Graduate Attributes

By the end of the program the students will be able to:

- To help healthcare professionals comprehend issues related to providing critical care to patients requiring the same along with having a full proof knowledge on maintenance of various biomedical instruments required for conducting medical tests and other related ailments.
- The course also aims to comprehend Healthcare organizations.
- The students can work in conjunction with other healthcare organizations.
- Work in hospitals (both private and public sectors) as a healthcare professional.
- A BSc in Critical Care Technology can easily get placed in hospitals.
- He/she can work in hospitals in ICUs, emergency rooms, trauma centers, and similar healthcare settings requiring emergency and critical care.
- Hospitals working in both the private and public sectors will be in need of the services.
- After successful completion of a B.Sc. in Critical Care Technology, students are eligible to work in the Critical Care Unit, Cardiac Unit, Operation Theatre, etc in hospitals and other health care units.
- The students would be able to learn about setting up medical equipment, monitoring the equipment, recording the data, and providing the data to the physicians.
- students will have a basic understanding of the scientific principles on which medical instruments and devices are designed for healthcare applications.

Curriculum Structure

Semester 1

SI.	Subject	Code	Subject Name	Credits		Total	
	Туре			L	Т	Р	Credits
1.	DSC	BMICCT 101 & 191	BASICS OF HUMAN ANATOMY	3	0	2	5
2.		BMICCT 102 & 192	BASICS OF HUMAN PHYSIOLOGY	3	0	2	5
3.	DSE	MIM101	PRINCIPLES OF MANAGEMENT	2	1	0	3
4.	GE		ANYONE FROM GE BASKET A/D	3	0	0	3
5.	AECC	AECC101	ENGLISH & PROFESSIONAL COMMUNICATION	2	0	0	2
6.	SEC	SEC181	LIFE SKILLS & PERSONALITY DEVELOPMENT	2	0	0	2
7.	VAC	VAC181A/B/C	YOGA/HEALTH & WELLNESS/SPORTS	2	0	0	2
Total Credit							22

SI.	Subject	Code	Subject Name	Credits			Total
	Туре			L	Т	Р	Credits
1.	DSC	BMICCT 201	BASIC CRITICAL CARE MANAGEMENT	3	2	0	5
			[BASICS OF NURSING, ANAESTHESIA, SURGERY]				
2.		BMICCT 202 & 292	FUNDAMENTALS OF BIOCHEMISTRY	3	0	2	5
3.	DSE	MIM201A/B	ORGANIZATION BEHAVIOUR /BUSINESS ETHICS & CORPORATE GOVERNANCE	2	1	0	3
4.	GE		ANYONE FROM GE BASKET B/E	3	0	0	3
5.	AECC	AECC201	Modern Indian Languages & Literature	2	0	0	2
6.	SEC	SEC281	IT Skills	2	0	0	2
7.	VAC	VAC281A/B/C/D	CRITICAL THINKING/NSS	2	0	0	2
			/MENTAL HEALTH/ENVIRONMENTAL STUDIES				
Total Credit							22

Semester 3

SI.	Subject Type	Code	Subject Name	C	redits	5	Total Credits	
	,,		ŕ	L	Т	Р		
1.	DSC	BMICCT 301 & 391	BASICS OF PATHOLOGY, MICROBIOLOGY, PHARMACOLOGY	3	-	2	5	
2.		BMICCT 302	FUNDAMENTALS OF BIO-PHYSICS	3	2	0	5	
3.	DSE	MIM301A	Principles of Marketing	3	1	0	4	
4.	GE		GE- Anyone from the GE Basket	3	-	0	3	
5.	AECC	AECC 301	The Constitution, Human Rights & Law	2		0	2	
6.	SEC	SEC 381	Understanding basics of Cyber Security	2		0	2	
Total Credit							21	

Subject			(Credits		Total	
Туре	Code	Subject Name		Т	Р	Credits	
	BMICCT 401	ICU THERAPY	3	1	0	4	
DSC	BMICCT 402	CSSD PROCEDURE	3	1	0	4	
	BMICCT 403 & 493	LABORATORY SCIENCE [HAEMATOLOGY & PARASITOLOGY]	3	0	2	5	
DCE	MIM401	Human Resource Management	4	-	0	4	
DSE	MIM402	E-Commerce	4	-	0	4	
AECC	AECC 401	Society, Culture & Human Behaviour	2	-	0	2	
Total Credit							

Semester 5

SI.	Subject Type	Code	Subject Name	С	redit	5	Total Credits
31.	Туре	Subject Name	L	Т	Р	Credits	
1.	DSC	BMICCT 501	EQUIPMENT MAINTENANCE & TROUBLE SHOOTING	3	ı	2	5
2.		BMICCT 502	LAW & MEDICAL ETHICS	3	-	2	5
3.	DSE	MIM501	Financial Management	4	-	0	4
		MIM502	Entrepreneurship	4	-	0	4
5.	SEC	SEC581	Internship	4	-	0	4
Total Credit							22

Sl.	Subject Type	Code	Subject Name	C	redit	5	Total Credits
	Турс	Code	Subject Name	L	Т	Р	Cicuits
1.		BMICCT 601	RESEARCH METHODOLOGY - I	3	1	0	4
2.	DSC	BMICCT 602	CELLULAR BIOPHYSICS	3	2	0	5
3.		BMICCT 603 & 693	BIOCHEMICAL TECHNIQUE	3	0	2	5
		MIM601	Customer relationship management			_	
4.	~_			4	-	0	4
5.	DSE	MIM602	Career planning and management	4	-	0	4
Total Credit							22

Semester 7

Sl.	Subject Type	Code	Subject Name	C	redit	S	Total Credits
51.	Туре	Subject Name	Subject Name	L	Т	Р	Credits
1.	DSC	BMICCT 701	OPTHALMOLOGY & ENT	3	2	0	5
2.		BMICCT 702	COMMUNITY HEALTH & EVS	3	2	0	5
3.		BMICCT 703	RESEARCH METHODOLOGY - II	3	1		4
4.	DSE	MIM701	Consumer Behavior	4	-	0	4
5.		MIM702	Strategic Management	4	-	0	4
Total Credit						22	

Sl.	Subject Type	Code	Subject Name	С	Credits		Total Credits	
	, ype	Subject Name	L	Т	Р	Credits		
1.	DSC	BMICCT 801	GYNAECOLOGY & OBSTETRICS	3	2	0	5	
2.		BMICCT 802	CLINICAL MANIFESTATION OF PEDIATRICS	3	2	0	5	
3.	SEC	SEC881	Research Project	12	-	-	12	
Total Credit							22	