

Alignment of mission and vision of university with Institute

Aarihant Institute of nursing ,Swarnnim Startup and Innovation University				
	University	Institute	Keywords Alignment	Explain how the institute supports or reflects the university's mission.
Mission	To create budding Entrepreneurs who can compete globally by grooming their innovative and Startup skills	The college of nursing create, develop and enhance a high-quality educational environment which produces leaders in nursing and healthcare that provide thoughtful innovation in healing, teaching and discovery, who are ready to look at the future, learn from past and practice in present with a view to contribute towards a better health care system.	Innovative knowledge Skill development	<ol style="list-style-type: none"> 1. Seminar /webinar 2. Demonstrations 3. Clinical Teaching 4. Simulation-Based Learning
Vision	To be globally competent institution imparting education based upon the foundation of innovation and entrepreneurship.	To promote a high-quality education imparting environment through innovative methods, that ensures overall development of the students by providing equal opportunity, to acquire skills, knowledge and an attitude which enables them to become successful global individuals and lifelong learners in the field of health care system.	Innovation	<ol style="list-style-type: none"> 1. Model Presentation 2. Nutrition Expo 3. Exhibition 4. Role play
Key words				




 Principal
 Aarihant Institute of Nursing
 Bhojan Rathod, Gandhinagar.

Swarnnim Startup and Innovation University
Aarihant Institute of nursing
 Summary of Activities of institution reflects Mission

s.no.	Date	Activity	Topic	Year of students
1.	18-03-25	Seminar/one day awareness programme	“ARE YOUR KIDNEY OK? DETECT EARLY, PROTECT KIDNEY HEALTH”	All semester
2	22/09/23	Seminar	AIDS Prevention	All Semester
3.	Practical hours(Lab)	demonstration	All Practical subjects procedures	All semester
4.	Clinical posting hours (Hospital)	Clinical teaching	Specialty Subjects	All semester
5.	Practical hours(Lab)	Simulation-Based Learning	All Practical subjects procedures	All semester




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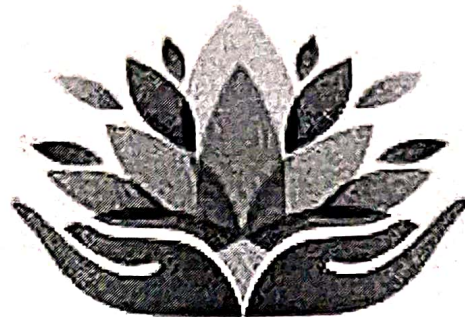
Swarnnim Startup and Innovation University
Aarihant Institute of nursing
Summary of Activities of institution reflects vision

s.no.	Activity	Topic	Year of students
1.	Model Presentation	Digital Hybrid Models(All Anatomical Models)	All semester
2	Nutrition expo	Interactive displays and presentations	2 nd semester
3.	Exhibition	Digital Poster Sessions	All semester
4.	Role play	Practical and awareness topics	All semester




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AARIHANT INSTITUTE OF NURSING



SWARNIM
STARTUP & INNOVATION
UNIVERSITY
WHERE IDEAS COME ALIVE

SEMINAR ON “ARE YOUR KIDNEY OK? DETECT EARLY, PROTECT KIDNEY HEALTH”

[2024-2025]



Media Report

Institute	Arihant institute of nursing		
Department	Nursing		
Activity Type	One day Awareness session		
Date	18/3/2025	Duration	1 day
Semester/year	All Programme	No. of Students	75
Expert details contact	Dr. Nisha Vishwakarma, Ms. Priyanka Dave , Ms. Megha Raval and Ms. Pal Patel		
Faculty Organizer	Ms. Nirmika Acharya, Ms. Pal Patel		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

Introduction

The one-day awareness session was successfully conducted on March 18, 2025, to commemorate World Kidney Day. The event aimed to educate nursing students, healthcare professionals, and the general public about kidney health, early detection of kidney diseases, and preventive measures.

Objectives of the Session

1. To raise awareness about the importance of kidney health.
2. To educate participants on risk factors and preventive strategies for kidney diseases.
3. To provide expert insights into early diagnosis and management of kidney-related ailments.
4. To encourage a healthy lifestyle to prevent chronic kidney diseases (CKD).



Program Schedule

The event followed a structured schedule to ensure maximum engagement and knowledge dissemination.

ONE DAY AWARENESS SESSION: WORLD KIDNEY DAY, MARCH 18, 2025

SESSION THEME: ARE YOUR KIDNEY OK?, Detect early, protect Kidney Health

9:00 to 10:00

INAUGUEAL CEREMONY

TIME	TOPIC	SPEAKER	KEY LEARNING
10:00 TO 11:00	PLENARY SESSION I "Understanding Kidney Diseases & Prevention": Innovations in Nephrology	DR. NISHA VISHWAKARMA Assistant Professor PhD, M.Sc. Nursing: Medical surgical Nursing with Nephrology in Nursing	Kidney Function & Importance – How kidneys regulate waste & fluids. Common Kidney Diseases – CKD, AKI, kidney stones, infections. Risk Factors – Diabetes, high BP, poor diet, dehydration. Early Symptoms – Swelling, fatigue, urine changes, nausea. Prevention Tips – Healthy diet, hydration, exercise, regular check-ups. Management & Treatment – Medications, dialysis, transplant options.
10:00 TO 11:00	PLENARY SESSION I Treatment of Kidney Diseases: Nursing Management, Nutritional Therapy for Kidney Health, Kidney Transplantation	Ms. Priyanka Dave Assistant Professor M.Sc. Nursing: Medical surgical Nursing with Cardiology in Nursing	Nutritional Therapy for Kidney Health – A kidney-friendly diet includes low sodium, controlled protein, limited potassium & phosphorus, and proper hydration. Managing blood sugar and blood pressure through diet is crucial. Kidney Transplantation – The best treatment for end-stage kidney disease. It involves matching donors, transplant surgery, and lifelong immunosuppressive therapy to prevent rejection. Long-term care ensures transplant success.
BREAK			
1:00 TO 1:45	INTERACTIVE SESSION I Nursing Simulation: Acute Kidney Failure (AKI)	MS. MEGHA RAVL Nursing Tutor B.Sc Nursing , AION	<ul style="list-style-type: none"> ✓ Early Recognition of AKI ✓ Key Assessment Findings ✓ Immediate Nursing Interventions ✓ Patient Education & Long-Term Care



2:00 to 2:45	INTERACTIVE SESSION 1 Nursing Simulation: Patient Undergoing Dialysis	MS. PAL PATEL Nursing Tutor B.Sc Nursing , AION	✓ Understanding Dialysis & Indications ✓ Pre-Dialysis Nursing Care ✓ Nursing Interventions During Dialysis ✓ Post-Dialysis Care & Patient Education
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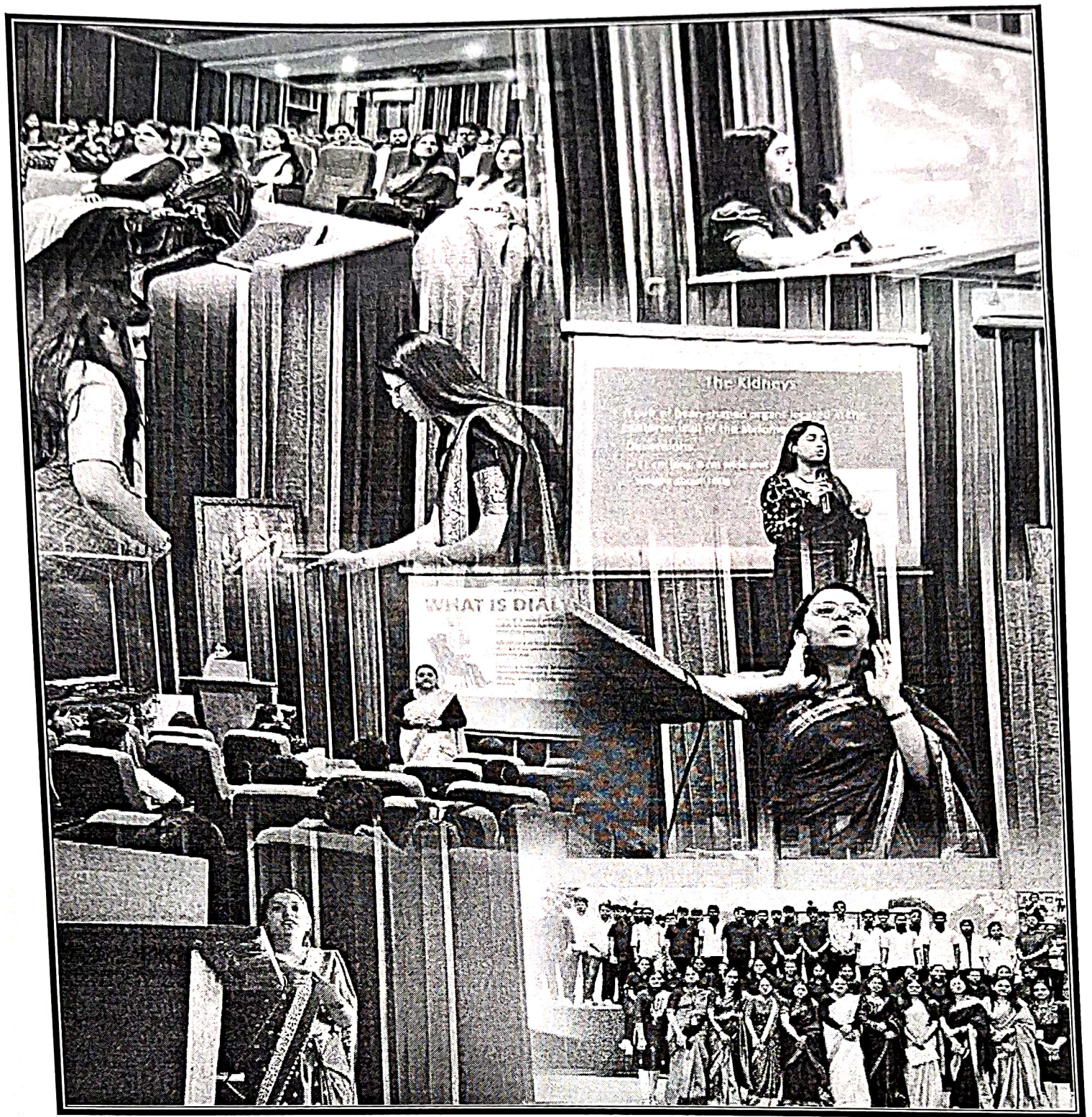
Expert Session Summary

The expert session was conducted by Dr. Nisha Vishwakarma , Ms. Priyanka Dave , who emphasized the increasing burden of kidney diseases worldwide and the role of early intervention. And in addition other discussion session were conducted by Ms. Megha and Ms. Pal Patel.

The session covered:

- Common risk factors such as diabetes, hypertension, and obesity.
- Dietary recommendations for maintaining kidney health.
- Importance of regular check-ups and early detection.
- Interactive Q&A to address participant queries.





Participation & Engagement

The event witnessed active participation from nursing students, faculty members, and healthcare professionals.

Around 75 participants attended the session.



Key Takeaways

- Regular screening can help in early detection of kidney diseases.
- A healthy lifestyle, including proper hydration and balanced nutrition, is crucial for kidney health.
- Awareness programs play a significant role in reducing the global burden of CKD.

Conclusion

The one-day awareness session on World Kidney Day 2025 was highly successful in achieving its objectives. It provided valuable insights and practical knowledge to the attendees, reinforcing the importance of kidney health.

Future sessions and follow-up activities are planned to continue spreading awareness.



SEMINAR ON KIDNEY DAY

18/3/2025

SR.NO	NAME OF STUDENT	PRESENT
1.	AJMERI MUSKANBANU FAKRUDDINBHAI	P
2.	ANSARI RANI IRAFANBHAI	P
3.	CHAUDHARI JORABHAI DUNGRABHAI	P
4.	CHAVDA JAGDISH AALABHAI	P
5.	DAMOR KHUSHBUBEN HARESHKUMAR	P
6.	DAMOR PINALBAHEN NANJIBHAI	P
7.	DHUMDA BHARATKUMAR NARSENGABHAI	P
8.	GOHEL MAYURBHAI JAYANTIBHAI	P
9.	GOHIL MITESHBHAI KANUBHAI	P
10.	GOSAVI ANURAG BHARAT	P
11.	JADAV JUHIBEN ARVINDKUMAR	P
12.	MAHESHWARI AJAYKUMAR KANJIBHAI	P
13.	MAKVANA DEVA DINESH	P
14.	PANDYA HIMATBHAI ANILBHAI	P
15.	PANDYA JANKIBEN AMARATBHAI	P
16.	PANDYA POOJABEN PRATAPBHAI	P
17.	PANDYA UTTAMBHAI AMRATBHAI	P
18.	PARVEYA ASHOK SIDA	P
19.	PARMAR ASHABEN KHUSHALBHAI	P
20.	PARMAR GIRISHBHAI BABABHAI	P
21.	PARMAR HETALBEN RAMANLAL	P
22.	PARMAR MOHITKUMAR NARSIBHAI	P
23.	PRAJAPATI ARATIBEN RAMESHBHAI	P
24.	PRAJAPATI MAHESHKUMAR VIRJIBHAI	P
25.	SENGAL DASHRATHBHAI PARBATBHAI	P
26.	SHAH KINJAL VADILAL	P
27.	THAKUR PANKAJ KUMAR OM PRAKASH	P

28.	VARAN ARVINDKUMAR REVABHAI	P
29.	VARAN PRAKASHBHAI GANPATBHAI	P
30.	VYAS BHAKTI DIPABHAI	P
31.	BHAGORA SHIVANIBEN ADESIH	P
32	BORICHA NEERALIBEN SHAMJIBHAI	P
33	CHARANIYA MINAXI PRAVINBHAI	P
34	CHAUHAN HIMANSHU RAMESHBHAI	P
35	CHAUHAN RONAKKUMAR RAMESHBHAI	P
36	CHAVDA MITTALBEN JASHAVANTBHAI	P
37	CHAVDA POOJABEN DANABHAI	P
38	DALVANIYA BHAVIN PARESHKUMAR	P
39	DALVANIYA MEHULKUMAR KESAVLAL	P
40	DEGADA HINABEN SOMABHAI	P
41	GOSAI MIRABEN ANILPURI	P
42	JADAV JAGRUTI RAMESHBHAI	P
43	JADAV SUHANGIBEN MULJIBHAI	P
44	KANTARIYA KINJALBEN KHODABHAI	P
45	LALPARA MEGHAVEE HARSHVADAN	P
46	MAHESHWARI HARSH THAVAR	P
47	MAKWANA NAMRATA NAROTTAMBHAI	P
48	MAKWANA NIKITA NAROTTAMBHAI	P
49	MARU DAKSHABEN BABUBHAI	P
50	NINAMA KAUSHIKBHAI MAGANBHAI	P
51	NINAMA NIKULKUMAR GORSINGBHAI	P
52	PADAYA PRAFUL BHIKHABHAI	P
53	PARGI ARADHANABEN KIRANBHAI	P
54	PARMAR AYUSHI HARSHADBHAI	P
55	PARMAR BHUMIKA PRAVINBHAI	P
56	PARMAR SIYA KANTIBHAI	P
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58	PATEL JAYDIP DINESHBHAI	P
59	PATEL JAYMINKUMAR LILABHAI	P

60	RATHOD ANJU DEVRAJBHAI	P
61	SARESA KALGIBEN PRAVINBHAI	P
62	SARESA POOJA PRAVINBHAI	P
63	SOLANKI RIDDHI CHANDRAKANT	P
64	THAKOR NISHABEN DEVAJI	P
65	THAKOR VARSHA DASHARATHJI	P
66	VANKAR PRITIBEN HIMANSHUBHAI	P
67	VYAS AYUSHI DIPAKKUMAR	P
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75	NINAMA NIKULKUMAR GORSINGBHAI	P



INDIA'S FIRST UNIVERSITY FOR STARTUP

Swarnnim Startup & Innovation University Activity Report 2022-2023

Department	Nursing
Activity	SEMINAR ON "AIDS PREVENTION" BY DR. HEMANT TIWARI SIR
Date	22/09/2023
Duration	9:00 to 11:00 AM
Semester	ALL SEMESTER
Expert Details	Prof.Amit Vyas, Principal Master in Community Health Nursing
Faculty Coordinator Details (Name, Designation, Contact Details)	Ms. PARUL MAKWANA lecturer 9106007470
Numbers of Participants	100 Students Participated



Summary:

Our institute organized Seminar on "AIDS PREVENTION" BY DR. HEMANT TIWARI SIR, who is very dedicated member and motivational personality and help all semster in order to give boost up to the students to achive their goals and dreams.

Objective of the event:

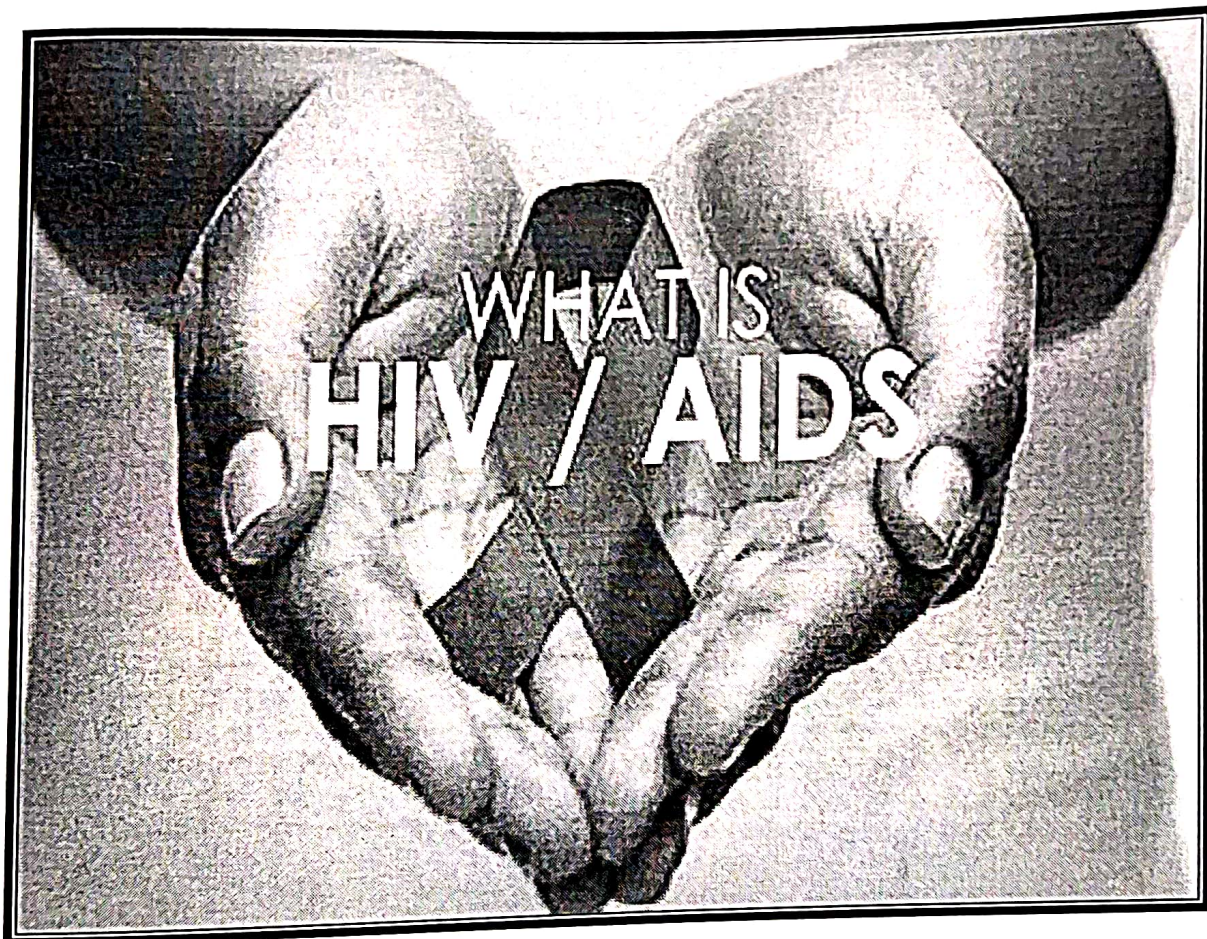
- To Aware student regarding career development
- To improve Knowledge Regarding "AIDS PREVENTION"

Significance/Outcome:

Through this program the students Get Motivate to achive their goal and get success in life

Conclusion:

Nursing student need to impove attitute towards their work.



AIDS PREVENTION

22/9/2023

SR.NO	NAME OF STUDENT	PRESENT
1.		P
2.	CHRISTIAN SWENI VINODRAI	P
3.	BAROT REETUBAHEN RAMESHBHAI	P
4.	KHATA JAYVANTIKABEN MOHANSING	P
5.	KANG KULVINDER KAUR GAJENDERSINGH	P
6.	PANDYA DHYANA RAJNIKANT	P
7.	BAJAT PRIRYABEN SHANKARBHAI	P
8.	BHAT BHAVYA RAJNISH	P
9.	RATHOD JIGNABEN PREMJBHAI	P
10.	DAFDA KOMAL RAMESHBHAI	P
11.	PATIL SHWETABEN SHIVAJI	P
12.	SOLANKI PRIYANKABEN BHIKHABHAI	P
13.	RAO RAVINA JORAVARSINGH	P
14.	BHAVSAR AYUSHI ALPESHKUMAR	P
15.	PANSARA HAPPY ASHOKBHAI	P
16.	PARMAR MAHIMA PRAVINBHAI	P
17.	SADAT JASHATEENKUMAR ASHIRVADBHAI	P
18.	PRETTY ANGELINA PREMKUMAR	P
19.	DAVE YASHKUMAR BHARATBHAI	P
20.	VAGHELA DHARMISTABEN DINESHBHAI	P
21.	PATEL PRIYABEN LALITKUMAR	P
22.	BHAGORA SHIVANIBEN ADESIH	P
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58.	ZALA MITRAJSINH HETUBHA	P
59.	MARU DAKSHABEN BABUBHAI	P

60	PATEL RITU KANAIALAL	P
61	YADAV JYOTI SANJAYSINGH	P
62	PANCHAL SRUSHTI HITESHBHAI	P
63	MANJHI PRINCE KUMAR KISHNATH MANJHI	P
64	PRAJAPATI SUREKHABEN MANUBHAI	P
65	SOLANKI SEJAL AMRUTBHAI	P
66	CHAUHAN BHUMI HASMUKHBHAI	P
67	PANDYA KISHAN	P
68	DERIYA HARSHKUMAR JASVANTBHAI	P
69	ROHIT AKSHAY NATVARBHAI	P
70	KUMARI NISHEE BIRENDRA	P
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75	PATEL KUNAL ASHOK PRASAD	P
76	RANA MAYURKUMAR RAMESHBHAI	P
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84	RANA MAYURKUMAR RAMESHBHAI	P
85	MARU DAKSHABEN BABUBHAI	P
86	AMALIYAR VANRAJKUMAR SIKANDARBHAI	P
87	SUMIT KUMAR	P
88	NANSI SONI HARESHBHAI	P
89	VYAS YASVI HIMANSHUKUMAR	P
90	SATHVARE MISHWA	P
91	PANCHASARA RAVIRAJ VIJAYKUMAR	P

92		P
93	PRAJAPATI VIRAL GULZAR	P
94	PATEL VRUTTI VIPULKUMAR	P
95	GOSWAMI ANJALI MAHESHPURI	P
96	SHUBHAM KUMAR	P
97	MEHTA RAVILUMAR NITALKUMAR	P
98	JOSHI RAKSHIT HITESHKIMAR	P
99	CHAUHAN SATYJITSINGH RAJENDRAKUMAR	P
100	THAKOR PRANJAL KANUBHAI	P
	PATEL MAHI SAMIRBHAI	P

C. DEMONSTRATIONS

Demonstrations involve showcasing a skill or procedure, followed by student practice and feedback.

1. Flipped Classroom Model

- **Implementation:** Instructors provide lecture materials (videos, readings) for students to review at home. Class time is then dedicated to discussion, case studies, and hands-on practice.
- **Benefits:** This approach encourages active participation during class and allows students to learn at their own pace.

2. Simulation-Based Learning

- **Implementation:** Use high-fidelity simulation labs where students can practice clinical skills and decision-making in a safe environment. Scenarios can be adjusted based on student performance.
- **Benefits:** Simulations provide realistic scenarios that enhance critical thinking, teamwork, and application of knowledge in clinical settings.

3. Case-Based Learning

- **Implementation:** Present students with real-world clinical cases to analyze and solve in small groups. This can include patient histories, lab results, and treatment plans.
- **Benefits:** Encourages critical thinking, collaboration, and application of theoretical knowledge to practical situations.

4. Problem-Based Learning (PBL)

- **Implementation:** Students work in groups to solve complex, real-world problems, integrating knowledge from various subjects (e.g., anatomy, pharmacology, ethics).
- **Benefits:** Promotes self-directed learning, critical thinking, and teamwork skills.

5. Interprofessional Education (IPE)

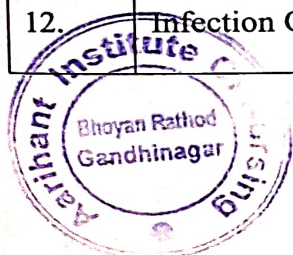
- **Implementation:** Engage nursing students with students from other health professions (e.g., pharmacy, medicine, social work) in collaborative learning experiences.
- **Benefits:** Fosters understanding of teamwork, communication, and roles in healthcare settings, preparing students for real-world collaboration.



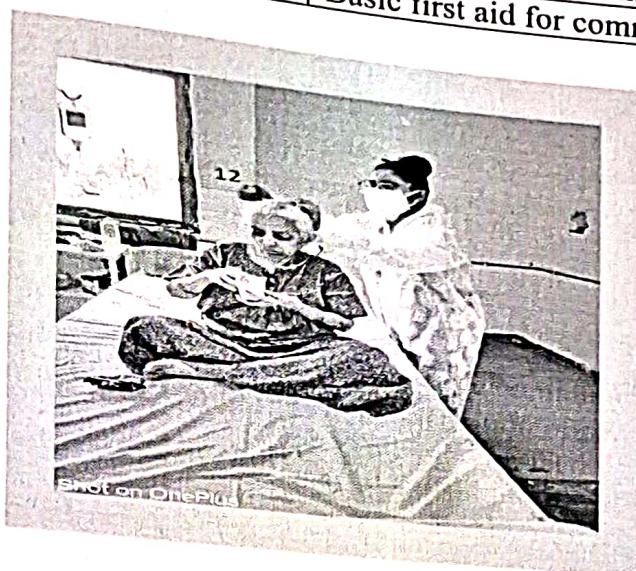
LIST OF DEMONSTRATION

In a Bachelor of Science in Nursing (B.Sc. Nursing) & P.B. B.Sc. Nursing program, students are typically required to learn and demonstrate a range of nursing procedures that are fundamental to patient care. The following is a list of common nursing procedures that may be included in the syllabus of Nursing program for demonstration purposes:

SR.NO	SUBJECT	PROCEDURE
1.	Hand Hygiene Techniques	Proper handwashing techniques using soap and water Use of alcohol-based hand sanitizers
2.	Patient Assessment	Vital signs measurement (temperature, pulse, respiration, blood pressure) Head-to-toe physical assessment
3.	Medication Administration	Assessment of pain using various pain scales Oral medication administration (tablets, liquids) Administration of intramuscular (IM), subcutaneous (SC), and intravenous (IV) injections Documentation of medication administration
4.	Wound Care Procedures	Cleaning and dressing of various types of wounds Application of sterile dressings Management of specific wound types (e.g., pressure ulcers)
5.	Insertion and Management of Catheters	Urinary catheter insertion and care (foley catheter) External catheter (condom catheter) application
6.	Basic Life Support (BLS)	Cardiopulmonary resuscitation (CPR) techniques for adults, children, and infants Use of an Automated External Defibrillator (AED)
7.	Nasogastric (NG) Tube Insertion and Care	Insertion of a nasogastric tube Feeding through an NG tube and care of the tube
8.	Oxygen Therapy Procedures	Administration of oxygen via nasal cannula, face mask, and non-rebreather mask Monitoring oxygen saturation using pulse oximetry
9.	Suctioning Techniques	Oral suctioning Tracheal suctioning (for tracheostomy care)
10.	Patient Positioning and Mobility	Safe patient transfer techniques (using gait belts, slide sheets) Positioning patients for comfort and prevention of pressure ulcers Assisting with ambulation (use of walkers, crutches)
11.	Enema Administration	Types of enemas (cleansing, retention) Procedure for administering an enema safely
12.	Infection Control Procedures	Application of personal protective equipment (PPE) and isolation techniques Disinfection and sterilization practices



13.	Communication Skills	Therapeutic communication techniques
14.	Nutritional Procedures	Documentation of patient care and reporting
	Support	Assisting with feeding (oral and enteral feeding)
15.	Emergency Procedures	Understanding dietary modifications for specific conditions
		Management of choking (Heimlich maneuver)
		Basic first aid for common injuries



Patient Assessment : Head-To-Toe Physical Assessment



Back Care: Management of specific wound types (e.g., pressure ulcers)



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D. CLINICAL TEACHING

Clinical teaching involves direct instruction and supervision of students in real clinical settings.

1. Simulation-Based Learning (SBL)

- **High-Fidelity Simulations:** Utilize advanced mannequins that mimic real physiological responses to provide realistic clinical experiences. This encourages critical thinking and decision-making in a safe environment.
- **Standardized Patients:** Employ trained actors to simulate patient interactions, allowing students to practice communication and assessment skills.

2. Flipped Classroom Model

- Have students review theoretical content before class (e.g., through video lectures or readings) and use class time for hands-on skills practice, discussions, or simulations. This approach encourages active participation and self-directed learning.

3. Clinical Rotations with Reflection

- Incorporate guided reflective practice after each clinical rotation. Encourage students to document their experiences, feelings, and learning outcomes to foster critical thinking and self-awareness.

4. Problem-Based Learning (PBL)

- Use real-world scenarios to teach clinical reasoning and problem-solving. Present cases that require students to research, collaborate, and develop care plans, promoting critical thinking and collaboration.

5. Integrated Technology

- **Mobile Learning Applications:** Use apps for case studies, quizzes, and skill practice, allowing students to engage with content at their convenience.
- **Telehealth Simulations:** Teach remote patient care skills through telehealth technologies, preparing students for modern healthcare practices.

6. Interprofessional Education (IPE)

- Involve nursing students in collaborative learning experiences with students from other healthcare disciplines. This promotes teamwork and communication skills necessary for effective patient care.

7. Participatory Action Research



- Encourage students to participate in research initiatives that address real clinical challenges or quality improvement projects within healthcare settings. This allows for hands-on experience while contributing to practice changes.



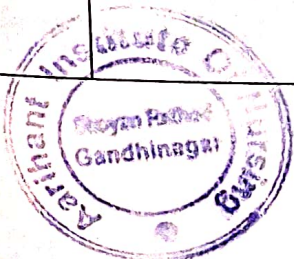
Critical Care Nursing: Assessment and management of critically ill patients



LIST OF CLINICAL TEACHING

By focusing on these specialty areas and topics, hospital-based clinical teaching can effectively prepare student nurses to deliver high-quality patient care while enhancing their clinical competencies and confidence in a real-world environment.

SR. NO.	SUBJECT	TOPIC
1.	Medical-Surgical Nursing	Patient assessment and care for various medical and surgical conditions
		Post-operative care, including monitoring for complications
		Fluid and electrolyte management
		Pain management strategies
2.	Critical Care Nursing	Assessment and management of critically ill patients
		Monitoring vital signs and hemodynamic parameters
		Advanced airway management and ventilator support
		Understanding and responding to cardiac emergencies (e.g., arrhythmias, shock)
3.	Pediatric Nursing	Growth and developmental assessments in children
		Pediatric medication administration and dosage calculations
		Management of common pediatric illnesses and emergency care
		Family-centered care practices in a pediatric setting
4.	Obstetric Nursing	Antenatal, intranatal, and postnatal assessments
		Care for laboring women and participating in delivery
		Newborn assessment and neonatal care (including APGAR scoring)
		Education on breastfeeding and maternal health
5.	Psychiatric/Mental Health Nursing	Conducting mental health assessments and screenings
		Therapeutic communication techniques for mental health patients
		Crisis intervention and de-escalation strategies
		Understanding psychotropic medications and their nursing implications
6.	Geriatric Nursing	Comprehensive geriatric assessments
		Managing chronic diseases in older adults
		Understanding polypharmacy and medication management in elderly patients
		Assessing for signs of elder abuse and neglect
7.	Emergency Nursing	Triage principles and emergency response procedures
		Basic and advanced life support techniques
		Rapid assessment and management of trauma patients
		Emergency drug administration and understanding protocols



8.	Infection Control and Prevention	Implementing standard and transmission-based precautions Understanding hospital-acquired infections (HAIs) and their prevention Proper use of personal protective equipment (PPE)
9.	Wound Care Management	Techniques for effective hand hygiene Assessment of wound healing and complications Techniques for dressing changes and wound debridement Application of advanced wound care products and therapies
10.	Rehabilitation Nursing	Education on wound care for patients and families Principles of physical rehabilitation and mobility assistance Care coordination for patients with disabilities or post-surgery
11.	Patient Education and Counseling	Patient and family education on rehabilitation processes Techniques for effective patient and family education Development of educational materials for patients
12.	Interprofessional Collaboration	Assessing learning needs and readiness to learn Working with other healthcare professionals in a hospital setting Understanding the roles and responsibilities of different team members Engaging in case discussions and collaborative decision-making



Interprofessional Collaboration: Understanding the roles and responsibilities of different team members

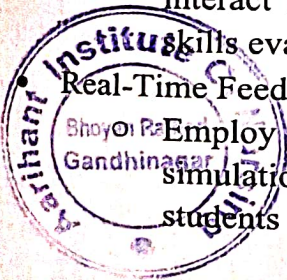


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B.SIMULATION-BASED LEARNING

INNOVATIONS IN SIMULATION-BASED LEARNING

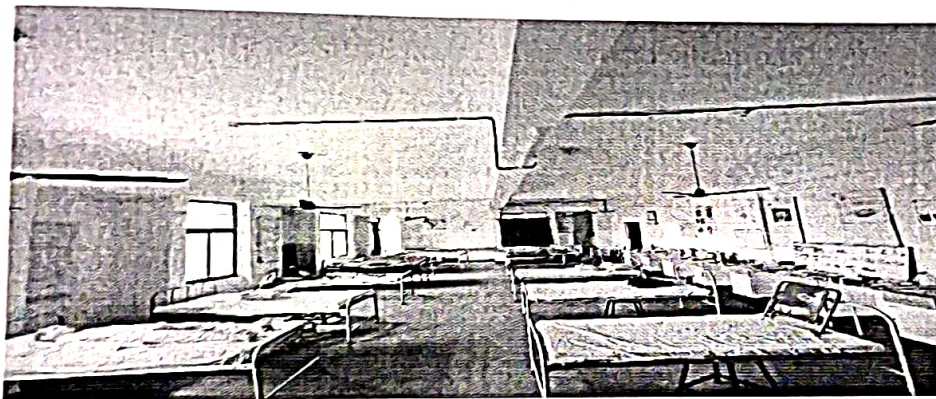
- **High-Fidelity Simulators:**
 - Utilize advanced high-fidelity mannequins that can replicate physiological responses, such as heart sounds, breath sounds, and even vital sign changes. These simulators can mimic a wide range of clinical conditions, allowing students to practice critical thinking and decision-making skills in realistic scenarios.
- **Standardized Patients:**
 - Incorporate standardized patients (actors trained to portray real patients) into simulations. This approach adds an element of realism and helps students practice their communication and interpersonal skills, essential for effective nursing care.
- **Virtual Reality (VR) and Augmented Reality (AR):**
 - Integrate VR and AR technologies to enhance learning experiences. VR offers immersive environments where students can practice procedures or interact with virtual patients, while AR can overlay digital information onto physical spaces, facilitating skills practice with added context.
- **Simulated Interprofessional Education (IPE):**
 - Create simulation scenarios that involve students from other healthcare disciplines (e.g., pharmacy, physical therapy, social work). This promotes teamwork and communication skills across professions, preparing nursing students for collaborative practice in real-world settings.
- **De-briefing Innovations:**
 - Implement advanced de-briefing techniques, including video recordings of simulation sessions that students can review for self-assessment and reflection. Utilize structured de-briefing models (e.g., the Debriefing with Good Judgment model) to foster critical thinking and learning.
- **Scenario-Based Learning Pathways:**
 - Develop comprehensive simulation pathways where students progress through a series of scenarios that build on each other, gradually increasing in complexity. This can help reinforce concepts and skills over time while assessing competence at different levels.
- **Mobile and Digital Learning Integration:**
 - Use mobile applications to simulate clinical scenarios, allowing students to interact and learn from anywhere. These can include case studies, quizzes, and skills evaluations that students access on their devices.
- **Real-Time Feedback Mechanisms:**
 - Employ technology that allows instructors to provide real-time feedback during simulations, such as wearable devices that track physiological data or apps that students can use to receive instant annotations from educators.



- **Customized Learning Experiences:**
 - Allow students to customize their simulation experiences based on their interests or specific learning needs. This can involve selecting particular scenarios or roles within a team, fostering a sense of ownership over their learning.
- **Cultural Competence Simulations:**
 - Design simulations that focus on cultural competence, allowing students to navigate care scenarios involving diverse populations. This prepares students to provide culturally sensitive care in real-world situations.



Community Health Nursing Laboratory



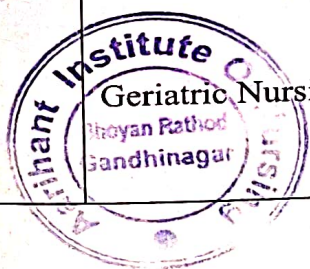
Fundamental Of Nursing Laboratory



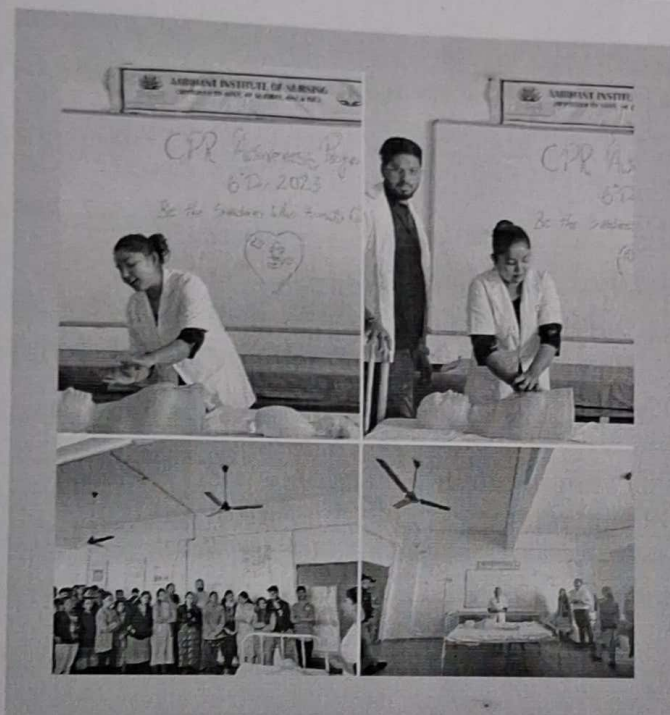
LIST OF SIMULATION-BASED LEARNING

A Bachelor of Science in Nursing (B.Sc. Nursing) & P.B. B.Sc. Nursing syllabus typically includes a variety of Simulation-Based Learning (SBL) components aimed at preparing students for real-world clinical situations. The specific content and organization can vary by institution, but here's a common outline of topics and simulations that might be included in an SBL approach within Nursing program:

SR.NO	SUBJECT	TOPIC
1.	Fundamentals of Nursing Skills:	Basic patient care (bathing, grooming, feeding)
		Vital signs assessment (temperature, pulse, respiration, blood pressure)
		Infection control techniques (hand hygiene, use of PPE)
		Medication administration (oral, IM, IV simulations)
2.	Medical-Surgical Nursing:	Management of patients with chronic and acute illnesses
		Post-operative care simulation
		Simulation of managing complications (e.g., hemorrhage, shock)
		Case scenarios involving medical emergencies (e.g., cardiac arrest, stroke)
3.	Pediatric Nursing:	Growth and development assessment simulations
		Symptom management in children (fever, dehydration)
		Simulation of pediatric emergencies (e.g., asthma attack, choking)
		Family-centered care approaches in pediatrics
4.	Maternal and Child Health Nursing:	Antenatal and postnatal care simulations
		Labor and delivery process (birthing scenarios with mannequins)
		Newborn assessments and neonatal care
		Simulation of high-risk obstetric situations (e.g., preeclampsia, hemorrhage)
5.	Mental Health Nursing:	Simulating therapeutic communication techniques with patients with mental illness
		Crisis intervention simulations (e.g., suicidal patient, aggressive behavior)
		Role-play scenarios involving counseling and mental health assessments
		Understanding cultural and ethical issues in mental health care
6.	Geriatric Nursing:	Simulations focused on common geriatric health concerns (dementia care, mobility issues)
		Assessment and management of chronic conditions in older adults
		Palliative care and end-of-life scenarios
		Family dynamics and communication with older patients



7.	Pharmacology and Medication Administration:	Simulated drug calculation and administration practice Scenarios that involve adverse drug reactions or medication errors
8.	Emergency Critical Care:	Teaching patients about medications and adherence strategies CPR and Basic Life Support (BLS) simulations Advanced Cardiac Life Support (ACLS) scenarios Trauma assessment and management simulations
9.	Professional Nursing Practice:	Simulation of a multi-casualty incident (mass casualty scenario) Ethical dilemmas in patient care Simulation of interprofessional collaboration in healthcare teams Simulation of patient education and health promotion strategies Documentation and reporting in clinical settings through simulated electronic health records (EHR)
10.	Community Health Nursing:	Simulations involving home visits and community assessments Interventions for public health emergencies (e.g., disease outbreaks) Simulation of health education sessions for community groups



CPR and Basic Life Support (BLS) simulations



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A. MODEL PRESENTATIONS

Innovative teaching in Model Presentations

- Digital Hybrid Models:
 - Employ hybrid models that combine physical artifacts with digital components (e.g., QR codes linking to instructional videos).
 - Use 3D printing to create custom anatomical models that reflect diverse patient populations or unique anatomical variations.
- Student-Centered Learning Approaches:
 - Encourage students to select topics for model presentations based on their interests, fostering ownership of their learning.
 - Facilitate opportunities for interdisciplinary presentations, where nursing students collaborate with students from other health disciplines to present holistic care models.
- Flipped Classroom Model:
 - Implement a flipped classroom approach where students review model-related materials at home and then engage in interactive presentations and discussions during class time.
 - Create pre-recorded presentations or video tutorials for students to study at their own pace before attending hands-on sessions.
- Integration of Evidence-Based Practice:
 - Incorporate recent research findings related to anatomy and nursing interventions into model presentations, emphasizing the importance of evidence-based practice.
 - Encourage students to critically evaluate new practices or innovations in patient care related to the anatomical models being discussed.



LIST OF MODEL PRESENTATION


In Bachelor of Science in Nursing (B.Sc. Nursing) program and post basic B.Sc. Nursing program, various anatomical models are often used to enhance the understanding of human anatomy and physiology. Here's a list of common anatomical models that may be included in the teaching resources for first-year nursing students:

SR. NO.	ANATOMICAL MODEL	USE
1.	Human Skeleton Model	Full skeleton models or partial skeletons (e.g., axial and appendicular skeletons) to study bone structure and joint articulations.
2.	Muscle Model	Models of skeletal muscles including labeled muscles that show origin, insertion, and function.
3.	Heart Model	Anatomical models of the human heart that show internal structures like chambers (atria and ventricles), valves, and major blood vessels.
4.	Lung Model	Models illustrating the structure of the human lungs, including bronchial tree and alveoli, often with removable parts to demonstrate different components.
5.	Digestive System Model	Models of the human gastrointestinal tract that detail the major organs involved in digestion, from the mouth to the anus, often with labeled parts.
6.	Kidney Model	Anatomical models of the kidneys that demonstrate the structure of the nephron and urine formation processes.
7.	Female Reproductive System Model	Detailed models showing the internal and external structures of the female reproductive system, including the uterus, ovaries, fallopian tubes, and vagina.
8.	Male Reproductive System Model	Models demonstrating the anatomy of the male reproductive system, including the testes, prostate gland, and reproductive ducts.
9.	Nervous System Model	Models illustrating the central nervous system (brain and spinal cord) and peripheral nervous system components with labeled parts.
10.	Circulatory System Model	Models depicting the human circulatory system, highlighting arteries, veins, and capillaries, as well as circulation pathways.



	Ear and Eye Models	Models that show the anatomy of the human ear (external, middle, and inner) and the human eye to explain sensory physiology.
12.	Skin and Anatomical Layers Models	Models of human skin showing the various layers (epidermis, dermis, subcutaneous tissue) and associated structures like hair follicles and glands.




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F. NUTRITION EXPO

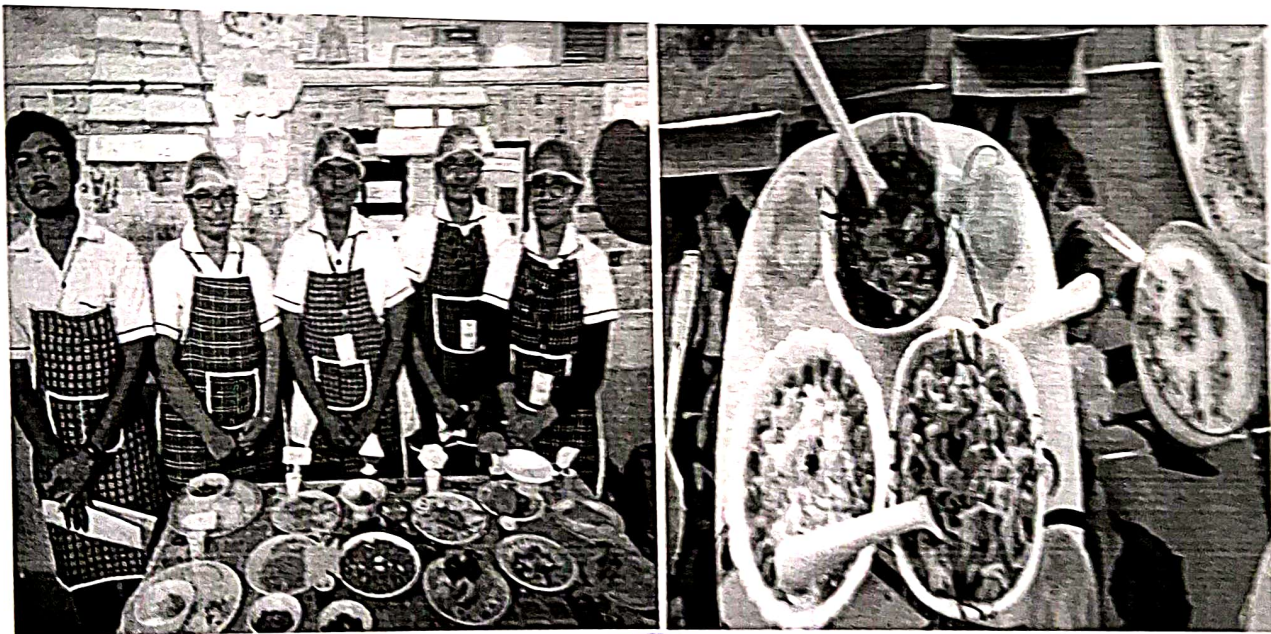
A nutrition expo is an event where students showcase their knowledge and understanding of nutrition principles through interactive displays and presentations.

Best Practices:

- Encourage creative and engaging presentations.
- Involve community partners to increase reach and impact.
- Provide opportunities for students to educate the public about healthy eating.

Innovation:

- Virtual Nutrition Expo: Host a virtual expo where students present their work through online platforms, reaching a global audience.
- Interactive Nutrition Apps: Develop apps that provide personalized nutrition advice based on user input and promote healthy eating habits.
- Example: Students create booths with interactive displays on topics such as dietary guidelines, food labeling, and the role of nutrition in disease prevention, offering information and samples to attendees.



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LIST OF NUTRITIONAL EXPO

SR NO	NAME OF MODEL PRESENTATION
1	SOUP
2	BALANCE DIET
3	DIABETIC DIET
4	HYPERTENSIVE DIET
5	LACTATE DIET FOR ANTENATAL MOTHER
6	WINNING DIET



G. EXHIBITION IN NURSING

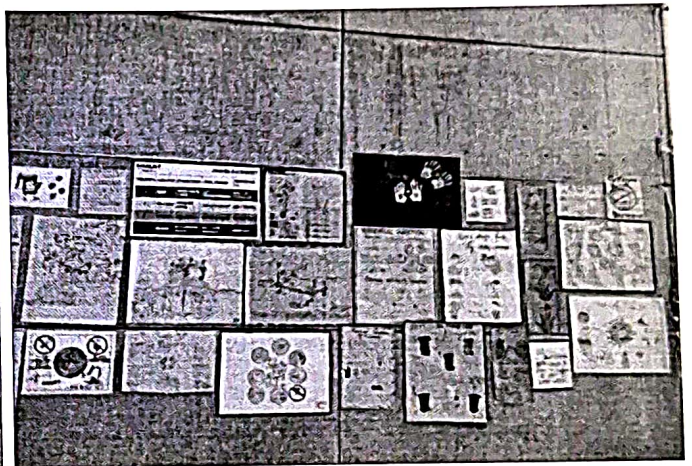
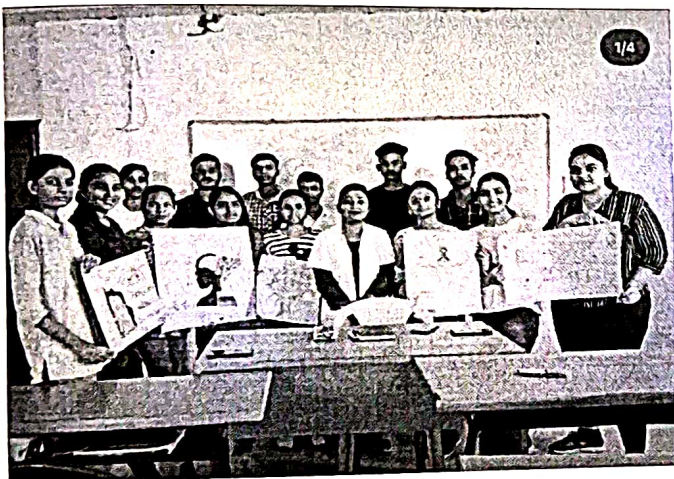
Exhibitions in nursing involve showcasing student projects, research, and innovations in a public forum.

Best Practices:

- Provide clear guidelines for project development and presentation.
- Encourage collaboration with faculty and other experts.
- Offer awards and recognition to outstanding projects.

Innovation:

- Digital Poster Sessions: Use digital platforms to host poster sessions, allowing students to present their research findings online.
- Virtual Reality Exhibition Spaces: Create VR environments where students can showcase their projects in an immersive and interactive way.
- Example: Students present their research on innovative nursing interventions, quality improvement projects, and evidence-based practice initiatives at a nursing conference, using posters, presentations, and demonstrations.



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LIST OF EXHIBITION

SR NO	NAME OF MODEL PRESENTATION
1	POSTER EXHIBITITON
2	A.V AID EXHIBITION
3	MODEL EXHIBITION
4	HEATH AWARENESS
5	HEALTH DAY WARENESS



E. ROLE PLAY

Role-play involves students acting out scenarios to explore different perspectives and practice communication skills.

Best Practices:

- Provide clear roles and сценарии.
- Encourage reflection and discussion after the activity.
- Use video recording for self-assessment.

Innovation (2019-2025):

- Virtual Role-Play: Use virtual environments for role-playing scenarios, allowing students to interact with AI-driven characters.
- Interprofessional Role-Play: Simulate interactions between nurses, doctors, and other healthcare professionals to improve teamwork.
- Example: Students role-play a difficult conversation with a patient about end-of-life care, focusing on empathy, communication, and ethical considerations.



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LIST OF ROLE PLAY

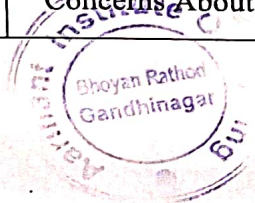
SR NO	NAME OF MODEL PRESENTATION
1	SOCIAL AWARENESS
2	FAMILY PLANNING
3	DEADDICTITION NAWARENESS
4	PREVENTION OF COVID
5	HANDWASH



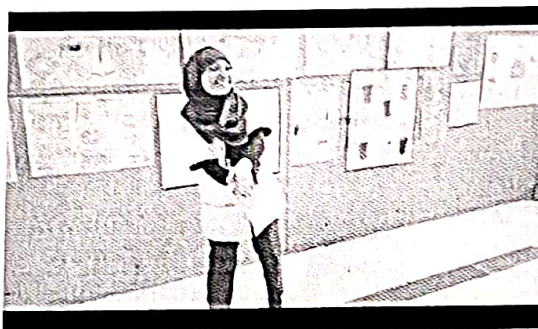
LIST OF ROLE PLAYS

Role play is an effective teaching strategy in nursing education that allows students to practice and enhance their clinical skills, communication, and decision-making abilities in a safe and controlled environment. By simulating realistic patient-care scenarios, students can engage with the material more deeply and apply theoretical knowledge in practical situations. Below are some guidelines for implementing role play in clinical teaching, along with example scenarios relevant to nursing education.

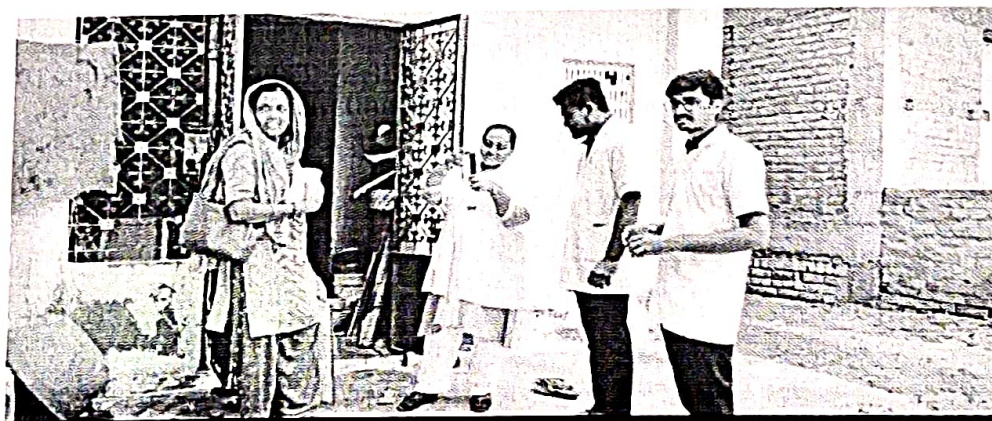
SR. NO	TOPIC	SENARIO
1.	Patient Admission Process	A nurse admits a new patient to the hospital. The student practices gathering patient history, discussing medications, and explaining the admission process.
2.	Vital Signs Assessment	A student role-plays as a nurse who must take vital signs of a patient and explain the significance of each measurement to the patient.
3.	Pain Management Conversation	A nurse discusses pain management options with a patient who has just undergone surgery. The patient expresses concerns and fears about pain medication.
4.	End-of-Life Conversations	A nurse has a difficult conversation with a patient and their family about end-of-life care options and advanced directives.
5.	Discharge Planning	A nurse plans the discharge of a patient with chronic illness, discussing follow-up care, medications, and lifestyle modifications with the patient.
6.	Medication Administration	A nurse prepares to administer medication to a patient, verifying the medication, explaining the procedure, and monitoring for reactions.
7.	Managing Patient Anxiety	A nurse comforts a patient who is anxious about an upcoming procedure, employing therapeutic communication techniques.
8.	Cultural Sensitivity in Care	A nurse encounters a patient from a different cultural background and must navigate cultural beliefs and practices while providing care.
9.	Nurse-Physician Collaboration	A nurse communicates a change in a patient's condition to a physician, advocating for necessary interventions.
10.	Handling a Code Blue	A nurse responds to a Code Blue situation, practicing CPR and using an AED while managing team dynamics.
11.	Family Education on Disease Management	A nurse educates a family about managing diabetes at home, discussing diet, insulin administration, and monitoring blood sugar levels.
12.	Intravenous (IV) Therapy Administration	A student role-plays inserting an IV and explaining the process to the patient, including potential complications and care.
13.	Addressing Patient Concerns About	A patient expresses hesitation about a recommended treatment plan; the nurse must address concerns and provide education.



	Treatment	
14.	De-escalation Techniques in Handling Aggressive Patients	A nurse interacts with an agitated patient, utilizing de-escalation techniques to diffuse the situation while maintaining safety.
15.	Providing Palliative Care	A nurse discusses palliative care options with a patient suffering from a terminal illness and addresses pain management and emotional support.
16.	Support for Patients with Mental Health Issues	A nurse interacts with a patient showing signs of depression, conducting an assessment and discussing available resources and support.
17.	Nursing Handover	Two nurses practice effective handover communication during shift changes, ensuring continuity of care and patient safety
18.	Role Play in Infection Control	A nurse explains the importance of hand hygiene and infection control measures to a patient in a clinical setting.
19.	Postoperative Care Instructions	A nurse provides postoperative care instructions to a patient recovering from surgery, discussing pain management, wound care, and activity restrictions.
20.	Emergency Response to Allergic Reaction	A nurse responds to a patient experiencing an allergic reaction, demonstrating the appropriate steps for assessment and intervention.



Role Play in Infection Control



Family Education on Disease Management: A nurse educates a family about managing diabetes at home, discussing diet, insulin administration, and monitoring blood sugar levels.



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