



BRAHAMPUR
PINPMS



**PATNA INSTITUTE OF NURSING
&
PARAMEDICAL SCIENCE**

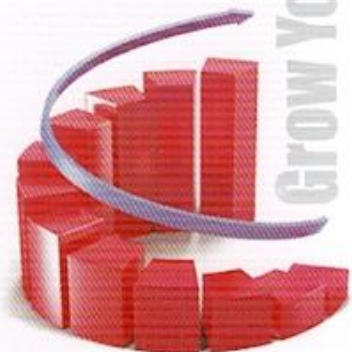
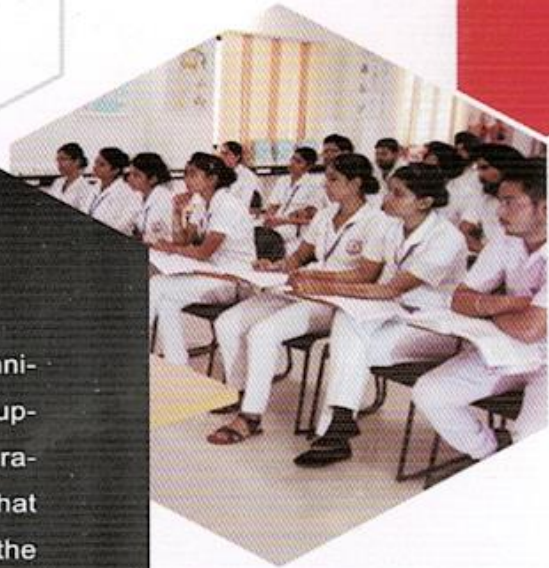
Prospectus
for
Paramedical
Courses

Our Objective

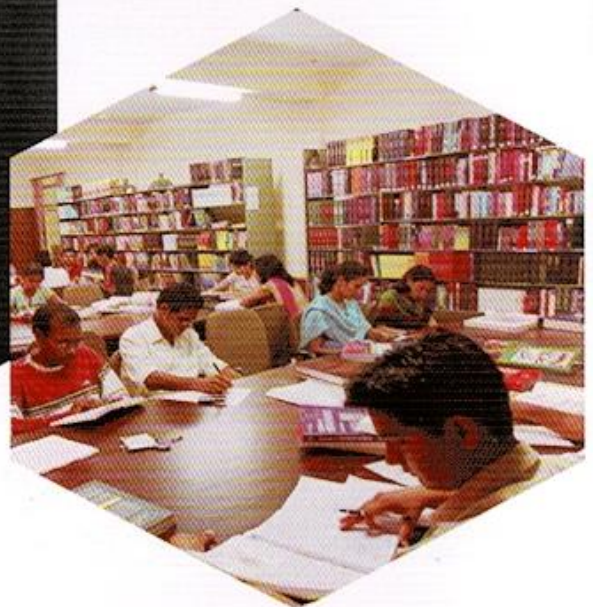
The institute aims to provide trained, qualified, technical personnel in the field of paramedical science to support the medical profession. The objective of the paramedical science education programme is to ensure that educational opportunity for development of skills. The emphasis of the paramedical science education programme is on getting employed in government or in private sector and developing a cadre of small entrepreneurs, especially from amongst girls, women, sc/st and rural youth as well. So, this programme conceived as "Total employment training for total development", focuses on the concept of turning the unskilled to the skilled.

In this respect it is pertinent to note that the society today is the doorstep of a global challenge. As a nation we have gone ahead in many respects. But there are still areas, which demand attention, care and concern. The area identified by our think tank is "Global standards in paramedical education and training".

The area of paramedical science to enable our training programme to meet the global challenge. Our experience and outreach in providing technical education is well accepted. The mix of paramedical education and technology on with the higher learning strategies of the competing world is our focus at present.



Grow Your
Employability manifold



INFRASTRUCTURE

Top class infrastructure plays a prominent role in the success of any educational institute these days. The institute has its own four storey building with covered area of 20,000 sq.ft.

Class Rooms

It includes spacious, well ventilated class rooms. All rooms are equipped with comfortable sitting facilities and as well as adequate teaching aids like black board, display board, seating capacity of each room is sixty students.

Training

During the training the Institute provides complete theoretical and practical training at the Institute itself while a field practical training for six months is provided at various potential hospitals of Patna after completion of his / her second academic year to the selected students only without any charges depending upon the hospital. In case if any charges are to be taken by the hospital for the training, it is to be deposited directly at the hospital or through the Institute separately.

Laboratory

The institute has different laboratories. All these laboratories will be well equipped not only as per I norms but will be of International Standards.

Library

The library is fully air conditioned equipped with over 5000 books. The institute aims to facilitate production & dissemination of knowledge, information, insights & intellectual contribution in all areas of medical education.



Ophthalmic Technology



Duties

collecting information requested by the ophthalmologist, such as medical histories and eye measurements.

Ophthalmology technologists may test a patient's eye pressure, pupil reactions, scope of vision, color vision and muscle movement.

The ophthalmology technologist is also responsible for taking and explaining procedures, treatments and diagnoses to patients.

During surgery, the ophthalmology tech may assist the ophthalmologist by preparing the surgical room and equipment and observing the patient.

Supervising and training other allied ophthalmic personnel.



What do Ophtha. Technologists do

Ophthalmology technologists work with ophthalmologists, medical doctors who specialize in the diagnoses and treatment of eye diseases and disorders. Ophthalmology technologists work in a number of capacities, including assisting during eye surgery and setting up and performing maintenance on equipment. In addition, ophthalmology technologists often perform diagnostic testing, including measuring a patient's vision.

Work Environment

Works in a fast paced, well lit, comfort controlled medical office. Interaction with physicians, staff, public, etc. may be constant and interruptive. High traffic area in a close work environment. Work may be stressful. Potential exposure to communicable diseases, toxic substances, and other conditions common to a practice environment.

Courses On Offer

1. Bachelor of Ophthalmic Technology (B.O.T)
Course Duration:- 4 ½ Years

Eligibility:- A passed in I.Sc. / 10+2 or equivalent examinations with Biology from recognised board is eligible.

Core Course of Study

First Year of B.O.T

1. Anatomy
2. Physiology
3. Pathology
4. a. Micro-Biology
b. Bio-Chemistry
5. Communication Skills (English)
6. Computer Skills

Second Year of B.O.T

1. Ocular Pharmacy & Pharmacology
2. A. Optic Refraction
B. Ophtha. Instruments & Appliances
3. Inv. Ophthalmology & Orthoptic
4. Computer
5. Public Health

Third Year of B.O.T

1. Ocular Manifestation of Systemic Diseases
2. Contact Lens And Ocular Injuries & Emergency
3. Community Ophthalmology, Eye Bank & Low Vision Aids
4. (a) C.S.S.D
(b) Hospital Waste Management

Fourth Year of B.O.T

1. Ocular Diseases (I) & Management
2. Ocular Diseases (II) & Management
& Advance Ocular Appliances
3. O.T. Management
4. Project Work
Ophthalmic Technology



Physiotherapy



Duties

Diagnose patients, dysfunctional movements by watching them stand or walk and by listening to their concerns, among other methods.

Use exercises, stretching maneuvers, hands-on therapy, and equipment to ease patients' pain and to help them increase their ability to move

Evaluate a patient's progress, modifying a treatment plan and trying new treatments as needed

Educate patients and their families about what to expect during recovery from injury and illness and how best to cope with what happens



What do physiotherapists do

Physiotherapists, sometimes referred to as PTs, help people who have injuries or illnesses improve their movement and manage their pain. They are often an important part of rehabilitation and treatment of patients with chronic conditions or injuries. Physical therapists provide care to people of all ages who have functional problems resulting from back and neck injuries; sprains, strains, and fractures; arthritis; amputations; stroke; birth conditions, such as cerebral palsy; injuries related to work and sports; and other condition

Work Environment

The work of physical therapists varies with the type of patients they serve. For example, a patient suffering from loss of mobility due to Parkinson's disease needs different care than an athlete recovering from an injury. Some physical therapists specialize in one type of care, such as pediatrics (treating children) or sports physical therapy.

Courses On Offer

1. Bachelor of Physiotherapy (B.Ph.T)
Course Duration:- 4 ½ Years

2. Diploma in Physiotherapy (D.P.T)
Course Duration:- 3 Years

Eligibility:- A passed in I.Sc. / 10+2 or equivalent examinations with Biology from recognised board is eligible.

Core Course of Study

First (1½ Years) of B.Ph.T

1. Human Anatomy
2. Human Physiology
3. Movement & Biomechanics
4. Pathology
5. Bio-Chemistry & Bio-Physics

Second (1½ Years) of B.Ph.T

1. Medicine
2. Surgery
3. Pharmacology
4. Exercise Therapy
5. Medical Electronics & Electrotherapy
6. General & Social psychology

Final (1 Year) of B.Ph.T

1. Physiotherapy in Medicine
2. Physiotherapy in Surgery
3. Rehabilitation & Therapeutic Mgt.
4. Applied Mathematics & Statistics
5. Psychiatry
6. Orthotic & Prosthetic

First Year of D.P.T

1. Anatomy
2. Physiology (1)
3. Pathology
4. Bio-Chemistry
5. Bio-Mechanics
6. (a) Practical (b) Viva/Voice



Second Year of D.P.T

1. Physiology
2. Exercise Therapy
3. Electro Therapy
4. Medicine
5. Surgery
6. Pharmacology
7. (a) Practical (b) Viva/Voice

Third Year of D.P.T

1. Physiotherapy in Medicine (P.M.T)
2. Physiotherapy in Surgery (P.M.S)
3. Physical Medicine & Rehabilitation (P.M.R)
4. Psychiatry
5. Applied Mathematics & Statistics
6. (a) Practical (b) Viva/Voice





Operation Theatre Technology

Duties

Prepare operating rooms for surgery.

Sterilize equipment and make sure that there are adequate supplies for surgery.

Prepare patients for procedures, including taking a medical history and answering questions about the procedure.

Prepare patients for surgery, such as washing and disinfecting incision sites.

Ensure that patient is positioned securely and safely on the operating table prior to surgery and on the patient trolley at the completion of surgery.

Be familiar with the correct operation of all equipment



What do O.T. Technician do

During an operation, surgical technologists pass instruments and supplies to surgeons and first assistants. Operation theatre assistant also may prepare, care for, and dispose of specimens taken for laboratory analysis. In addition, they apply dressings. After an operation, surgical technologists may help transfer patients to recovery rooms and may clean and restock operating rooms.

Work Environment

Most surgical technologists work in hospitals. Some work in outpatient surgery centers or in offices of physicians or dentists who perform outpatient surgery.

Surgical technologists wear scrubs (special sterile clothing) while they are in the operating room.

They are typically on their feet and work next to others. At times, they may be exposed to communicable diseases and unpleasant sights, odors, and materials

Courses On Offer

1. Bachelor of Operation Theatre Technology (B.O.T.T.)
Course Duration:- 4 ½ Years

2. Diploma in Operation Theatre Assistant (D.O.T.A.)
Course Duration:- 2 Years

Eligibility:- A passed in I.Sc. / 10+2 or equivalent examinations with Biology from recognised board is eligible.

Core Course of Study

First Year of B.O.T.T

1. Anatomy
2. Physiology
3. Pathology
4. a. Micro-Biology
b. Bio-Chemistry
5. Communication Skills (English)
6. Computer Skills

Second Year of B.O.T.T

1. a. Applied pathology
b. Applied Micro-Biology
2. Introduction to O.T. Technology
3. a. General Pharmacology
b. Medicine relevant to O.T. T.
4. Computer
5. Public Health

Third Year of B.O.T.T

1. Medicine
2. O.T. Technology Clinical
3. O.T. Technology Applied
4. a. C.S.S.D.
b. Hospital Waste Management

Fourth Year of B.O.T.T

1. O.T.T. Advance Aneesthesiology
2. O.T.T. Advance Surgery Part 1
3. O.T.T. Advance Surgery Part 2
4. Project Work
Operation Theatre Technology



First Year of D.O.T.A

1. Anatomy
2. Physiology
3. Microbiology
4. A. Practical
B. Viva

Second Year of D.O.T.A

1. General Nursing
2. Medicine
3. Surgery
4. Anaesthetic
5. A. Practical
B. Viva



Radio Imaging



Duties

Adjust and maintain imaging equipment

Precisely follow orders from physicians on what areas of the body to image

Prepare patients for procedures, including taking a medical history and answering questions about the procedure

Protect the patient by shielding exposed areas that do not need to be imaged

Position the patient and the equipment in the location needed to get the correct image

Work with radiologists reading the images to determine whether other images need to be taken



What do physiotherapists do

X-ray technologists, also called radiographers or radiologic technologists, are health professionals who use X-rays and other forms of radiation to produce images of various body parts and activities, such as the movement of blood through a person's heart valves. They then pass these images on to radiologists (doctors who specialize in interpreting X-rays) to screen for, diagnose and treat health conditions such as cancer and broken bones.

Work Environment

An X-ray technician most likely work in the radiology department of a hospital, health clinic or doctor's office. X-ray technician explain the X-ray procedure to patients, set up the equipment for each patient and take the X-rays. X-ray technician know and follow important safety procedures like using a radiation shield to protect himself and the patient.

Courses On Offer

1. Bachelor of Radio Imaging Technology (B.R.I.T.)
Course Duration:- 4 ½ Years

2. Diploma in X-ray Technology (D.M.R)
Course Duration:- 2 Years

Eligibility:- A passed in I.Sc. / 10+2 or equivalent examinations with Biology from recognised board is eligible for admission.

Core Course of Study

First Year of B.R.I.T

1. Anatomy
2. Physiology
3. Pathology
4. a. Micro-Biology
b. Bio-Chemistry
5. Communication Skills (English)
6. Computer Skills

Second Year of B.R.I.T

1. Physics of Radiology & Electronics, Radiation Physics
2. Radiological Instrumentation
3. Radiation Biology & Radiation Protection
4. Computer
5. Public Health

Third Year of B.R.I.T

1. Medicine
2. Dark Room Technique
3. Radiography Technique & Emergency Radiology
4. a. Pharmacology
b. Hospital Waste Management

Fourth Year of B.R.I.T

1. Advance Radio Diagnosis
2. Special Procedure Radiology
3. Nuclear Medicine & Introduction to Radiotherapy
4. Project Work
Radio Imaging Technology



First Year of D.M.R.

1. Applied Anatomy & Physiology
2. Radio Physics Pertaining to Radiology
3. a. Practical
b. Viva

Second Year of D.M.R.

1. Discovery & Production
2. Dark Room Techniques and Requirement
3. a. Practical
b. Viva



Medical Laboratory Technology



Duties

Analyze body fluids such as blood, urine, and tissue samples to determine normal or abnormal findings

Collect and study blood samples for use in transfusions by identifying the number of cells, the cell morphology or the blood group, blood type, and compatibility with other blood types

Operate sophisticated laboratory equipment such as microscopes and cell counters

Use automated equipment and computerized instruments capable of performing a number of tests at the same time

Log data from medical tests and enter results into a patient's medical record



What do M.L. Technician do

Medical laboratory technicians and Technologists collect samples and perform the tests to analyze body fluids, tissue, and other substances. Medical laboratory personnel are trained to work with infectious specimens or medical hazards. When they follow proper methods and protection to control infection and sterilize equipment, few hazards exist. They usually wear protective masks, gloves, and goggles for their safety and protection as well as their patients.

Work Environment

Medical laboratory personnel work in a dynamic and evolving environment, and use a variety of complex instrumentation to produce medical data in a rapid, accurate and precise fashion. Hospitals and private clinical laboratories are the primary work environments for Medical Laboratory Technologists. Other opportunities exist in public health laboratories, research, and educational settings.

Courses On Offer

1. Bachelor in Medical Laboratory Technology (B.M.L.T.)

Course Duration:- 4 ½ Years

2. Diploma in Medical Laboratory Technology (D.M.L.T.)

Course Duration:- 2 Years

Eligibility:- A passed in I.Sc. / 10+2 or equivalent examinations with Biology from recognised board is eligible.

Core Course of Study

First Year of B.M.L.T

1. Anatomy
2. Physiology
3. Pathology
4. a. Micro-Biology
b. Bio-Chemistry
5. Communication Skills (English)
6. Computer Skills

Second Year of B.M.L.T

1. Pathology
2. A. Micro-Biology
B. Advance Pathology
3. Bio-Chemistry
4. Computer
5. Public Health

Third Year of B.M.L.T

1. Medicine
2. a. Micro-Biology
b. Bio-Chemistry
3. General Pathology
4. a. Pharmacology
5. b. Hospital Waste Management

Fourth Year of B.M.L.T

1. Clinical Pathology + Toxicology
2. a. Micro-Biology
b. Bio-Chemistry
3. Lab Management
4. Project Work
Medical Laboratory Technology

First Year of D.M.L.T

1. Anatomy & Physiology
2. Principal of Common Clinico
Biochemical Method
3. Hematology
4. a. Practical
b. Viva

Second Year of D.M.L.T

1. Bacteriology & Virology
2. Serology Mycology
3. Clinical Pathology
4. Histopathology and Animal Care
5. a. Practical
b. Viva



Medical Dresser



Duties

Assessment of Wounds.

Management of Wounds

Cleaning of Wounds.

Closuers of Wounds

Core Course of Study

1. Life Science (Anatomy & Physiology)
2. Dressing, Medical Instruments, Chemical Solution and Sterilization
3. Pharmacology
4. a. Practical
b. Viva



What do Medical Dresser do

Medical dressers apply a number of different dressings and techniques available for managing, healing and /or preventing further damages to the wounds. The majority of wounds handled by them are of acute trauma or surgical wounds. The design dressing in such a way that it remain direct contact with the wound, which makes it different from a bandage, which is primarily used to hold a dressing in place. Dressings are frequently used in first aid and in nursing.

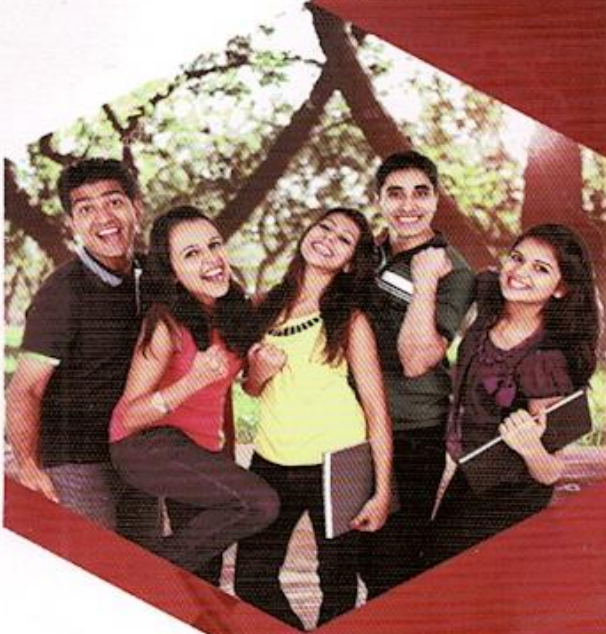
Work Enviornment

In modern society with fast life and livelihood, medical dressing clinics has become matter of essential public requirement at ever road crossing and densely populated habitation.- Medical dressers are the first medical-aid provider as doing very good private and independent practice without having very big infrastructural investment. Along with the above self employment options medical dresser are in great requisition in every medical orgnisation, private medical clinic, nursing home and hospital.

Courses On Offer

1. Certificate in Medical Dressing (C.M.D)
Course Duration:- 1 Years
-

Eligibility:- A passed in Matric or equivalent examinations from recognised board is eligible.



Admission Procedure

- ✓ Buy the prospectus and fill the admission form clearly in block letter.
- ✓ Paste front facing color photo in the form and attach five photo along with form.
- ✓ Attach all your documents related to previous qualifications (attested xerox)
Xth pass marksheet and certificate.
XIIth pass marksheet and certificate.
Migration certificate in original.
other required documents.
- ✓ Submit admission form completed in all respects along with requisite charges at the counter/ admission incharge on any working day.

Our Affiliations

Patna Institute of Nursing & Paramedical Science is Affiliated to Aryabhatta Knowledge University, patna for degree courses and also affiliated with Para Medical/ Para Dental Examination Committee, Govt. of Bihar for diploma courses.

Rules & Regulations

1. Student must follow the norms prescribed for dress both for summer & winter. Apron is mandatory for all students in the campus.
2. An Identity card shall be provided to students and they have to bear it without fail in the campus. Duplicate card shall be issue against payment of Rs. 50/-
3. All students have to fulfill minimum criteria of attendance. Failing which they have to recover the short in attendance by attending institution in vacation.
4. The governing body of the institution reserves the right to expel the student if found behavior subversive of discipline.

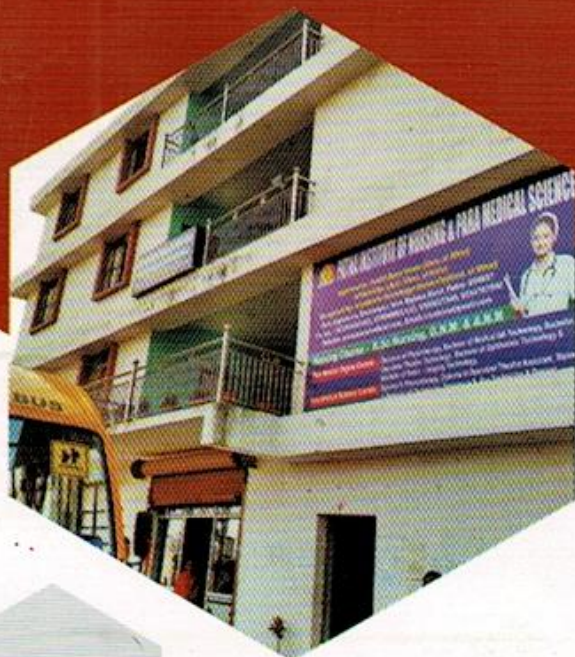
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Patna Institute of Nursing & Paramedical Science

The area of Paramedical Science to enable our training programme to meet the global challenge.

Our experience and outreach in providing technical education is well accepted. The mix of Paramedical Education and Technology on par with the higher learning strategies of the competing world is our focus at present.



बिहार सरकार



आर्यभट्ट ज्ञान विश्वविद्यालय
ARYABHATTA KNOWLEDGE UNIVERSITY



PINPMS

Excellence in Healthcare Education. Every day

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