for getting the best of the best companies to our campus. The whole process of placement was a huge roller-coaster and there were rejections but all thanks to the University for teaching me to never lose faith and giving me plenty of new opportunities.

SVU is a place of learning, fun, culture and many other things. I got placed possible because of the efforts made by faculty and placement cell.



**SAMPURNA GHOSH**  
M.Sc. in Food & Nutrition  
2021-2023

SVU has provided the platform to meet good recruiting companies. It not just provides me with various platforms to showcase my abilities and skill but also helps us to learn all soft skills that are highly required. We get training on interview skills, communication skills, life skills, and effective time management many more



**MUSKAN SULTANA**  
M.Sc. in Food & Nutrition  
2021-2023

It was a great learning experience at SVU, we had industry-oriented and well experienced faculty and trainers from across the industry. The placements team is supportive, and encourages and equips the students to perform better in their interviews. These activities have helped me develop my overall personality and capabilities in tune with the requirement of the corporate world.



**Rashmita Bhattacharjee**  
M.Sc. in Psychology  
2021-2023



**Pinku Ruidas**  
M.Sc in Applied Psychology  
2021-2023

# FOOD & NUTRITION LABORATORY

## Light Microscope

A light microscope is a tool that can identify, observe and magnify objects by transmitting light through a string of lenses. It is one of the most used tools in the field of biology. Microscopes are rightly used in medicine, microbiology object of interest so it can be magnified and viewed through one or a series of lens

## Induction heaters

Induction heaters are a type of lab or workshop equipment designed to apply electromagnetic induction to a conducting object (usually metal)..

## Mixer Grinder

Laboratory mixers are one of the most useful instruments that are widely used to get a homogenous mixture from one or more than one ingredient. The mixers find their wide application in different industries such as pharmaceutical, food and beverage, cosmetics, electronics, and many more.

## Weighing Balance

A weighing balance is a device that measures the weight or mass of an object. They are also known as mass scales, weight scales, mass balances, and weight balances. A weighing balance is an instrument that is used to determine the weight or mass of an object. It is available in a wide range of sizes with multiple weighing capacities and is an essential tool in laboratories, commercial kitchens and pharmacies.

## Autoclave

An autoclave is a machine that uses steam under pressure to kill harmful bacteria, viruses, fungi, and spores on items that are placed inside a pressure vessel. The items are heated to an appropriate sterilization temperature for a given amount of time. Autoclaves operate at high temperature and pressure in order to kill microorganisms and spores. They are used to decontaminate certain biological waste and sterilize media, instruments and lab ware

## Microwave

A microwave is a small oven that uses electromagnetic radiation to cook or heat food quickly. Microwaves are a form of electromagnetic radiation with wavelengths ranging from 1 millimeter to 30 centimeters. They have frequencies ranging from 1 GHz to 300 GHz. Microwaves are also used for communications and radar. They can penetrate haze, light rain and snow, clouds, and smoke, which makes them useful for satellite communication and studying the Earth from space.

## COMPOUND MICROSCOPE

The Labomed 2000 New Vision LED-Binocular Microscope is a powerful and versatile microscope that is perfect for any lab or classroom setting. This microscope features a LED light source that is bright and energy-efficient, and a binocular head that provides a clear and comfortable view for the user. This is a high quality microscope that is perfect for lab. Our 50 mm range microscope is one of our most popular models and is perfect for a variety of applications

## Hot Air Oven

A hot air oven is an essential laboratory equipment that uses to dry heat (hot air) to sterilize laboratory objects and samples. This type of sterilization is also known as dry heat sterilization. The most commonly used temperature and time to sterilize items are 170 degrees Celsius for 30 minutes, 160 degrees for 60 minutes, and 150 degrees for 150 minutes. Hot air oven works on the principle of the dry air sterilization process through convection, conduction, and radiation.

# BMLT LABORATORY

## CENTRIFUGE MACHINE

It is used to separate serum & plasma from blood in large volume.

Differentiate various particles using the density gradient.

It can also use for urinalysis to separate urine sediment.

## MINI CENTRIFUGE MACHINE

It is used to separate serum & plasma from blood in large volume.

Differentiate various particles using the density gradient.

It can also use for urinalysis to separate urine sediment.

## ELISA READER

- It is a medical automated reader used in serological laboratory.
- It is designed for measuring antigen/antibody concentration by measuring the intensity of light.

## AUTO CHEMISTRY ANALYZER

- It is an automated analyser used in biochemical laboratory.
- It is designed to assess various biochemical parameters like glucose, cholesterol, urea, creatinine, albumin etc. in biological samples quickly with minimal human assistance.

## INCUBATOR

- Incubate the test sample at a specific temperature.
- Used to provide optimum environment for microbiological tests.

## ELECTROLYTE ANALYZER

- It is a device used for measuring electrolytes like sodium, potassium, calcium etc. in human body.
- It can also be used for critical diagnosis like kidney disease, dehydration etc.

## HEMATO AUTO ANALYZER

- It is a 5 part hematology analyser used for complete blood count (CBC) & 5 part white cell differential result.
- This analyser offers cost effective most accurate & more efficient test result.

## COMPOUND MICROSCOPE

Used to observe the microscopic sample using that device at various magnifications.

Due to artificial light working can be possible at dark environment also.

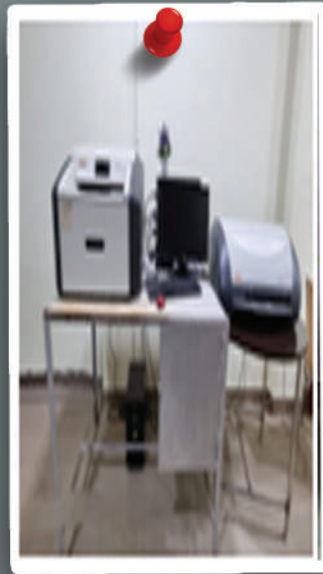
Examination of histological & histopathological samples can be performed.

Photos of the sections can be observe & captured in laptop using the camera attached with the microscop

## DIGITAL PH METER

Used to determine the pH of various chemical solutions & biological samples in quick manner.

# BMRIT LABORATORY



## CR SYSTEM

It is the most convenient method of producing digital radiographic images.

Modern & less time consuming method of image development is possible using that instrument.



## ELECTROCARDIOGRAM (ECG)

- Using that machine the electrical activity of the heart can be recorded.
- Detailing about P,Q,R,S,T and abnormalities can be detected.



## 100mA X-RAY MACHINE

- It is utilized for the various types of soft & hard tissue x-ray.
- Safety lid & jacket is also along with the instrument to eliminate the hazardous effects of the x-ray on the investigators body.



## VIEW BOX

To examine & analyse the x-ray plates.



# PHYSIOTHERAPY LABORATORY

## QUADRICEP TABLE

A quadricep table is a specialized piece of fitness equipment designed for targeted strength training of the quadriceps muscles in the thighs. It typically features adjustable resistance levels and supportive padding to facilitate controlled leg extension exercises for building muscle endurance and improving knee stability.

## THERA BALLS

Thera balls are soft, pliable exercise balls designed for therapeutic purposes, promoting muscle strength, flexibility, and balance through various rehabilitation and fitness routines. They are commonly used in physical therapy,

## ANKLE EXERCISER 2

An ankle exerciser is a compact fitness device designed to strengthen and rehabilitate ankle muscles and joints through controlled resistance movements, promoting stability and flexibility. It is commonly used for injury recovery, enhancing athletic performance, and improving overall lower extremity strength.

## HYDROCOLLATOR PACK

A hydrocollator pack is a therapeutic hot pack used in healthcare settings, containing a gel-like substance that can be heated and applied to relieve muscle aches, joint stiffness, and promote increased blood flow. It is commonly employed for pain management, physical therapy, and rehabilitation purposes.

## WOBBLE BOARD

A wobble board is a balance training tool with a flat, unstable surface, challenging users to maintain equilibrium while performing exercises. It enhances core strength, stability, and proprioception, making it beneficial for rehabilitation, fitness, and improving athletic performance.

## SHOULDER WHEEL

A shoulder wheel is a rehabilitation device featuring a rotating wheel with adjustable resistance, used in physical therapy to improve shoulder range of motion, strength, and flexibility. Patients perform circular movements with their arms against the wheel's resistance, aiding in shoulder rehabilitation and injury recovery.

## WHEELCHAIR

A wheelchair is a mobility device with wheels that enables individuals with mobility impairments to move efficiently, offering independence and accessibility. It plays a crucial role in providing mobility assistance for people with disabilities or limited walking abilities.

## ANKLE EXERCISER 1

An ankle exerciser is a compact fitness device designed to strengthen and rehabilitate ankle muscles and joints through controlled resistance movements, promoting stability and flexibility. It is commonly used for injury recovery, enhancing athletic performance, and improving overall lower extremity strength.

## CPM

Continuous Passive Motion (CPM) is a medical device used in rehabilitation to continuously move a joint through a controlled range of motion, promoting healing after surgery or injury. CPM is often employed in orthopedics, particularly for knee and shoulder surgeries, to prevent stiffness and enhance recovery.

## PEG BOARD

A pegboard is a therapeutic tool with a board and pegs designed for fine motor skills development and hand-eye coordination exercises.

# OPTOMETRY LABORATORY

## JACKSON CROSS CYLINDER

JCC is an optical device used to refine the astigmatic refraction by fine-tuning the axis and strength of astigmatism

## MANUAL LENSOMETER

Lenometer is an instrument used to verify the prescription of eye-glasses or spectacles

## SCHIOTZ TONOMETER

Schiotz tonometer is an instrument for primary measurement of intra-ocular pressure

## SLIT LAMP BI-MICROSCOPE

Slit lamp is a diagnostic tool used by eye care professionals for examining the various structures in the eye, including the cornea, lens, and the anterior chamber.

## SLIT LAMP WITH APPLANATION TONOMETER

The most common uses of Applanation tonometer is to perfect measurement and help to management of glaucoma.

## MANUAL KERATOMETER

Keratometer is a diagnostic tool in the eye care profession used to measurement of curvature of the cornea.

## SYNAPTOPHORE

Synoptophore is a comprehensive unit which helps in complete evaluation of a case of strabismus.

## DIRECT OPHTHALMOSCOPE

Direct Ophthalmoscope is a hand-held optical instrument used to inspect the fundus or posterior segment of the eye.

## INDIRECT OPHTHALMOSCOPE

Binocular Indirect ophthalmoscope is an optical instrument used to inspect the stereoscopic fundal image.

## AUTO-REFRACTOMETER

Autorefractometers are widely used by the eye care professional to assess refractive error, accommodation.

## RETINOSCOPE

Retinoscope is an instrument that used to illuminate inside the eye and estimate the character and amount of the refractive error

## VISION DRUM

Vision drum is an optical device to measure the visual acuity, or sharpness of vision.

## PRISM BAR COVER TEST

An optical device to measure orthoptic errors, i.e., ocular misalignment, or a deviation of the eye. It is used by orthoptist in order to measure the vertical and horizontal deviation including both latent and manifest components

## TRIAL LENS SET WITH TRIAL FRAME

Trial lens set is an optical device used by eye care professional to detect the refractive state



# ACTIVITES OF THE SCHOOL

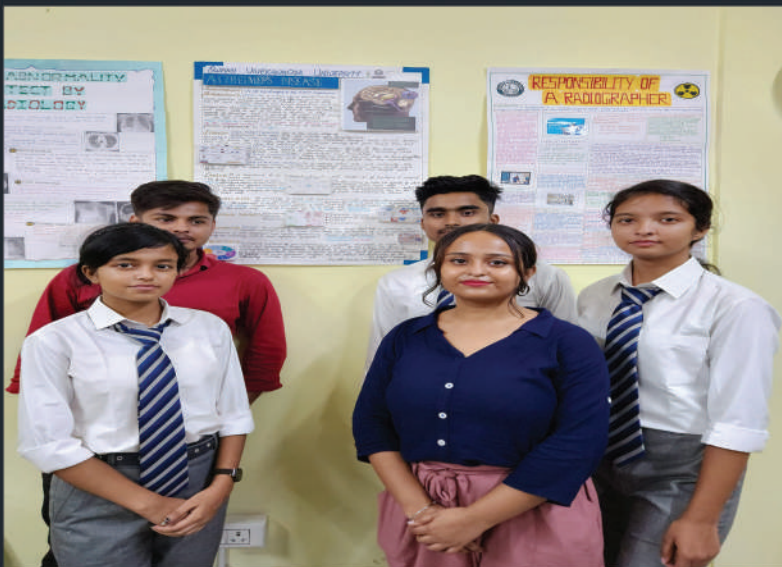
Health Camp at Blooming Buds Day School organised by Swami Vivekananda University , Barrackpore for the betterment of health of the pre-school children.



One day Industrial visit to Bhagwati Foods Pvt. Ltd (Parle) Howrah Food Park, Dhulagori



Celebration of Health Week



Leaders Talk seminar with Dr. Kunal Sarkar ( Senior vice chairman, Director and head of cardiac surgery at Medica super speciality Hospital)



Ministry of Ayush and Swami Vivekananda University Collaborate to Advance Homoeopathic Research.

