

KMCT

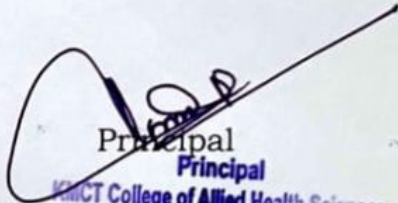
COLLEGE OF ALLIED HEALTH SCIENCES

Affiliated to Kerala University of Health Sciences and approved by Govt. of Kerala

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the information in the attached documents is verified by me and is true to the best of my knowledge.




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INNOVATION AND
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DEVELOPMENT CENTRE



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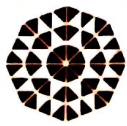
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LIST OF COURSES WITH THEIR DESCRIPTIONS



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ISSUES ADDRESSED	PROGRAM NAME	PARTICIPANTS	DESCRIPTION
Health Determinants	1. Community surveys 2. Blood donation camp 3. Palliative care visits 4. Special school camps 5. Public awareness program 6. Seminar sessions on <ul style="list-style-type: none"> ● World downs syndrome day ● World cancer day ● International epilepsy day ● World tuberculosis day ● World haemophilia day ● World autism awareness day ● World immunisation day ● World hypertension day ● World asthma day ● National vaccination day ● World heart day ● World hepatitis day 7. Basic courses on <ul style="list-style-type: none"> ● Cardiopulmonary Resuscitation ● Yoga 	All students	Various outreach programs and awareness sessions are conducted by KMCT CAHS with an aim to improve the observance about the health issues in the community
Environment and sustainability	1. Environment literacy week 2. Webinar on zero waste lifestyle 3. Community cleaning- Mukkam bus stand 4. Engaging in tree planting initiatives within the college and local community	All students	College union under the guidance of IQAC conducts cleaning of college premises and community campaign every year during Gandhi jayanti day. World environmental day is celebrated to create awareness about saving the environment. Green campus protocol implementation and Plastic free campus campaign is also organized by college union



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Gender	1. Women's health and hygiene 2. Health problems in adolescents and beyond	All students	In each academic Year seminar sessions regarding women issues are conducted in the college by various Eminent speakers. All students teaching and non-teaching staffs attend the talk
Human value	1. Blood donation camp 2. World sight day -Seminar on eye donation 3. Webinar sessions on International day of person with disabilities 4. World AIDS day – public awareness programs	All students	KMCT college of allied health science conducts a program in each academic year to enlighten their Students, staff and the community with human values. These programs creates awareness among our students about social and individual values.
Right to health and professional ethics	1. World optometry day 2. International laboratory week 3. Professional ethics	All students	Regular program are given to follow ethics and to develop professionalism



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Name of the program		Name of the course	Cross cutting issues	Descriptions
BPT	First year	Anatomy	Human values Environment and sustainability	Respect to cadaver
		Physiology	Gender Health determinants	Physiological basis of health and diseases
		Psychology	Human values Gender	Importance of doctor patient approaches Gender specific behavioural changes
		Sociology	Human values	Importance of doctor patient approaches
	Second year	Exercise therapy	Professional ethics Gender Human values	Respect to privacy and confidentiality of patient Professionalism Doctor patient relationship
		Electrotherapy	Professional ethics Gender Human values	Respect to privacy and confidentiality of patient Professionalism Doctor patient relationship
		Microbiology	Environment and sustainability	Infection control and prevention
		Pathology	Human values	Doctor patient relationship
	Third year	PT in cardiology and cardiothoracic and surgery	Professional ethics Gender Human values	Respect to privacy and confidentiality of patient Professionalism Doctor patient relationship
		PT in general medicine and general surgery	Professional ethics Gender Human values	Respect to privacy and confidentiality of patient Professionalism Doctor patient relationship
Community medicine		Human values	Doctor patient relationship	



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	Fourth year	PT in orthopaedics and sports	Professional ethics Gender Human values	Respect to privacy and confidentiality of patient Professionalism Doctor patient relationship
		PT in neurology and neurosurgery	Professional ethics Gender Human values	Respect to privacy and confidentiality of patient Professionalism Doctor patient relationship
		PT in community health	Professional ethics Gender Human values	Respect to privacy and confidentiality of patient Professionalism Doctor patient relationship



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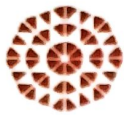
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Name of the program		Name of the course	Cross cutting issues	Descriptions
BSc in Perfusion Technology	First year	Anatomy	Human values Environment and sustainability	Respect to cadaver
		Physiology	Gender Health determinants	Physiological basis of health and diseases
		Pathology	Human values	Doctor patient relationship
		Microbiology	Environment and sustainability	Infection control and prevention
		Biochemistry	Human values Health determinant	Universal safety precautions Laboratory hazards & its prevention First aids usage
	Second year	Introduction to Perfusion technology	Professional ethics Gender Human values	Respect to privacy and confidentiality of patient Professionalism Doctor patient relationship
		Applied Microbiology	Environment and sustainability	Infection control and prevention
		Applied Pathology	Human values	Doctor patient relationship
	Third year	Perfusion technology	Professional ethics Gender Human values	Respect to privacy and confidentiality of patient Professionalism Doctor patient relationship
		Perfusion technology applied	Professional ethics Gender Human values	Respect to privacy and confidentiality of patient Professionalism Doctor patient relationship




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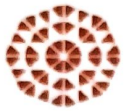
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BSc OPTOMETRY	First year	Anatomy	Human values Environment and sustainability	Respect to cadaver
		Physiology	Gender , Health determinants	Physiological basis of health and diseases
		Ocular Anatomy	Health determinants	Study of the structure and organization of the eyes, encompassing components and other anatomical features that contribute to vision and eye function.
		Ocular Physiology	Health determinants	Normal functioning and mechanisms of the eyes, encompassing processes such as vision, eye movement, and the physiological aspects of the visual system.
		Pathology	Human values, Health determinant	Doctor patient relationship, Diagnosing various eye conditions
		Pharmacology	Human values, Right to health and emerging issues and Professional ethics, Health determinant	Effects of drugs and medications on living organisms, including their interactions with the body, mechanisms of action,

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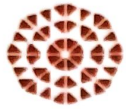
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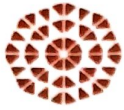
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			therapeutic uses, and potential side effects.
	Optometric Optics	Health determinant	Application of optical principles in the field of optometry, focusing on the correction of vision problems
	Clinical Examination of Visual Systems & Instruments	Health determinant	Assessment and evaluation of the visual system, utilizing various instruments to examine the eyes, visual pathways, and associated structures to diagnose and manage eye conditions and vision disorders.
	Visual Optics	Health determinant	Study of how light interacts with the eyes and the visual system.
	Microbiology	Health determinants, Environment and sustainability	Role in diagnosis & control of infection
	Nutrition & Biochemistry	Human values, Health determinant	Influencing health and ethical principles through their impact on physiological processes and overall well-being.



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	Third year	Systemic Diseases Medicine	Health determinant	Diagnosis, treatment, and management of medical conditions that affect multiple organ systems
		Eye Diseases	Health determinant	Diagnosis, treatment, and management of medical conditions effecting eye.
		Contact Lens	Health determinant	Examination, fitting, and management contact lens, addressing refractive errors and providing an alternative to traditional eyeglasses for vision correction, with considerations for comfort, safety, and overall ocular health.
		Low Vision aid and Dispensing Optics & Mechanical Optics	Human values, Health determinant	Focus on providing optical solutions for individuals with visual impairments and mechanical optics involves the application of optical principles in the design and optimization of mechanical systems.

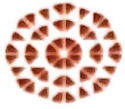
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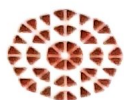
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	Binocular Vision & Squint	Health determinant	It encompasses the examination of the synchronized use of both eyes for a unified visual experience and the analysis of diagnosing and treating strabismus, aiming to enhance visual function.
	Community Optometry	Human values, Right to health and emerging issues and Professional ethics, Health determinant	Doctor patient relationship, Laws governing medical and paramedical professions




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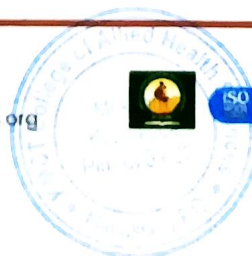
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MLT	FIRST YEAR	Biochemistry	Human values Health determinant	Universal safety precautions Laboratory hazards & its prevention First aids usage
		Microbiology	Health determinant	Role in diagnosis & control of infection
		Basic Medical Laboratory science & Hematology	Health determinant Professional ethics Emerging demographic issues	Emergency care & life support Medical law & ethics Demography & vital statistics
SECOND YEAR	General Microbiology	Professional ethics	Mercy killing of lab animals & postmortem, and disposal	
	Parasitology & Entomology	Health determinants	Role of arthropods in disease transmission	
THIRD YEAR	Bacteriology	Professional ethics Health determinants	Antibiotic usage, Microbial resistance & its significance	
	Cytology & Transfusion Medicine	professional ethics	Ethics in blood donation procedures	
	Computer, Research & Laboratory Management	professional ethics Health determinants Environmental & sustainability	Quality assurance PPE Biomedical waste management Emergency/disaster management	
FOURTH YEAR	Biochemistry	Professional ethics	Quality control	
	Mycology, Virology & Applied Microbiology	Health determinants	Emerging viral disease in kerala Nosocomial infections	

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