

**VINAYAKA MISSION'S RESEARCH FOUNDATION**  
**FACULTY OF ALLIED HEALTH SCIENCES**  
**CBCS PATTERN AND SYLLABUS CURRICULUM**  
**B.Sc., CARDIAC TECHNOLOGY**

**For the students admitted from the academic year 2022 – 2023 batch and onwards**

S.NO	COURSE CODE	COURSE TITLE	L	T	P / CR	C	HRS
<b>SEMESTER – I THEORY</b>							
1.	BCTAEC01	General Psychology	2	0	0	2	30
2.	BCTSEC01	To be chosen by student	2	0	0	2	30
3.	BCTCT01	General Anatomy	4	0	0	4	60
4.	BCTCT02	General Physiology	4	0	0	4	60
5.	BCTCT03	General Biochemistry	4	0	0	4	60
<b>PRACTICAL</b>							
1.	BCTCL01	General Anatomy	0	0	1	1	30
2.	BCTCL02	General Physiology	0	0	1.5	1.5	45
3.	BCTCL03	General Biochemistry	0	0	1.5	1.5	45
<b>SEMESTER – II THEORY</b>							
1.	BCTAEC02	Basic Food and Nutrition	2	0	0	2	30
2.	BCTSEC02	To be chosen by student	2	0	0	2	30
3.	BCTCT04	General Microbiology	4	0	0	4	60
4.	BCTCT05	General Pathology	4	0	0	4	60
5.	BCTCT06	General Pharmacology	4	0	0	4	60
<b>PRACTICAL</b>							
1.	BCTCL04	General Microbiology	0	0	1.5	1.5	45
2.	BCTCL05	General Pathology	0	0	1.5	1.5	45
3.	BCTCL06	General Pharmacology	0	0	1	1	30
<b>SEMESTER – III THEORY</b>							
1.	BCTAEC03	Environmental Sciences	2	0	0	2	30
2.	BCTSEC03	To be chosen by student	2	0	0	2	30
3.	BCTCT07	Applied pathology	4	0	0	4	60
4.	BCTCT08	Medicine Relevant To Cardiac Care Technology	4	0	0	4	60
5.	BCTCT09	Introduction to cardiac Technology-I	4	0	0	4	60
6	BCTCT10	Applied Pharmacology	3	0	0	3	45
<b>PRACTICAL</b>							
1.	BCTCL07	Applied pathology	0	0	1	1	30
2	BCTCL08	Medicine Relevant To Cardiac Care Technology	0	0	1.5	1.5	45
3	BCTCL09	Introduction to cardiac Technology-I	0	0	1.5	1.5	45
4	BCTCL10	Applied Pharmacology	0	0	1	1	30

<b>SEMESTER – IVTHEORY</b>							
1.	BCTSEC04	To be chosen by student	2	0	0	2	30
2.	BCTCT11	Patient care and Basic nursing	4	0	0	4	60
3.	BCTCT12	Introduction to cardiac Technology-II	4	0	0	4	60
4.	BCTCT13	Basic Intensive Care	4	0	0	4	60
<b>PRACTICAL</b>							
1.	BCTCL 11	Patient care and basic nursing	0	0	2	2	60
2.	BCTCR01	Clinical Rotation I	0	0	6	6	180
<b>SEMESTER –VTHEORY</b>							
1.	BCTSEC05	To be chosen by student	2	0	0	2	30
2.	BCTDSE01	Interpretation of Echocardiography	4	0	0	4	60
3.	BCTDSE02	Cardiac evaluation and therapies I	4	0	0	4	60
4.	BCTDSE03	Advanced Electrocardiography	4	0	0	4	60
<b>PRACTICAL</b>							
1.	BCTDSEL01	Interpretation of Echocardiography	0	0	2	2	60
2.	BCTDSEL02	Cardiac evaluation and therapies I	0	0	3	3	90
3.	BCTDSEL03	Advanced Electrocardiography	0	0	3	3	90
<b>SEMESTER – VITHEORY</b>							
1.	BCTSEC06	To be chosen by student	2	0	0	2	30
2.	BCTDSE04	Cardiac evaluation and therapies II	4	0	0	4	60
3.	BCTDSE05	Cardiac catheterization laboratory	4	0	0	4	60
4.	BCTDSE06	Cardiac care Technology –Clinical and Applied	4	0	0	4	60
<b>PRACTICAL</b>							
3.	BCTCR02	Clinical Rotation II	0	0	8	8	240

<b>FOURTH YEAR</b>							
1.	BCTIN01	INTERNSHIP	0	0	20	20	600
2.	BCTRP01	Dissertation and Viva voce	0	0	6	6	180