



ADICHUNCHANAGIRI COLLEGE OF NURSING



VALUE ADDED COURSES

2021-2022

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|| jai इले ड्रपल्पवेहर ||





'सा विद्या या विमुक्तये' | "sā vidyā yā vimuktaye"

Knowledge or Vidya gives Power, Pleasure & Honor.

Both Science and Spirituality enrich us with knowledge, which is superior & lead us to liberation.

Liberation from Physical, Mental & External Bonds is attained through the control of external nature with the help of science; while liberation from Internal Bonds is attained through Ethics and Religion.

Sã vidyã yã vimuktaye that which liberates is knowledge

Overview of ACU

The University is situated in a Lush Green Unitary Campus of 67 acres at B.G. Nagara, Nagamangala Tq., Mandya District, Karnataka on the Bangalore – Mangalore National Highway No. 75, [105 Kms from Bangalore, the Capital City of Karnataka].

The University consists of Nine Constituent colleges in the disciplines of Medicine, Pharmacy, Nursing, Engineering, Management, Commerce and Education. The environment-friendly campus has adequate infrastructure and physical facilities for Academics and Research. The campus possesses around 5000+ students, 400+ teachers and 1800+ support staff.

The University employs a broad range of strategies to achieve its Vision, Mission and Objectives to expand the horizon of World Knowledge, provide instruction, Teaching-Learning, Training, Research and Development at the level of Higher Education in the faculties of Health Sciences, Engineering and Technology, Management and Technology, Humanities & Social Sciences and other Emerging and Thrust areas.

Constituent Units



- Adichunchanagiri Institute of Medical Sciences
- ♦ Sri Adichunchanagiri College of Pharmacy
- ♦ Adichunchanagiri College of Nursing
- ♦ BGS Institute of Technology
- ♦ BGS College of Education
- ♦ BGS First Grade College
- Adichunchanagiri School of Natural Sciences
- Adichunchanagiri School of Allied Health Sciences
- ♦ Adichunchanagiri Institute of Molecular Medicine

Vision

Education for all with Value Systems of Empathy, Enrichment, Equity, Excellence, Empowerment, Entrepreneurship & Enlightenment to Serve the SocietyMission

Mission

- Education to all for Self-Reliance, Socio-Economic Change to develop an Inclusive Society with Shared Opportunities & Responsibilities
- Empathy towards the Less Fortunate, the Sick, the Suffering & the Disabled
- Enrichment to acquire Abundant Knowledge, Requisite Skills & Appropriate Attitude
- Excellence for Quality Assurance, Enhancement & Sustenance in Academics & Research to produce Graduates of Global Standards
- Equity for Fairness & Social Justice by providing Equal Opportunities
- Empowerment of Graduates to become Intuitive, Innovative & Inventive
- Entrepreneurship is a concept or idea involving the product or service to be delivered, or a new technology to be developed
- Enlightenment to attain Wisdom & Virtues in Life to think beyond Self



Overview of ACN

Adichunchanagiri College of Nursing (ACN) was started in the year 1995 with the fore sight and vision of His Holiness Sri Sri Sri Dr. Balagangadharanatha Mahaswamiji to prepare professional nurses in order to improve standards of nursing service through quality education. It is affiliated under Adichunchanagiri University (ACU). B G Nagara (Formerly with Rajiv Gandhi University of Health Sciences, Karnataka till 2018).

With the divine leadership and blessings of Sri Sri Sri Dr. Nirmalanandanatha Mahaswamiji, the honourable chancellor of ACU. We have grown to be one among the largest nursing institution in the country and the best in the state of Karnataka, by providing value-based education in the last 27 years. The college has recognition from both apex bodies, Karnataka Nursing Council & Indian Nursing Council.

College comprises highly qualified and competent teachers, good physical infrastructure, Library facilities and most importantly students get opportunity for clinical learning in parent teaching hospital including multispecialty hospital with 1150 beds.

Nursing students do have benefit of contributions from interdisciplinary teaching faculty and ample opportunity for extra- curricular activities as university has excellent facilities for the same. We are proud to say that all our alumni's are on job in various hospitals and nursing institutes within Karnataka state and surrounding states and also various countries.





Vision

Achieve excellence by fostering value-based education to develop competent nurses and leaders with a global outlook.

Mission

- Provide high quality nursing education with a broad theoretical base and diverse clinical experience that enhances the individual to become a good nurse in professional practice.
- Advance health care through excellence in nursing and inter disciplinary teaching, research, practice and service.

Programme Educational Objectives

- To apply knowledge and critical thinking skills and ethical principles in evidence-based nursing practice.
- To prepare competent nursing professionals with human values to provide quality nursing care globally.
- To demonstrate effective communication, leadership and decisionmaking abilities and Managerial skills in providing quality nursing care in various health care settings.
- To practice promotive, preventive, curative and restorative health care services adhering to ethical values.
- To demonstrate a comprehensive and advanced understanding of nursing practice's core issues and knowledge bases.

Programmes Offered

Diploma in Nursing

GNM (General Nursing and Midwifery)

Duration: 03 Years

Eligibility: PUC/10+2 Pass

Bachelor in Nursing

B. Sc Nursing

Duration: 04 Years

Eligibility: PUC/10+2 Pass in Science (PCMB only)

Post Basic B. Sc Nursing

Duration: 02 Years

Eligibility: GNM Pass

Master of Nursing

M. Sc Nursing

- » Community Health Nursing
- » Medical Surgical Nursing
- » OBG Nursing
- » Child Health (Paediatric) Nursing
- » Mental Health (Psychiatric) Nursing

Duration: 02 Years

Eligibility: B. Sc Nursing or Post Basic B. Sc Nursing Pass

Course Title: Creche care services

| UNIT | HOURS | CONTENTS |
|------|-------|---|
| I | 5 | Introduction of Child Development, its meaning, scope & importance of study Growth & development: - Meaning of Growth & Development, Maturation & Learning. Role of Parents, Home, School, Community, and Mass Media in the development of the child. Stages of growth and development (from infancy to preschoolers): - Rate of developmental Norms, Needs of Children. |
| II | 5 | Major aspects of child development & their inter-relationship. Socio-Emotional Development Common Emotional Problems of Children & their Psychological Handling. Personal & Social Development-Form of Behavior, Pattern & Factors. Helping Children adjust to the social world around them (Family, School, Community). |
| III | 5 | Audiovisual aids. Teaching aids for growth-enhancing of children. 1. Theoretical details of flash cards. 2. Pappets-3 types-rod, glove finger. 3. Charts 4. Use of various methods: a) Demonstration b) Storytelling. |

Course Title: Operation Theater Nursing

- ▶ Placement of course: III B.Sc. Nursing.
- **Preamble:** Qualified undergraduates with sound knowledge & skills in operation theater nursing will have more employment opportunities in the future.
- Scope & need: Nursing is a complex and challenging profession. Nursing professionals must learn and practice multiple skills as they move to advanced levels in their careers. At a higher level of education, nurses need to apply the theoretical and evidence-based information that underpins task performance. Offering value-added courses is the best measure to identify the interest of graduating nurses and to equip them with essential skills.

Course objectives:

This course is designed to prepare students for expertise & in-depth understanding of the operation theater. It would help nursing students to establish the framework for an in depth study of perioperative patient care and to support the educational process of the learner.

Theory: 20hours Practical: 10hours

| Unit | Н | ours | Learning | | Content | Method of teach | ning |
|------|--------|-----------|---|----|---|--|------|
| No | Theory | Practical | objectives | | | | |
| I | 6 | | Describe tl foundations of perioperative patient care. | of | Foundations of Perioperative Patient Care • Historical background and Professional Nursing • Standards of perioperative clinical practice. • Credentialing | Lecture discussion | cum |
| П | 4 | 3 | Explain the perioperative patient care team | | Peri-operative patient care team Concept of the sterile team and unsterile. team Role of the circulator. Role of the scrub person and assistant. | Lecture discussion and demonstration | cum |

| 3 | 2 | pre-operative preparation. | Pre-operative preparation of the patient • Importance of preoperative preparation • Content of pre-operative patient teaching • Several pre-operative assessment factors relevant to all presurgical patients | Lecture cum Discussion and demonstration | cum |
|---|---|--|---|--|-----|
| 5 | 3 | Describe the intraoperative preparation. | Coordinated roles of the scrub person and the circulator Positioning of the patient Skin preparation and draping of the surgical site Surgical site management Wound closure Wound healing | | |
| 2 | 2 | Explain post operative patient care | Post-operative patient care Potential peri-operative complications Wound healing Positioning | | |

References:

- 1. Allen Gj;professionalism in the OR, surg technol 26(4);24-26
- 2. American Nurses association: ANA standards of clinical nursing practice, Washington, DC, 1991, the association.
- 3. Association of operating Room Nurses :core curriculum for the RN first assistant, ed 2, Denver, 1994, the association.
- 4. Abbott CA: intraoperative nursing activities performed by Surgical technolgists, AORN j 60(3):382-393,1994.
- 5. Badgewell JM: The post anesthesia care unit: a high risk environment for blood borne and infection respiratory pathogens. J post anesh nurse 11(2):66-70,1996.

Course Title: Pain Management in Labour

- ▶ Placement of course: IV year B.Sc. Nursing.
- **Preamble** Qualified under graduates with a sound knowledge & skills of lactation management will have more employment opportunities in the future.
- Scope & need: Nursing is a complex and challenging profession. Nursing professionals must learn and practice multiple skills as they move to advanced level in their career. At higher level of education nurse need to apply the theoretical and evidenced based information that underpins task performance. Offering value added course is the best measure to identify the interest of graduating nurses and to equip them with essential skills.

Course objectives:

This course is designed to prepare students in expertise & in- depth understanding the pain management in labor. It would help nursing students to gain knowledge regarding pharmacological and non-pharmacological method of pain relief in labor

After completing this course, students will be able to:

- 1. Present an overview of factors affecting women's perception of labor
- 2. Discuss how methods such as support and reassurance can impact positively on the birth experience of women.
- 3. Describe how strategies that use the body s own mechanism to facilitate the progress & process of labor work.
- 4. Discuss the non-pharmacological methods of relieving pain in labor.
- 5. Discuss the pharmacological methods of relieving pain in labor

Duration of the course: 6 weeks

Attendance requirement : A candidate must have 80% attendance to appear for the final exam

Evaluation: Formative evaluation – group activity, assignment & presentation. Conduct of final examinations online, MCQ test for 20 marks Examination for 'Pain management in labor" will be conducted by Adichunchanagiri College of Nursing.

- Criteria for the pass: Minimum 50% marks.
- Award of certificate: Candidates will be awarded the certificate by Adichunchanagiri College of Nursing.
- ▶ **Date of commencement :** Academic year 2023-2024 onwards

Theory: 13hours Practical: 02hours

| Unit | Н | ours | Learning | Content | Method of teaching |
|------|--------|-----------|---|--|--|
| No | Theory | Practical | objectives | | |
| I | 3 | | matarnal | Maternal perception of pain Introduction of pain, physiology of pain Pain stimulus and pain sensation Physiological responses to pain in labor. Theories of pain | Lecture cum discussion |
| II | 5 | 2 | Explain the Non pharmacological approaches. | Nonpharmacologic Approaches • Methods of non-pharmacological approaches. • Homeopathy. • Hydrotherapy. • Music therapy. • TENS | Lecture cum discussion and demonstration |

| Ш | - | Facilities | | Lasteria |
|-----|---|--|--|-------------------------|
| III | 5 | Explain the Systemic pharmacolog ic analgesia. | Systemic Pharmacologic Analgesia Opiate drugs. Inhalation analgesia Regional analgesia. Neuraxial techniques Methods of neuraxial anesthesia Common Medications Used in Neuraxial Regional Anesthesia during Labor Contraindications to Neuraxial Regional Anesthesia in Labor peripheral techniques | Lecture cum discussion. |

References:

- 1. Diane M. Fraser, Margaret A.Cooper, "Textbook of midwife" 8th ed:UK, Churchill livingstone, 2009.493-506.
- 2. N kumari'textbook of midwifery & gynecological nursing,1st ed: ,PV,2009,203-205.
- 3. S Ahanatha pillai "Anaestheology for nurses" 1 ST ed: India, jaypee, 2008.
- 4. Sandeep kaur, "Textbook of midwifery and gynaecological nursing"2nd ed: Kolkata, CBS, 2019, 100-133.
- 5. Dr.Lakshmi seshadri, MD, Dr Gita Arjun, "Essentials of obstetrics" 2nd ed: Chennai, wolters Kluwer, 2021, 210-221.

Course Title: Paediatric Pain Management

- ▶ Total hours 2 0
- ▶ Placement of course: III year B. Sc Nursing
- Preamble: Qualified under graduates with a sound knowledge & skills of paediatric pain Management will have more employment opportunities in the future.
- Scope & need: Overall the occurrence of pain in hospitalized children is common, assessment and treatment of pain presents unique challenges to practitioners who care for pediatric patients. Knowledge of drug mechanisms as well as metabolic differences in infants and children compared with adults is necessary for the successful treatment of acute and chronic pain syndromes. The incidence of pain is common among neonates, infants, and children, with an estimated 33–82% of hospitalized pediatric patients experiencing moderate to severe pain, especially following surgery or other painful procedures.
- Despite this, it has long been recognized that pain in pediatric populations is poorly assessed and undertreated or mismanaged, leading to adverse patient outcomes (both long-term and short-term) and increased healthcare expenditures.
- Nursing professionals must learn to assess and treat pediatric pain appropriately while caring for hospitalized children. This course describes the factors affecting pain, past and future status of pain management in children, pharmacological and non-pharmacological management.

Course objectives:

After completing this course, students will be able to:

- 1. Define pain, describe pain pathway, classification/types of pain, discuss factors that influence the perception of pain in children.
- 2. Explain the principles of pain assessment, physiologic and behavioural assessment tools for assessment of pain in children.
- 3. Discuss in detail the management helps in relieving pediatric pain.

- ▶ Attendance requirement: A candidate must have 80% attendance to appear for the final exam
- Evaluation: Formative evaluation group activity, assignment& presentation. Conduct of final examinations online, MCQ test for 50 marks Examination for 'Paediatric Pain Management' will be conducted by Adichunchanagiri College of Nursing.
- Criteria for the pass: Minimum 50% marks.
- Award of Certificate: Candidates will be awarded by Adichunchanagiri College of Nursing, Adichunchanagiri University.

| Sl. No | Hours | Specific objectives | Name of the unit | Method of teaching |
|-----------|-------|---|--|--------------------------|
| 1 | 6 | Define pain, describe pain pathways, classification/types of pain, and discuss factors that influence the perception of pain in children. | Pain in paediatrics: Define pain Describe its normal pathway Stages of pain Process Classification/types of pain Factors influence the perception of pain in children | |
| 2 | 10 | Explain the pain assessment, physiologic and behavioural assessment tools for assessment of pain in children. | Pain assessment including: • WHO Principles • Pain Assessment Methods - PQRSTU, OLDCARTES, COLD SPA • Pain assessment scales ✓ Neonate-CRIES, COMFORT, CHEOPS, FLACC Scales | |

| | | | ✓ Children-FACES ^R FLACC Scales ✓ Adolescent-NRS, VAS, BPI Scales | |
|---|---|--|---|--|
| 3 | 4 | Discuss in detail the management helps in relieving pediatric pain. | Pain management includes: •Developmental considerations in pain management among children. •Pharmacological & non pharmacological management •Role of Nurse in relieving pain. | |

Course Title: Hospital Information System

- Placement of course: II year B.Sc. Nursing
- Course description:

Course description:

The program is unique and first of its kind in India. It addresses all possible aspects of healthcare quality in concise yet comprehensive manner, covering both the clinical as well as managerial aspects. The first phase of program provides sound technical knowledge

Aims:

This information system management will prepare the students to be future-ready with all the in-demand knowledge and skills.

After completing this course, students will be able to:

- 1. Define climate change and describe and discuss its causes
- 2. Determine the consequences of climate change and suggest sustainable solutions
- 3. Recognize climate change effects on human health
- 4. Explore real-world examples through case studies.
- Duration of the course: 6 weeks
- ▶ Attendance requirement : A candidate must have 80% attendance to appear for the final exam
- Evaluation: Formative evaluation group activity, assignment & presentation. Conduct of final examinations online, MCQ test for 50 marks Examination for Impact of climate change on health will be conducted by Adichunchanagiri College of Nursing.
- Criteria for the pass: Minimum 50% marks.
- Award of certificate: Candidates will be awarded the certificate by Adichunchanagiri College of Nursing.

| Unit | Hours | Learning objectives | Content | Teaching learning activities | Assessment methods |
|------|-------|--|--|-------------------------------|--------------------|
| I | 02 | Define Basic quality concept | Basic Quality Concepts Historical Perspective on Quality and journey through TQM Quality Management Standard ISO 9000 Overview of ISO 14000/18000/22000 | Lecture & discussion. Charts. | MCQ's Short essays |
| П | 04 | Describe the Quality & Accreditation in Healthcare | Quality & Accreditation in Healthcare Evolution of Quality and Accreditation in healthcare. Role of Accreditation and Regulation in healthcare Quality Framework of the accreditation standards; NABH, JCI | Lecture & discussion. Charts. | MCQ's Short essays |
| III | 04 | Explain the quality assurance Framework | Quality Assurance Framework > QA in Patient Care Services (admission to discharge & beyond) > QA in Diagnostic Services | Lecture & discussion. Charts. | MCQ's Short essays |

| | | | (Laboratory & Imaging) > QA in various settings of Patient care | | |
|----|----|---|---|-------------------------------|--------------------|
| IV | 02 | Describe the patient safety in clinical processes | Patient Safety in Clinical Processes > Patient Safety Management Program (PSMP) > Infection Control Practices > Preventing Medical & Medication Errors, STGs | Lecture & discussion. Charts. | MCQ's Short essays |
| V | 03 | Explain the Patient centric hopitals | Patient Centric Hospitals Smart Hospitals through effective HIS Patient Friendly Hospitals Green & Clean Hospitals | Lecture & discussion. | MCQ's Short essays |

References:

- 1. Epidemiology and Management for all: PV Sathe and AP Sathe
- 2. URL: http://maha-arogya.gov.in/
- 3. Mrs. M kataria: Strengthening of health Management information system 1995-96:NIHFW
- 4. RanganayakuluBodavala:Evaluation of Health Management Information System in India: Need for Computerized Databases in HMIS. Harvard School of Public Health