

B.Sc. CARDIOVASCULAR TECHNOLOGY
CURRICULUM - ANNUAL PATTERN 2024-2025

S. No.	Course Category	Course Type	Course Code	Course Title	L	T	P	C	S	TCH /week	Total hours
I YEAR											
1	BMS	TP	HGH11001	Anatomy	2	0	4	8	2	6	180
2	BMS	TP	HGH11002	Physiology	2	0	4	8	2	6	180
3	BMS	TP	HGH11003	Biochemistry	2	0	2	6	2	4	120
4	BMS	TH	HGH11004	Basic nursing care & medical terminologies	2	0	0	4	1	2	60
5	BMS	TH	HGH11007	Pharmacology	2	0	0	4	1	2	60
6	BS	TP	HCA11001	Fundamentals of Computers	2	0	1	4	1	3	90
7	HS	TP	HLS11001	English and Communication Skills	2	0	1	4	1	3	90
8	VA	TH	HGH11008	Environmental Science & Sustainable Development	2	0	0	4	1	2	60
TOTAL					16	0	12	42	11	28	840

L-Lecture, T- Tutorial, P- Practical, C-Yearly Credits, S- Self study, TCH- Total Contact Hours

S. No.	Course Category	Course Type	Course Code	Course Title	L	T	P	C	S	TCH /week	Total hours
II YEAR											
1	BMS	TP	HCR11001	Basics of ECG	2	0	2	6	2	4	120
2	BMS	TP	HCR11002	Exercise ECG	2	0	4	8	2	6	180
3	BMS	TP	HCR11003	Pathology And Clinical Microbiology	2	0	2	6	2	4	120
4	PC	TP	HCR11004	Cardiac Catheterization Basics – I	2	0	2	6	2	4	120
5	BMS	TP	HCR11005	Medical electronic of CT	2	0	2	6	2	4	120
6	HS	PR	HLS11002	English for Competitive Examination	0	0	2	2	0	2	60
7	PC	PR	HCR11400	Clinical Training-I	0	0	6	4	0	6	180
TOTAL					10	0	20	38	10	30	900

L-Lecture, T- Tutorial, P- Practical, C-Yearly Credits, S- Self study, TCH- Total Contact Hours

S. No.	Course Category	Course Type	Course Code	Course Title	L	T	P	C	S	TCH /week	Total hours
III YEAR											
1	BMS	TP	HCR11006	Echo and Holter recording	2	0	4	8	1	6	180
2	PC	TP	HCR11007	Cardiac Catheterization – II	2	0	4	8	2	6	180
3	PC	TP	HCR11008	Advanced Cardiac Catheterization	2	0	2	6	2	4	120
4	PC	TH	HGH11005	Hospital and Patient Relation Management	2	0	0	4	1	2	60
5	BS	TP	HGH11009	Fundamentals of Research Methodology	2	0	2	6	1	4	120
6	BS	TH	HGH11006	AI in Healthcare	2	0	0	4	1	2	60
7	PC	PR	HCR11401	Clinical Training -II	0	0	6	4	0	6	180
TOTAL					12	0	18	40	8	30	900

L-Lecture, T- Tutorial, P- Practical, C-Yearly Credits, S- Self study, TCH- Total Contact Hours

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S. No.	Course Category	Course Type	Course Code	Course Title	L	T	P	C	S	TCH /week	Total hours
IV YEAR											
1	SI	IN	HCR11800	Internship	#	#	#	20	#	#	#
2	RP	PJ	HCR11801	Project	#	#	#	20	#	#	#
TOTAL					#	#	#	40	#	#	#
L-Lecture, T- Tutorial, P- Practical, C-Yearly Credits, S- Self study, TCH- Total Contact Hours											
# - Compulsory Internship for one year in hospitals & the evaluation will be done at the end of the year											

TOTAL CREDITS FOR FOUR YEAR PROGRAMME			
S. No.	Year	No. of Credits	
1	I	42	
2	II	38	
3	III	40	
4	IV	40	
TOTAL		160	

COURSE TYPE		No. of Credits
Theory with Practical	TP	90
Theory	TH	20
Practical	PR	10
Internship	IN	20
Project	PJ	20
TOTAL		160

COURSE CATEGORY		No. of Credits
BMS	Basic Medical Science	64
VA	Value Added	4
HS	Humanities & Social Science	6
BS	Basic Science	14
PC	Professional Course	32
SI	Summer Internship	20
RP	Research Project	20
TOTAL		160

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HITS-IMAX Coordinator

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Dean SoHS

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Director - IQAC

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Dean Academics

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Vice Chancellor