

INTELLECT FOR CARE



MANGALORE
COLLEGE OF ALLIED
HEALTH SCIENCE



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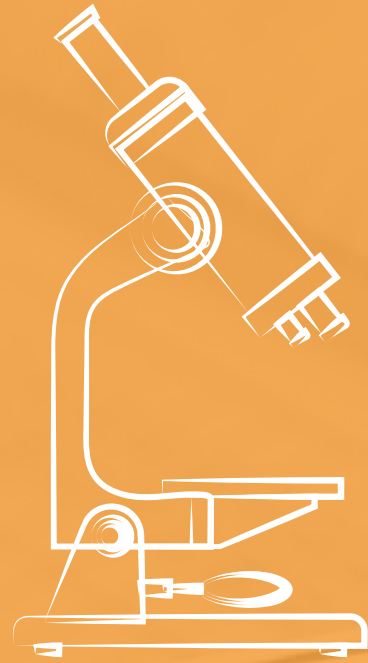
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EMPOWERING MINDS
ENRICHING LIVES
ELEVATING HEALTHCARE





THE FUTURE LOOKS BRIGHT

About

Mangalore College Of Allied Health Science

Mangalore College of Allied Health Science (MCAHS) is established in the year 2023 with the mission to elevate healthcare and education in Mangalore. It is a leading institution that offers a variety of undergraduate and postgraduate courses in allied health Science, such as Renal Dialysis Technology, Emergency & Trauma Care Technology, Medical Imaging Technology, Respiratory Care Technology, Medical Laboratory Technology, Anaesthesia & Operation Theatre Technology.

MCAHS is affiliated to Rajiv Gandhi University of Health Science (RGUHS). The college has state-of-the-art facilities and a highly qualified and experienced faculty. MCAHS is committed to providing its students with the best possible education and experience. The college has a strong focus on clinical training and its students will have the opportunity to gain hands-on experience at a variety of hospitals in the Mangalore area.

MCAHS is a valuable asset to the community and plays a vital role in improving the quality of healthcare in Mangalore and the surrounding region.

Board of Trustees

MCAHS is a college committed to Excellence in allied health science, thanks to the visionary leadership of its Managing Trustee, Dr. Sayyid Mahamood. He is a well-known and respected figure in the healthcare community, and his passion for improving healthcare and education in Mangalore is evident in the commitment of the college to excellence. The Board of Trustees of MCAHS, which includes eight eminent doctors, provides guidance and support to the college to ensure that it continues to sustain its mission.

Highland Hospital

Highland Hospital is the parent hospital of MCAHS and is headed by Dr. C. P. Abdul Rahman. It is a 250-bed hospital that is in the process of acquiring accreditation. Highland Hospital is a leading hospital in Mangalore for medical and surgical services and providing these services to the people of Dakshina Kannada and other nearby districts. Students at MCAHS will have the opportunity to gain hands-on clinical experience at Highland Hospital. This will give them the opportunity to learn from and work with experienced professionals in their field.

Top-notch Hostels with All Facilities

MCAHS has top-notch hostels with all the necessary facilities that students need, such as rooms with attached bathrooms, mess, laundry area, and a common kitchenette. The hostels are hygienic, well-maintained, and provide a comfortable and secure environment for students to live in. At MCAHS, students can expect to receive a high-quality education in allied health Science. The state-of-the-art-facilities of the college, highly qualified faculty, and strong focus on clinical training provide students with the knowledge and skills they need to succeed in their chosen field.

Vision

To be a leading institution of allied health education and research in India, providing our students with the knowledge and skills they need to succeed in their chosen field and to make a positive impact on the lives of others.

Mission

To provide high-quality education and training in allied health Science, to foster a culture of research and innovation, and to serve the community through our clinical services.

Ethics

We are committed to the highest ethical standards in everything we do. We believe in honesty, integrity, and respect for all individuals. We are also committed to diversity and inclusion, and we strive to create a learning and working environment where everyone feels welcome and valued.

Transparency

We are committed to transparency in all aspects of our operations. We believe that our students, staff, and the community have a right to know how we work and how we use our resources. We are committed to publishing clear and concise information about our programmes, finances, and policies.

We believe that our vision, mission, ethics, and commitment to transparency are essential to our success as an institution. We are committed to providing our students with the best possible education and experience, and to making a positive impact on the lives of others.

Facilities

• Parent Hospital

Highland
Hospital

• Affiliated Hospitals

• Teaching Facilities

• Hostels

• Auditorium

• Placements

• Transportation Facilities

• extra curricular activities

B.Sc

Renal Dialysis Technology

The B.Sc. programme in Renal Dialysis Technology offered by Mangalore College of Allied Health Science marks a significant advancement in healthcare education. In recent decades, the remarkable progress in medical technology has revolutionized patient care, presenting new challenges and opportunities in the healthcare sector. It is now widely understood that the delivery of healthcare services requires a collaborative effort, involving both clinical and non-clinical professionals, extending beyond the roles of physicians and nurses.

At Mangalore College of Allied Health Science, our Renal Dialysis Technology programme stands out as an innovative and pioneering academic offering within the realm of Allied Health Science. With a heightened public awareness of kidney diseases and a rising number of dialysis facilities, there is a surge in the demand for skilled Renal Dialysis Technicians. Our programme is designed to equip students with the expertise and proficiency needed to meet this growing need and contribute significantly to the field of healthcare.

Program Outcome

- Demonstrate understanding of basic sciences relevant to the speciality.
- Acquire detailed knowledge about the fundamentals and advances of the respective speciality.
- Update knowledge by self-study and by attending courses, conferences and seminars relevant to the speciality.
- Undertake audit, use the information and assist to carry out research both basic and professional with the aim of publishing or presenting the work at various scientific gatherings.
- Demonstrate knowledge about Renal Failure (ARF & CRF) and its management.

Career Prospects

- Nephrologist Technician
- Clinical Coordinator
- Lab Technician
- Renal Program Admission Coordinator
- Dialysis Technician
- Medical Technician
- Lecturer/ Professor



B.Sc

Emergency & Trauma Care Technology

The B.Sc. programme in Emergency & Trauma Care Technology at Mangalore College of Allied Health Science is designed to meet the escalating demand for skilled experts in critical care settings. This comprehensive undergraduate programme focusses on essential areas such as infection control, airway care, ventilator support, and more. Emergency & Trauma care technologists play a pivotal role in hospitals and healthcare units. They are responsible for the installation and maintenance of vital medical equipment. Additionally, they provide essential training to medical professionals on equipment usage and conduct routine maintenance checks, ensuring seamless operations in Emergency & Trauma care environments.

Program Outcome

- **Advanced Technology Proficiency:** Develop hands-on expertise in utilizing advanced technology crucial for Emergency and trauma care settings.
- **Evidence-Based Care:** Assist in applying evidence-based guidelines to ensure optimal care for patients facing critical illness or injury.
- **Clinical Judgement in ICU:** Support the healthcare team by demonstrating astute clinical judgment in high-pressure ICU settings, contributing to effective decision-making.
- **Clinical Procedures Support:** Work closely with doctors, providing assistance during clinical procedures as required, ensuring smooth and efficient operations.
- **Documentation & Lab Procedures:** Master the process of accurately filling out investigation forms and dispatching documents to the relevant labs, adhering to prescribed instructions.

Career Prospects

Work in hospitals in ICUs, emergency rooms, trauma centres and similar healthcare settings requiring emergency and critical care. Hospitals working in both the private and public sector will be in need of the services.

- Critical Care Technologist Intensivist
- Intensive Care Unit Technician
- Critical Care Senior Consultant
- Critical Care Specialist
- Biomedical Equipment Technician

B.Sc

Medical Imaging Technology

The B.Sc. Medical Imaging Technology programme offered by Mangalore College of Allied Health Science focusses on techniques and procedures employed to generate images of different anatomical regions for diagnostic and therapeutic applications in the realm of digital health. This encompasses a range of radiological imaging methods, including X-ray radiography, Fluoroscopy, and more. The field presents numerous prospects and a thriving market for private clinics to flourish.

Program Outcome

- Provide patient care & assist in diagnosing the patient in an accurate manner & direction to achieve the optimum result by the Medical Professionals.
- Create awareness of various radiations and safety measures meant for staff members and the general public.
- Gain sufficient theoretical knowledge to understand the scientific concepts underpinning Medical Imaging Technologies.
- Demonstrate knowledge of x-ray physics and related math.
- Recognize quality diagnostic images for both technical and anatomical criteria and have the technical ability to correctly repeat images when the quality is not adequate for diagnostics.
- Demonstrate radiation safety for self, staff, and patients as set forth by standards.
- Understanding of advanced multiple ARRT imaging modalities and the need for lifelong learning.

Career Prospects

- X-Ray Technician
- MRI Technician.
- Radiologist Assistant
- Ultrasound Technician
- Radiology Technologist
- Nuclear Medicine Technologist
- Radiologic Therapist
- CT Tech / CAT Scan Technologist



B.Sc

Respiratory Care Technology

The B.Sc. Respiratory Care Technology programme at Mangalore College of Allied Health Science is tailored to meet the demands of modern healthcare. It encompasses a range of specialized techniques and processes crucial for managing respiratory conditions and ensuring optimal patient outcomes. Graduates in this field are well-prepared for a diverse array of opportunities, spanning both clinical settings and private healthcare facilities. This programme equips students with the expertise and knowledge required to excel in the dynamic and vital field of respiratory care.

Program Outcome

- **Clinical Excellence:** Graduates will deliver high-quality respiratory care in diverse clinical settings, adhering to industry standards.
- **Advanced Technology Proficiency:** Graduates will master complex respiratory equipment for accurate diagnosis and treatment.
- **Critical Thinking:** Graduates will analyze complex scenarios, make informed decisions, and adapt to changing patient conditions.
- **Effective Communication:** Graduates will communicate clearly, collaborating seamlessly with healthcare teams and educating patients and families.
- **Ethical Practice:** Graduates will uphold professional standards, ensuring patient safety, privacy, and confidentiality in their care.

Career Prospects

- Respiratory Therapist
- Pulmonary Function Technologist
- Sleep Technologist
- Critical Care Respiratory Therapist
- Neonatal/Pediatric Respiratory Therapist
- Educator or Clinical Instructor
- Pulmonary Rehabilitation Specialist
- Home Care Respiratory Therapist
- Researcher in Respiratory Health
- Healthcare Administration or Management



B.Sc

Medical Laboratory Technology

The B.Sc. Medical Lab Technology programme at Mangalore College of Allied Health Science is an undergraduate programme designed to equip students with the essential skills in clinical laboratory investigations. This process is the critical first step in diagnosing diseases, subsequently leading to effective treatment and prevention strategies. The curriculum encompasses preclinical subjects such as Biochemistry, Pathology, Microbiology, Blood Banks, and foundational knowledge in laboratory equipment operation. This programme equips candidates with the knowledge and training required to excel in various clinical laboratories.

Students receive comprehensive training in laboratory management ethics through practical sessions, internal assessments, viva-voce examinations, and engage in an internship training program along with clinical postings in every semester. These professionals hold a crucial role in the collection, sampling, analysis, reporting, and documentation of clinical investigations, making them indispensable in the healthcare system.

Program Outcome

- **Foundational Understanding:** Develop a comprehensive understanding of the basic sciences pertinent to medical laboratory technology.
- **In-Depth Specialized Knowledge:** Acquire detailed and advanced knowledge about the fundamentals and recent advances in medical laboratory technology.
- **Continuous Learning:** Stay updated with the latest developments in the field through self-directed study, and active participation in relevant courses, conferences, and seminars.

Career Prospects

A career contributing to patient care diagnosing medical conditions. Upon graduation, have exciting career opportunities to fulfil the needs of the healthcare industry, bio-laboratory companies, pharma-specific biotech organisations, fertility research clinics, and forensic research.

- Laboratory Technologist
- Clinical Scientist
- Research Associate
- Medical Lab Assistant
- Clinical Biochemist
- Laboratory Technician



B.Sc

Anaesthesia & Operation Theatre Technology

The B.Sc. Anaesthesia & Operation Theatre Technology programme at Mangalore College of Allied Health Science is designed to provide specialized training in Anaesthesia and Operation Theatre management. This programme places a strong emphasis on preoperative care, including the critical aspects of emergency patient resuscitation, all while upholding the values of patient rights and dignity.

Graduates of this programme will emerge with a comprehensive skill set that enables them to work seamlessly alongside healthcare professionals in diverse settings. The curriculum covers the entire spectrum of patient care, spanning the preoperative, intraoperative, and postoperative phases.

Additionally, students will gain proficiency in operating advanced machinery and equipment commonly found in modern operation Theatres. This programme thus equips graduates with the practical skills and theoretical knowledge essential for a successful career in Anaesthesia and Operation Theatre technology.

Program Outcome

- Proficiency in preparing and maintaining the Operation Theatre.
- Ability to manage equipment support in acute care settings.
- Skill in recognizing and implementing measures to maintain a sterile field.
- Adherence to infection control policies and procedures.
- Capability to manage and maintain Theatre equipment.
- Expertise in preparing patients for Operative procedures.

Career Prospects

- Anaesthetist Consultant
- Associate Consultant
- Medical Assistant
- Operating Theatre Technician
- Surgical Assistant





MANGALORE COLLEGE OF ALLIED HEALTH SCIENCE

Where **Education**
Meets *compassion*



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