



# AMRITSAR INSTITUTES

*Shaping Student's Life And Future*

- Amritsar College of Nursing
- Amritsar Institute of Paramedical Sciences
- Amritsar College of Pharmacy



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## VISION

To be a distinguished beacon of healthcare education, renowned nationally for cultivating skilled, compassionate, and ethical nursing and paramedical professionals who drive innovation and elevate community health standards.



## MISSION

Our mission is to deliver exemplary education and practical training in nursing and paramedical sciences, fostering a culture of excellence, research, and ethical practice. We are dedicated to shaping competent healthcare leaders committed to patient-centric care, community service, and continuous professional growth through strategic partnerships and innovative learning.



### FROM *Chairman's Desk*

"It is with great pleasure and a sense of pride that I extend a heartfelt welcome to all aspiring students on behalf of the management and the entire Amritsar Institutes (AI) family. We are delighted to have you join us as you embark on this transformative journey to build a rewarding career in nursing, paramedical and allied sciences. At AI, we have a clearly defined vision, mission, and set of core values that guide our every endeavour. We are committed to leveraging our state-of-the-art infrastructure and exceptional intellectual capital to achieve these goals and uphold these values. Our primary aim is to nurture nurses through a robust educational program, equipping them to serve institutions and patients with exceptional care while addressing the fundamental health needs of the community. We are acutely aware of the evolving demands of society and the healthcare sector. As such, we place a strong emphasis on imparting education and training that extends beyond the prescribed syllabus. Our goal is to shape our students into not only skilled professionals but also compassionate and ethical individuals who contribute positively to society. To ensure relevance and excellence, our curriculum is designed to be flexible and adaptive, keeping pace with the latest advancements and changes in the field of nursing and patient care. At AI, we function as a close-knit family, fostering an environment of collaboration, support, and mutual growth. We sincerely hope that your time with us will be enriching, comfortable, and memorable, laying a strong foundation for a successful and fulfilling career in nursing. Welcome to the AI family—where dreams are nurtured, and futures are built."

**VAIDYA SUBHASH CHANDER**  
*Chairman AI*



### FROM *Director's Desk*

"It is indeed a profound pleasure to connect with you through this platform. At the Amritsar Institutes, we stand apart in our innovative approach to healthcare education and our distinctive pedagogical methodologies. Our institution is committed to fostering a learning environment that is dynamic, employing creative and unique teaching techniques which inspire excellence. As we look to the future, we are driven by a vision to introduce regular evaluations and quality enhancements that align with our institutional objectives. Our ultimate goal is to serve society with unwavering sensitivity and dedication, ensuring that our students are not only equipped with knowledge but also imbued with the values necessary to lead meaningful lives. Education, in our view, transcends the mere acquisition of knowledge. It is a journey of self-discovery, shaping one's character and preparing individuals to lead fulfilling lives. At our institute, we strive to be responsive and compassionate, particularly towards students who require additional support. Our highly experienced and dedicated faculty members bring a wealth of expertise and a unique, wholehearted approach to teaching, ensuring that every student receives the guidance they need to thrive. While it brings me immense joy to witness our talented students achieve remarkable success, it is even more gratifying to see a struggling student from a rural background steadily progress from modest beginnings to achieving excellence. These stories of growth and perseverance are a testament to our commitment to nurturing potential at every level. Together, let us continue to build a future where education is a force for positive change, empowering individuals and transforming communities."

**DR. NIPUN PASSI**  
*Director*



## AMRITSAR COLLEGE OF NURSING

The Nursing college offers courses like A.N.M, G.N.M, B.Sc.(N) & certificate courses in emergency cum ambulance attendant, operation theatre attendant, hospital & home based care attendant & home based care helper that will serve the community and provides experience that helps to upgrade the profession and improve professional growth. The class rooms are fully ventilated, airy, spacious with natural light for whole of the day. Our college has 100 bedded multi-speciality parent hospital with modernized and highly equipped and highly professionalized clinical team. The college is also equipped with laboratory facilities as per the norms and also has library facilities with books, journals & internet facilities that cater the needs of the students.

**AIM:** To serve as a base for further professional education & specialisation in Nursing

**QUALITY POLICY:**

- Excellence in Nursing Education
- Inculcation of Leadership Qualities
- Promotion of Research
- High Standards of Nursing care
- Community participation for Health & development activities

**PERFECT VISION:**

The institution has a consistency in improvement, adherence to Quality & establishment of Quality Standards is a benchmark of our Institution since Inception. We intend to care for Quality Infra structure, Quality Facilities & Quality Education. Each year blooms with a new hope and a new batch of blooming students having zeal for significant achievement. We extend our hearty welcome to all our inspiring students. It is an intense commitment and assurance that your study at our Institute will bring long lasting memories in the field of education, discipline and a blossoming career.



**MR. DHILIP KUMAR**

*M.Sc (N)*

*Medical Surgical Nursing*

### PRINCIPAL'S MESSAGE

The Nursing Profession is the noblest of all professions and in immense demand globally, offering a highly rewarding career. Since 2006, Amritsar College of Nursing aims to train dedicated and expert nurses, capable of contributing towards the development of emerging health care systems in public and private health care organizations as well as community services. Our faculty continues to grow in stature by contributing to practice based education and research & Innovative methods of teaching. Never in history of health care have nurses had such wide opportunities and improved prospects. I welcome all the new students and wish them success through their academic journey to usher the knowledge in meeting the challenges posed by the global economy.



# COLLEGE OF NURSING

(Affiliated to  
BFUHS, Faridkot,  
PNRC, Chandigarh &  
INC, New Delhi)



## B.Sc (NURSING) 4 years Course:

The goal of the graduate nursing programme is to provide education and sound training in the field of nursing with an emphasis on preparing student nurses to meet the basic health of the community people as well as to meet the requirements of emerging hospitals/nursing homes and teaching institutions. Nursing is based on values of caring and aims to help individuals to attain independence in self-care. It necessitates development of compassion and understanding of human behavior among its practitioners to provide care with respect and dignity and protect the rights of individuals & groups.

Undergraduate nursing programme (B.Sc.Nursing) is broad based education within an academic framework specifically directed to the development of critical thinking skills, competencies & standards required for practice of professional nursing and Midwifery. B.Sc. Nurses are trained health care professionals who are capable of taking care of patient, treating them and assisting doctors in treatment and surgery. This nursing education programme prepares its graduates to become exemplary citizen by adhering to code of ethics and professional conduct at all times in fulfilling personal, social and professional obligations so as to respond to national aspirations.

### ELIGIBILITY CRITERIA:-

+2 medical stream with 45% aggregate marks in core subjects (PCB) for general candidates, 40% for SC, ST & OBC Candidates and must clear the PPMET examination with 50% marks conducted by BFUHS faridkot

### SCOPE OF NURSING AS PROFESSION:-

• A global availability • Indian nurse preferred worldwide • Scope of specialization • Well paying profession • Job security

## GNM (GENERAL NURSING & MIDWIFERY) 3 Years Course :

General Nursing and Midwifery or GNM is a three year diploma course designed for aspirants who desire to pursue a career in the domain of paramedics to attain Clinical training. GNM course are designed for students to derive excellence in health care delivery through innovative and transformative academic and skill building program. This Course shall equip students with the knowledge, skill and attitude to render comprehensive nursing care to their clients with various disorders in hospital, home and community.

GNM Nurses are prepared to cope up with the changing needs of the society. The students are shaped to exhibit positive attitude and character upholding the dignity of the individual and the Nursing profession. These Students have an important role in preventing the disease, promoting health & collaborate with other health team members in restoration of Health & Rehabilitation.

### SCOPE OF GNM

• The main aim of GNM to prepare nurses to function as efficient members of the health team beginning with the competencies for first level positions in all kinds of health care settings.

**ELIGIBILITY CRITERIA :** • 10+2(any stream) with english having 40% mark's and 35% marks for SC/ST candidates .



## POST BASIC B.SC NURSING\* (2 YEAR)

Post Basic B.Sc (Nursing) is a 2 year course designed to provide additional skills to students with nursing background. The goal of this programme is to provide education and competency in the field of nursing training with an emphasis on promotion of health care delivery system of the country with qualitative skills in communication and interpersonal relationship, attaining leadership qualities and decision making abilities as to meet the requirements of emerging hospitals/nursing homes.

This Course provides opportunity to a large segment of GNM nurses to upgrade their knowledge and skills to respond to the changing health needs of the society. This course help nurses to maintain clinical competence to provide quality care & develop teaching, administration and research skills. This course aims to promote personal and professional growth for better opportunities. Post Basic B.Sc. Nursing is a 2 year undergraduate program pursued for candidate interested in the field of nursing. A qualified RN is capable of administering preventive, promotive, curative and rehabilitative services to patients and communities at large.

### ELIGIBILITY CRITERIA:-

Passed GNM after completing +2. Candidate should also be a registered nurse and midwife. And must clear the PPMET examination conducted by BFUHS Faridkot.



## ANM (AUXILIARY NURSE MIDWIFERY) 2 Years Course:

ANM course is a diploma course in the field of medical nursing. It is an integral part of the health care system which promotes health check up and prevention of illness within the broad spectrum of health care. This course offers on ground training to the candidates to gain practical experience. The sole purpose of this course is to prepare candidate to address the needs of the patients in the changing society with the help of clinical methodologies making the candidates ready.

This course is preparing students in health related jobs like care of equipment, setting up Operation Theater, provide medication timely to patient, maintain records and train the students to work as basic health workers and help the whole community people in providing health care and work on their rehabilitation. This course has its importance because of the need for people to have knowledge in the nursing profession. This course is available in both part-time as well as full time. It is the right career choice for candidates who determined who have skills like flexibility and observation skills which are crucial to good nursing.

**Eligibility Criteria :** 10+2 (any stream) with 40% marks and 35% for SC/ST candidates.

## MPHW (Multi Purpose Health Worker)\*\* 1 year course

The objective of MPHWH is to impart knowledge and skill sets to equip them to carry out core activities in the field of prevention and control of diseases of public health importance.

**Eligibility** – 12th or equivalent from recognized board.

**Scope :** The multipurpose health worker is the grass root functionaries for the control of communicable diseases including Malaria, T.B., Leprosy, Water born diseases as well as environmental sanitation, Detection of diseases outbreaks and their control, Health education.

\* Subject to Affiliation from BFUHS, INC, PNRC

\*\* Affiliated From Desh Bhagat University, Mandi Gobindgarh (Pb.)



# LABORATORY FACILITIES

## **NURSING FOUNDATION LAB:**

Nursing Foundation Lab is the practical area for the students to demonstrate & re-demonstrate Nursing procedures prior to the clinical training to enable the students to gain adequate knowledge regarding basic procedures through which the firm foundations of the fundamentals of nursing will be laid down. To nourish the foundation our spacious lab is well suited with dummies and many simulators on which students will be taught the preliminary training of patient care. The Nursing foundation lab is extremely realistic with Simulation equipments where students can acquire enormous experience to meet the multi disciplinary educational needs of the Nursing Students

This lab is well equipped with 10 beds and set up of all items needed for nursing procedures practice to provide comprehensive nursing care to the client's admitted in the hospitals student will be given preliminary training in patient care at the college laboratory. Nursing Foundation laboratory helps the students to develop and understand the philosophy, objectives, theories and process of nursing in various clinical settings.



## **PRE-CLINICAL LAB:**

Pre-Clinical Science lab provides comprehensive knowledge of microbiology, anatomy, physiology and biochemistry. This lab is designed with excellent infrastructure, equipped with various specimens, models, slides and charts. Therefore, the students can have more understanding related to the structure and physiological process of various organs and system of the human body.

This lab is well equipped with models and specimens all the bones, skeleton and subject related charts etc. The students are encouraged to use our anatomy lab to learn an anatomy of bone, joints and other systems. The lab is well furnished with adequate Lighting & proper ventilation for students to learn with comfort & acquire sufficient skills in detecting the various Organ systems. This lab also provides the opportunity for the students to identify the micro-organisms and practicing infection control methods. The students learn how to handle the microscope and see the morphology of microbial pathogens.



# LABORATORY FACILITIES

## COMMUNITY HEALTH NURSING LAB:

Community Health Nursing Lab is a miniature of community setting be it is a rural or urban. It has necessary articles, home visits bags, community folders & equipment that will help our students to get adequate experience in the community.

Through community health nursing labs, students acquire knowledge & skills to provide comprehensive care to the Individuals, families & their communities. This lab is equipped with models like ideal home & villages, water purification Systems & Sanitary measures

This lab ensures that the students learn home visiting bag technique and practice the community health nursing while providing family health care at the door step of the clients using modified home visiting kits. Our lab is well equipped with articles for preparing nursing students to deliver health care to the people at their doorsteps in both urban and rural communities.



## MATERNAL & CHILD HEALTH LAB:

The infrastructure of this lab is to help the students to learn with dummies that contain mother & child so that students get knowledge and experience in conducting delivery. There are also equipment and articles for the care of mother, new born and pediatric child.

The MCH Lab is equipped with maternity examination model, gynecological examination model, delivery & birthing Simulators, fetal Skull, pelvis, charts & other equipment. For child Health Nursing procedures the lab has models, charts & various play therapy materials to develop the students with skills before performing the live procedures on patient in the hospital. This lab provides students with an opportunity to learn and develop the skills essential to midwifery practice within a supportive environment. MCH lab provides a learning atmosphere to the students for developing skills before performing the procedures in the hospital.



# LABORATORY FACILITIES

## **NUTRITION LAB:**

Nutrition lab facilitates learning by providing the faculty and students with the settings, models, equipment and supplies necessary to develop skills regarding nutritious diet for a patient. The college has a well equipped state of art nutrition lab to provide practical knowledge of how to plan therapeutic diet keeping in mind the patient needs and requirements. The students are taught to plan the menu scientifically, based on the calorific value of the food materials.

Students get excellent training in nutrition and dietetics to prepare various types of diet like bland diet, Cardiac Stage diet, Diabetic diet, renal diet etc. The laboratory is used by students for basic cooking skills. Our specially designed laboratory is used for extra-curriculum activities for the nutrition students and staff such as healthy eating cooking. The laboratory includes industry standard cooking equipments and also contains healthy eating educational tools such as large scale eats well guides and food models.



## **COMPUTER LAB:**

Computer lab is well suited and designed with latest computers with world class software enabling the students to match the pace of the world around them. All computers units share local area network.

Computer labs provide a learning atmosphere to the students, So they can acquaint themselves with computer Applications & skills. The Computer lab is typically equipped with fully functional computers with WiFi facilities & variety of Software. The computer lab is supervised by an full time computer Instructor who teaches the students efficiently in carrying out various computer Applications

The objective is to assist and enhance the possibilities of our nursing students in succeeding with their assignments. They provide opportunity for the students to carry out deeper research for their projects. Computer lab in Amritsar College of Nursing is equipped with sufficient computer systems.



# CERTIFIED COURSES OF NURSING

(Affiliated to BPCCHN) Eligibility: Matric pass



## Emergency-Cum-Ambulance Attendant (1 yr. Course)

This course is to prepare a cadre of manpower for ambulances in the field of trauma care victims and resuscitation who can provide care as a first level management team at the site of trauma. The certificate course, emergency cum ambulance attendant has been designed with an overall objective to prepare a cadre of manpower for ambulances in the care of trauma, casualties, resuscitation etc. Who can provide care at hospital level as well as first level management team at the site of trauma. Beside care of trauma patient. These trained personal will also accompany and take care of any kind of patient during their referral to the health facilities.



## Operation Theatre Attendant (1 yr. Course)

The Operation Theatre Attendant course trains students to become thorough with all the pre and post-surgery procedures. The course also enables students to learn how to assist surgeons inside an operation theatre, transport patients, prepare the operating room for surgery, set up, check, connect and adjust surgical equipment, technical assistance to surgeons, clean & restock the operating room, arranging instruments & supplies. The operation theatre Attendant is also responsible for maintaining other technical equipment like lighting, sounds, and other things that are important during surgery. In majority of hospitals the OT Attendant is responsible for the smooth running of the surgical process. They help the doctors, nurses, surgeons, anaesthetists, and other administrative staff. It is very important for an OT technician to be calm and reassuring to provide comfort to the patient.

## Hospital and Home Based Care Attendant (1 year Course):

The course is designed to prepare cadre of man power who would be able to provide basic nursing care, perform simple procedures and also attend to the psychological socials and spiritual needs of the patients and to maintain a safe working environment . A hospital care attendant under the supervision of a registered nurse to provide care to people at home after discharge from hospital. After completing of the course student will be able to work in hospital or home to provide care to the sick and rehabilitating patients . In future they usually hired to look after old age folks and patience suffering from chronic diseases there also recruited by whom nurse agencies.



## Home Based Care Helper (6 months Course):

This course is designed to prepare manpower to provide long term care which is an integral part of health and social system it includes activities undertaken for people requiring care by informal care givers at the clients. Comfort home based care helper may assist patient with activities of daily living such as bathing and feeding for they direct surprise the aid in providing ADL care in this helper keep track of vital sign carry out physician order draw blood and documentation task it helps to perform multiple task and communicate with patient family and health team about the health of patient. This course helps to attain good job opportunity in future. And it will enhance practice knowledge too.





# AMRITSAR NANNY INSTITUTE



## ABOUT THE INSTITUTE

Amritsar Nanny Institute is **Affiliated to Centre of Excellence, DBU, Mandi Gobindgarh & member of International Nanny Association** works with a mission to improve the quality of life for caregivers and those they care for, through providing educational information and services in the field of child care, geriatric care, care of disability and other medical responses. Our best efforts are to keep the caregivers up to date with the latest knowledge, updating them with rules and regulations they enjoy being a nanny and provide them with the regular knowledge so that they can show perfection and professionalism in the work they do, so, Amritsar Nanny Institute has started a nanny course of Child care professional with the duration of 6 Months. Furthermore, we will be working hand in hand with the caregiver and the employer to help in justifying their profession and work.

## CAREGIVER NANNY PROGRAM:

### COURSE NAME : DIPLOMA IN NANNY (1 YEAR)

To prepare a skilled and well-trained workforce essential for providing high quality care and education services to children and families. Through professional development, child care providers acquire knowledge and skills needed to plan and implement quality early learning experiences. If you are child care provider looking for professional development opportunities, the Amritsar Nanny Institute is providing training for child care providers in classroom based curriculum program. We offer variety of training, education and resources to help you earn the experience and training needed to be successful in the early childhood and school age care workforce.

#### **Roles & Responsibilities of a Nanny in Child Care Professional:-**

- Supervise and care for children in employer's or own residence
- Bathe, dress and feed infants and children
- Prepare formulas and change diapers for infants
- Plan, prepare and serve meals for children and may perform other housekeeping duties
- Oversee children's activities, such as meals and rest periods, as instructed by employer
- Maintain a safe and healthy environment in the home
- Instruct children in personal hygiene
- Tend to the emotional well-being of children and support their social development
- Discipline children according to the methods requested by the parents
- Organize and participate in activities such as games, crafts, reading and outings
- Take children to and from school and appointments
- May be required to keep records of daily activities and health information regarding each child.

**Eligibility Criteria:** Candidates should have passed 10/10+2 in any stream. The Duration of the Course is 1 Year.





DR. NIPUN PASSI

### PRINCIPAL'S MESSAGE

I have a great pleasure in expressing my thoughts as a principal of Amritsar college of Pharmacy (up-void). And our college holds one of the manifold distinctions of being amongst the best when one considers the present status of Ayurvedic education today. Pharmacists are health care professionals and practice in the field of pharmacy. They are knowledgeable about drug therapy, types of different drugs, manufacturing process and optimum use of drugs. The college is providing most effective resources and environment; facilitating the learning and development of students. Our mission is to prepare our students with knowledge and skills and transform them to compete successfully in today's job market and for lifelong learning. In addition to great teachers, we also provide our students with an innovative and engaging curriculum. I appreciate teaching staffs who are rendering their wholehearted support and co-operation to make the institution the centre of excellence.

### A BRIEF HISTORY OF AYURVEDA

Ayurveda is the oldest surviving complete medical system in the world. It is derived from ancient Sanskrit roots- 'ayus' (life) and 'ved' (knowledge) and offering a rich, comprehensive outlook to a healthy life. It enhances physical and psychological wellbeing, promoting longevity for the body as a whole. The knowledge of Ayurveda, it is said, was passed on by holy and learned via oral learning tradition, until it was collated into text form roughly 5000 years ago.

Ayurveda medicine is entirely based on herbs, which have certain medicinal value. And it has many solutions to cure number of health related problems and diseases. Most of herbs, thus formulated are free from side effects or reactions. This is the reason why Ayurveda is growing in the popularity across the globe.

### ABOUT THE COLLEGE

Amritsar college of pharmacy provides diploma in ayurvedic pharmacy, a field of medicine which is growing in prominence from past few years. Ayurveda as an emerging field lays out a plethora of opportunity for young aspirants who wish to pursue their career in the field of Ayurveda. The program is an integrated study of Ayurveda as a field combining it with the pharmacy. This course enables candidates to know about the chemical properties of ayurvedic medicines, the proportion, composition and the amount in which it should be taken by patients. They are instilled with the fundamental principles of Ayurveda and its uses in treating different ailments. It builds a strong base for those who wish to pursue a higher qualification in the field of ayurvedic pharmacy. We, focus on a curriculum that provides both theory and practice for the aspirants that primarily deals in drugs and its medications used in Ayurveda as a field of medicine. Apart from this, additional knowledge are rendered through seminars, discussions, case studies, and presentations.

**JOB ROLES:** Diploma in Ayurvedic Pharmacy have wide opportunities in career front in different areas of Ayurveda like Ayurveda Hospitals both government and private sector, Medical Shops, Pharmaceutical Companies, Colleges, Universities and much more. The course aims to build the candidates with the knowledge of the sector by making them expertise in Ayurvedic medicine and for taking up higher educational programs.

**AFFILIATION:** The Amritsar College of Pharmacy (up-void) is recognized by Punjab Govt and Affiliated to Punjab State Faculty of Ayurvedic and Unani Systems of Medicine Punjab, Mohali.

**ELIGIBILITY CRITERIA:** Candidates should be passed 10+2 (Any stream). The minimum age requirement is 17 years or more as December 31st of the year admission. The Duration of the Course is 2 years.





# AMRITSAR INSTITUTE OF PARAMEDICAL SCIENCES

• Recognized by Punjab Government • Affiliated to IKG Punjab Technical University, Kapurthala

## ABOUT THE AMRITSAR INSTITUTES

Amritsar Institute of Paramedical Sciences and Amritsar College of Nursing, under the umbrella of Amritsar Institutes, stand as distinguished centres of excellence in healthcare education. Both institutions are committed to preparing competent, compassionate, and ethically responsible professionals who are capable of meeting the ever-evolving demands of the global healthcare sector. Amritsar Institute of Paramedical Sciences offers a dynamic learning environment where students gain expertise through advanced laboratories, innovative teaching methodologies, and hands-on clinical exposure. The curriculum is carefully designed to integrate theoretical knowledge with practical skills, ensuring that graduates are industry-ready and capable of delivering quality patient care across diverse medical settings. Amritsar Institutes is dedicated to fostering leadership, empathy, and professional excellence in nursing education. With highly qualified faculty, modern simulation facilities, and strong collaborations with leading healthcare institutions, the College nurtures future-ready nurses who excel both in clinical practice and research. Together, these institutions embody the vision of "Excellence in Healthcare Education", shaping skilled professionals who contribute meaningfully to the health and well-being of society.

### PRINCIPAL'S MESSAGE

"It is with immense pride and heartfelt enthusiasm that I extend a warm welcome to you at Amritsar Institutes located in Vill. Kherdin Ke, Amritsar-Chabal Road, Distt. Tarn Taran, Punjab. Our institution stands as a beacon of excellence in nursing education, steadfastly committed to the professional and personal development of future healthcare leaders. As a distinguished center of learning, Amritsar Institutes has consistently set unparalleled benchmarks in both academic and co-curricular domains. Our mission is to cultivate compassionate, skilled, and innovative nursing professionals who excel in their respective fields and contribute meaningfully to the global healthcare landscape. At AGI, we believe in the power of holistic education, one that transcends traditional classroom boundaries and textbooks. We actively promote research, hands-on training, leadership development, and community service, empowering our students to emerge as well-rounded, competent, and empathetic healthcare professionals. Our institution takes immense pride in its remarkable achievements in both curricular and extracurricular arenas, shaping individuals who are not only career-ready but also socially responsible. I invite you to join us in this journey and become a part of our illustrious academic legacy. Together, let us forge a future where knowledge converges with service, and education becomes a catalyst for meaningful change. Welcome to Amritsar Group of Institutes—where excellence meets compassion, and dreams take flight."



**Dr. Sandeep Singh**  
Ph.D., Principal





# AMRITSAR INSTITUTE OF PARAMEDICAL SCIENCES

• Recognized by Punjab Government • Affiliated to IKG Punjab Technical University, Kapurthala



## AIM

To serve as a strong foundation for advancing professional education and specialization in Allied Health Sciences, while empowering students to evolve into competent, compassionate, and innovative healthcare professionals.

## QUALITY POLICY

- Excellence in Allied Health Education
- Adherence to Global Standards of Clinical Practice & Patient Care
- Cultivation of Leadership and Ethical Values
- Active Community Engagement for Health Promotion & Development Initiatives
- Encouragement of Research, Innovation, and Lifelong Learning



## “OVERVIEW OF COURSES OFFERED”

### 1. B.SC. – MEDICAL TECHNOLOGY (ANESTHESIA & OPERATION THEATRE) - MT (AOT)

The Bachelor of Science in Medical Technology (Anesthesia & Operation Theatre) is a professional program offered under IKG Punjab Technical University norms, crafted to prepare highly competent and ethically responsible healthcare technologists. This specialized program emphasizes advanced learning in anesthesia techniques, perioperative care, and operation theatre management. Students are exposed to an integrated blend of theoretical concepts, clinical practice, and technological innovations that underpin modern surgery and patient safety.

Through extensive training in simulation labs and hospital settings, learners acquire the expertise to support anesthesiologists and surgeons in complex procedures, handle state-of-the-art biomedical equipment, and ensure adherence to global standards of sterility and infection control. The program also fosters problem-solving ability, critical decision-making, and compassionate patient care, enabling graduates to emerge as indispensable members of surgical and critical care teams.

#### Eligibility:

- 10+2 (Medical) with 50% aggregate and 55% in PCB (45% for SC/ST) OR
- Diploma in Anesthesia & Operation Theater Technology with 50% aggregate

#### Duration: 4 Years

#### Job Responsibilities:

- Assist anesthesiologists in safe administration and monitoring of anesthesia.
- Prepare and maintain operation theater environment, equipment, and surgical instruments.
- Ensure sterilization, hygiene, and infection control before, during, and after procedures.



- Monitor patients' vital signs during surgery and provide critical support in emergencies.
- Assist in post-operative recovery, intensive care management, and patient documentation.
- Collaborate with surgeons, nurses, and medical staff as an integral part of the healthcare team.
- This degree opens pathways to rewarding careers in multi-specialty hospitals, surgical centers, emergency care units, and opportunities for higher studies in allied health sciences.

## 2. B.Sc. – Radiology & Imaging Technology



The Bachelor of Science in Radiology & Imaging Technology is a prestigious undergraduate program offered under IKG Punjab Technical University norms, designed to train proficient radiology technologists who are vital to modern medical diagnostics. This program focuses on advanced imaging modalities such as X-ray, CT Scan, MRI, Ultrasound, and Nuclear Medicine. Students gain a strong foundation in human anatomy, radiation physics, imaging techniques, and safety protocols, combined with practical exposure in hospital diagnostic departments. The curriculum blends theory with hands-on clinical training, ensuring graduates are skilled in operating

sophisticated imaging equipment, analyzing diagnostic results, and assisting physicians in accurate disease detection. Emphasis is also laid on ethical practice, patient care, and adherence to international safety standards, preparing students to excel in a highly dynamic healthcare environment. With the ever-growing demand for diagnostic imaging, this degree provides immense scope for rewarding career opportunities in hospitals, diagnostic centers, and advanced research facilities.

### Eligibility:

- 10+2 (Medical) with 50% aggregate and 55% in PCB (45% for SC/ST) OR
- Diploma in Radiology & Imaging Technology with 50% aggregate

**Duration:** 4 Years

### Job Responsibilities:

- Operate and manage imaging equipment such as X-ray, CT, MRI, and Ultrasound.
- Ensure radiation safety measures for patients and healthcare staff.
- Assist radiologists in capturing and analyzing high-quality diagnostic images.
- Maintain imaging records and support accurate medical reporting.
- Provide patient care, positioning, and preparation during imaging procedures.
- Contribute to early disease detection, treatment planning, and emergency diagnostics.
- This degree opens gateways to careers in hospitals, diagnostic labs, cancer institutes, emergency medicine, and opportunities for higher education in medical imaging and radiological sciences.

## 3. B.Sc. – Cardiac Care Technology (CCT)

The Bachelor of Science in Cardiac Care Technology is a specialized undergraduate program under IKG Punjab Technical University norms, aimed at developing highly skilled technologists to support cardiologists and cardiovascular surgeons in delivering advanced cardiac care. This program equips students with in-depth knowledge of human cardiac anatomy, physiology, pathology, and the use of modern diagnostic and therapeutic equipment such as ECG, Echocardiography, TMT, Holter Monitoring, Cath Lab procedures, and life support systems. Students undergo intensive training in clinical settings,



enabling them to assist in cardiac catheterization, interventional cardiology, cardiac surgeries, and intensive coronary care. The curriculum integrates theoretical learning with hands-on clinical exposure, ensuring competency in handling emergencies like heart attacks, arrhythmias, and cardiac arrest situations. Alongside technical expertise, the program nurtures compassionate care, critical decision-making, and professional ethics, thereby preparing graduates for vital roles in cardiac healthcare teams. With cardiovascular diseases on the rise globally, skilled cardiac technologists are in high demand, making this degree a pathway to a secure and fulfilling career.

**Eligibility:**

- 10+2 (Medical) with 50% aggregate and 55% in PCB (45% for SC/ST) OR
- Diploma in Cardiac Care Technology with 50% aggregate

**Duration:** 4 Years

**Job Responsibilities:**

- Assist cardiologists in diagnostic procedures like ECG, Echo, TMT, and Holter monitoring.
- Operate and maintain cardiac diagnostic and therapeutic equipment.
- Support in cardiac catheterization and interventional procedures in Cath Labs.
- Monitor and manage patients in coronary care and critical care units.
- Provide emergency assistance during cardiac arrest and life-threatening arrhythmias.
- Maintain accurate patient records and ensure adherence to healthcare protocols.
- Graduates can pursue careers in multi-specialty hospitals, heart institutes, critical care units, and also advance into postgraduate specializations in cardiac sciences.



**4. B.SC. – MEDICAL LABORATORY SCIENCES (MLS)**

The Bachelor of Science in Medical Laboratory Sciences is a highly specialized undergraduate program under IKG Punjab Technical University norms, designed to prepare competent laboratory technologists who form the backbone of modern diagnostic medicine. This program imparts advanced knowledge and practical expertise in clinical biochemistry, hematology, microbiology, immunology, pathology, molecular biology, and blood banking. Students are trained to skillfully handle laboratory equipment, conduct diagnostic tests, analyze clinical samples, and interpret results with precision and accuracy. The curriculum blends classroom learning with extensive laboratory and hospital-based training, ensuring graduates are equipped to assist physicians in disease detection, treatment planning, and patient monitoring. Emphasis is placed on ethical practices, quality assurance, infection control, and emerging technologies such as molecular diagnostics and genetic testing. With diagnostic medicine being central to effective healthcare delivery, this program creates professionals who are indispensable in hospitals, diagnostic centers, research labs, and public health institutions.

**Eligibility:**

- 10+2 (Medical) with 50% aggregate and 55% in PCB/PCM (45% for SC/ST) OR
- Diploma in Medical Laboratory Technology with 50% aggregate



**Duration:** 4 Years

**Job Responsibilities:**

- Perform laboratory tests in hematology, microbiology, biochemistry, and pathology.
- Operate, calibrate, and maintain modern diagnostic laboratory equipment.
- Assist in advanced diagnostic techniques including molecular and genetic testing.
- Ensure strict compliance with infection control and quality assurance protocols.
- Support physicians in accurate diagnosis and monitoring of diseases.
- Maintain laboratory records, prepare reports, and contribute to research initiatives.
- Graduates of this program enjoy career prospects in hospitals, diagnostic laboratories, blood banks, forensic labs, and opportunities for higher studies in medical and allied health sciences.



**5. B.SC. – OPTOMETRY**

The Bachelor of Science in Optometry is a specialized undergraduate program under IKG Punjab Technical University norms, aimed at developing skilled eye-care professionals who play a crucial role in the prevention, diagnosis, and management of vision disorders. This program provides comprehensive knowledge of ocular anatomy, physiology, optics, refraction, ophthalmic instruments, contact lens technology, low vision aids, and clinical ophthalmology. Students undergo rigorous training in both theoretical and clinical domains, enabling them to examine, detect, and manage various refractive errors,

binocular vision anomalies, and ocular diseases. With hands-on exposure in eye hospitals, vision care centers, and optical clinics, learners gain expertise in prescribing corrective lenses, conducting vision therapy, and assisting ophthalmologists in surgical and non-surgical eye care procedures. The program also emphasizes patient care, ethical practice, and the use of advanced diagnostic tools, preparing graduates for rewarding careers in the expanding field of eye health. Given the increasing prevalence of vision-related problems, optometry professionals are in high demand across the globe.

**Eligibility:**

- 10+2 (Medical) with 50% aggregate and 55% in PCB/PCM (45% for SC/ST) OR
- Diploma in Optometry with 50% aggregate

**Duration:** 4 Years

**Job Responsibilities:**

- Conduct vision screening, refraction, and eye examinations.
- Prescribe spectacles, contact lenses, and low vision aids.
- Assist ophthalmologists in the diagnosis and management of eye disorders.
- Operate and maintain ophthalmic diagnostic equipment.
- Provide vision therapy, rehabilitation, and preventive eye care.
- Educate patients on eye health, ergonomics, and preventive measures.
- Graduates can pursue careers in hospitals, eye care clinics, optical chains, research institutes, and also advance into postgraduate studies in optometry and vision sciences.



## STATE-OF-THE-ART LABORATORIES AT AIPS

The Amritsar Institute of Paramedical Sciences is distinguished by its world-class laboratory infrastructure, meticulously designed to complement each specialized program in Allied and Health Sciences. These laboratories are not only technologically advanced but also aligned with global academic and clinical standards, ensuring that students acquire hands-on expertise, critical thinking, and professional excellence.

### **AOTTLAB**

Anesthesia Simulation Laboratory for induction, monitoring, and pain management; Operation Theatre Technology Laboratory with advanced surgical instruments and sterilization units; Critical Care & Post-operative Recovery Laboratory for comprehensive patient management; and Surgical Skills & Instrumentation Laboratory to develop expertise in preoperative care.

### **RITLAB:**

The department is equipped with an Advanced Radiology & Imaging Laboratory featuring digital X-ray, CT, and MRI simulators, an Ultrasound & Digital Imaging Facility for applied diagnostic training, and a Radiation Physics & Safety Laboratory designed for precision learning in radiological protection.

### **CCTLab:**

The program is supported by a Cardiac Catheterization Simulation Suite for invasive and non-invasive procedures, an ECG, Echocardiography & TMT Laboratory for advanced diagnostic and monitoring skills, and a Critical & Cardiac Emergency Laboratory designed to train students for real-time clinical interventions.

### **MLSLAB:**

The program is supported by a Hematology & Clinical Pathology Laboratory equipped with automated analyzers, a Microbiology & Immunology Laboratory for culture, staining, and serological techniques, a Clinical Biochemistry Laboratory with advanced diagnostic equipment, and a Histopathology & Cytology Laboratory for specialized specimen analysis.

### **OPTOLAB:**

The discipline is strengthened with a Clinical Optometry Skills Laboratory for refraction and vision assessment, a Low Vision & Contact Lens Laboratory equipped with dispensing and fitting facilities, and an Ocular Diagnostics & Disease Laboratory for advanced ophthalmic training.



## WHY US?

- Affiliation with multispecialty hospitals, ensuring unparalleled clinical training and patient-care exposure
- State-of-the-art laboratories designed in accordance with Paramedical Council benchmarks for hands-on excellence
- A team of distinguished and highly qualified faculty, blending academic expertise with practical insights
- Industry-aligned curriculum enriched with extensive clinical immersion and experiential learning. A comprehensive library and e-resource center, offering access to renowned national and international journals
- Structured placement assistance and career guidance for a seamless transition into the healthcare sector

## SAFE & INCLUSIVE CAMPUS

- Anti-Ragging Committee: Ragging-Free Campus with strict adherence to UGC and Government of India regulations. Anti-Ragging Committee ensures secure and welcoming environment.
- Students' Grievance Redressal Cell: To ensure fair and transparent resolution of concerns.
- Internal Complaints Committee (ICC): To uphold dignity, equity, and gender sensitivity.
- Disciplinary Committee: To maintain decorum, discipline, and academic integrity.
- SC/ST Welfare Cell: To ensure inclusivity and equal opportunities for all students.
- Ethics & Research Committee: To guide scholarly activities in line with professional standards.

## STUDENT SUPPORT & FACILITIES

- Well-furnished hostels and safe transport facilities for a comfortable academic journey
- Scholarships and financial aid for meritorious and deserving students
- Community outreach initiatives and health awareness programs, fostering social responsibility
- Leadership development and personality enrichment programs to nurture future-ready professionals
- A Wi-Fi-enabled smart campus with modern infrastructure for digital learning and research







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