SEMESTER I (COMMON)												
CORE COURSES												
Course Code & Course		**Theory Credits (Total Hours)**	**Practical Credits (Total Hours)**	**Teaching Hours Per Week**		**Examination Scheme**					
						Theory Marks			**Practical Marks**		
				Theory/ Tutorial	**Practical**	**U/E**	**I/A**	**Total**	**U/E**	**I/A**	**Total**
AH 101	ANATOMY	2 (30)	2.5(75)	3	4	40	20	60	60	40	100
AH 102	PHYSIOLOGY	2 (30)	2.5(75)	3	4	40	20	60	60	40	100
AH 103	BIOCHEMISTRY	2 (30)	2.5(75)	3	4	40	20	60	60	40	100
AH 104	ENGLISH	3 (45)	-	3	-	60	40	100	-	-	-
ABILITY ENHANCEMENT ELECTIVE COURSE											
AEEC 105	PRINCIPLES OF NURSING	2 (30)	2.5(75)	3	4	40	20	60	60	40	100
CORE ELECTIVE COURSES											
CEC 106	COMMUNICATION SKILLS*	2 (30)	-	2	-	60	40	100	-	-	-
CEC 107	COMPUTER RELATED TO MEDICAL CARE **	1(15)	1 (30)	1	2	40	20	60	60	40	100
1 theory credit = 15 classroom &/or experiential learning hours 1 practical credit = 30 practical training hours **Note : Students have chosen all subjects for studying in Semester I**									**Total Credit Points**		**25**

SEMESTER II COMMON)
CORE COURSES

BSc (Cardiovascular Technology) SEMESTER III

Course Code & Course		Theory Credits (Total Hours)	Practical Credits (Total Hours)	Teaching Hours Per Week		Examination Scheme					
						Theory Marks			Practical Marks		
				Theory/ Tut/ Sem	Practical	U/E	I/A	Total	U/E	I/A	Total
AH 201	MICROBIOLOGY	2 (30)	2 (60)	2	4	40	20	60	60	40	100
AH 202	PATHOLOGY	2 (30)	2 (60)	2	4	40	20	60	60	40	100
AH 203	PHARMACOLOGY	2 (30)	2 (60)	2	4	40	20	60	60	40	100
AH 204	COMMUNITY MEDICINE	2 (30)	2 (60)	2	4	40	20	60	60	40	100
ABILITY ENHANCEMENT ELECTIVE COURSE											
AEEC 205	ENVIRONMENT STUDIES	3 (45)	-	3	-	60	40	100	-	-	-
CORE ELECTIVE COURSE											
CEC 206	HOSPITAL OPERATIONAL MANAGEMENT	2 (30)	2 (60)	2	4	40	20	60	60	40	100
OR											
CEC 207	INTRODUCTION TO QUALITY AND PATIENT SAFETY	2 (30)	2 (60)	2	4	40	20	60	60	40	100
1 theory credit = 15 classroom &/or experiential learning hours 1 practical credit = 30 practical training hours									**Total Credit Points**		**23**

CORE COURSE											
Course Code & Course		Theory Credits (Total Hours)	Practical Credits (Total Hours)	Teaching Hours Per Week		Examination Scheme					
						Theory Marks			Practical Marks		
				Theory/Tutorial	Practical	U/E	I/A	Total	U/E	I/A	Total
CAVT 301	Review of anatomy and physiology of Cardiovascular System	2 (30)	3(90)	2	6	60	20	80	80	40	120
CAVT 302	Pharmacology related to cardiac technology	2 (30)	3(90)	2	6	60	20	80	80	40	120
CAVT 303	Clinical features and treatment of diseases pertinent to cardiac technology	3 (45)	3(90)	2	6	60	20	80	80	40	120
CAVT 304	Medical electronics, biophysics use to cardiac technology	2 (30)	3(90)	2	6	60	20	80	80	40	120
ABILITY ENHANCEMENT ELECTIVE COURSE											
CAVT/AEEC 305	Biostatistics and research methodology	2 (30)		2		60	40	100			
OR											
CAVT/AEEC 306	Medical Records Managements	2 (30)		2		60	40	100			
1 theory credit = 15 classroom &/or experiential learning hours				1 practical credit = 30 practical training hours					**Total Credit Points**		**23**

BSc (Cardiovascular Technology) SEMESTER IV												
CORE COURSE												
Course Code & Course		**Theory Credits (Total Hours)**	**Practical Credits (Total Hours)**	**Teaching Hours Per Week**		**Examination Scheme**						
						Theory Marks			**Practical Marks**			
				Theory/ Tutorial	**Practical**	**U/E**	**I/A**	**Total**	**U/E**	**I/A**	**Total**	
CAVT 401	Basic Electro Cardiography (ECG)	2 (30)	3(90)	2	6	60	20	80	80	40	120	
CAVT 402	Basic Echocardiography (ECG)	2 (30)	3(90)	2	6	60	20	80	80	40	120	
CAVT 403	Advanced Electro cardiography(ECG) - i	3 (45)	3(90)	2	6	60	20	80	80	40	120	
CAVT 404	Advanced electro cardiography(ECG) - ii	2 (30)	3(90)	2	6	60	20	80	80	40	120	
ABILITY ENHANCEMENT ELECTIVE COURSE												
CAVT/AEEC 405	Organization behavior	2 (30)		2		60	40	100				
OR												
CAVT/AEEC 406	Pursuit of Inner self excellence	2 (30)		2		60	40	100				
1 theory credit = 15 classroom &/or experiential learning hours 1 practical credit = 30 practical training hours									**Total Credit Points**			**23**

BSc (Cardiovascular Technology) SEMESTER V

CORE COURSE

Course Code & Course		Theory Credits (Total Hours)	Practical Credits (Total Hours)	Teaching Hours Per Week		Examination Scheme					
						Theory Marks			Practical Marks		
				Theory/ Tutorial	Practical	U/E	I/A	Total	U/E	I/A	Total
CAVL501	Cardiac Catheterization Laboratory Basic - I	3 (45)	3(90)	2	6	60	20	80	80	40	120
CAVL 502	Cardiac Catheterization Laboratory Basic - II	2 (30)	3(90)	2	6	60	20	80	80	40	120
CAVL 503	Cardiac Catheterization Laboratory Advanced - I	2 (30)	3(90)	2	6	60	20	80	80	40	120
CAVL 504	Cardiac Catheterization Laboratory Advanced - II	2 (30)	3(90)	2	6	60	20	80	80	40	120
ABILITY ENHANCEMENT ELECTIVE COURSE											
CAVL/AEEC 505	Medical Bioethics	2 (30)		2		60	40	100			
OR											
CAVL/AEEC 506	Human Rights Professional Values	2 (30)		2		60	40	100			
1 theory credit = 15 classroom &/or experiential learning hours				1 practical credit = 30 practical training hours					**Total Credit Points**		**23**

BSc (Cardiovascular Technology) SEMESTER VI												
CORE COURSE												
Course Code & Course		**Theory Credits (Total Hours)**	**Practical Credits (Total Hours)**	**Teaching Hours Per Week**		**Examination Scheme**					
						Theory Marks			**Practical Marks**		
				Theory/ Tutorial	**Practical**	**U/E**	**I/A**	**Total**	**U/E**	**I/A**	**Total**
CAVT 601	Basic Life support	3 (45)	3(90)	2	6	60	20	80	80	40	120
CAVT 602	Ambulatory ECG (holter) recording and ambulatory BP.	2 (30)	3(90)	2	6	60	20	80	80	40	120
CAVT 603	Treadmill exercise stress testing and 24 hour ambulatory ECG (holter) recording	2 (30)	3(90)	2	6	60	20	80	80	40	120
CAVT 604	Echocardiography	2 (30)	3(90)	2	6	60	20	80	80	40	120
ABILITY ENHANCEMENT ELECTIVE COURSE											
CAVT/AEEC 605	Project related to cardiovascular technologies	2 (30)		2		60	40	100			
1 theory credit = 15 classroom &/or experiential learning hours 1 practical credit = 30 practical training hours									**Total Credit Points**		**23**