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Revision-1.1  
11.12.2025  
W.E.F: 2024-25 AY

**B.Sc. MEDICAL LABORATORY 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
<b>I YEAR</b>											
1	BMS	TH	HMT11001	Sociology	1	0	0	2	2	1	30
2	BMS	TH	HMT11002	Psychology	1	0	0	2	2	1	30
3	BMS	TP	HGH11002	Physiology	2	0	4	8	2	6	180
4	BMS	TP	HMT11003	Basic Chemistry and Biochemistry	2	0	2	6	2	4	120
5	BMS	TP	HMT11004	General Methodology	2	0	2	6	1	4	120
6	BMS	TH	HGH11004	Basic nursing care & medical terminologies	2	0	0	4	1	2	60
7	BS	TP	HCA11001	Fundamentals of Computers	2	0	2	6	1	4	120
8	HS	TP	HLS11001	English and Communication Skills	2	0	1	4	1	3	90
9	VA	TH	HGH11008	Environmental Science & Sustainable Development	2	0	0	4	1	2	60
<b>TOTAL</b>					<b>16</b>	<b>0</b>	<b>11</b>	<b>42</b>	<b>13</b>	<b>27</b>	<b>810</b>

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
<b>II YEAR</b>											
1	BMS	TP	HMT11005	Histopathology and Cytology Technique	2	0	4	8	2	6	180
2	BMS	TP	HMT11006	Clinical Biochemistry I	2	0	2	6	2	4	120
3	BMS	TP	HMT11007	Clinical Pathology and Basic Hematology	2	0	4	8	2	6	180
4	BMS	TH	HMT11008	Medical Physics	2	0	0	4	1	2	60
5	BMS	TP	HMT11009	Microbiology I, Immunology, Parasitology and Entomology	2	0	2	6	1	4	120
6	HS	PR	HLS11002	English for Competitive Examination	0	0	2	2	0	2	60
7	PC	PR	HMT11400	Clinical Postings I	0	0	9	6	0	9	270
<b>TOTAL</b>					<b>10</b>	<b>0</b>	<b>23</b>	<b>40</b>	<b>8</b>	<b>33</b>	<b>990</b>

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
<b>III YEAR</b>											
1	PC	TP	HMT11010	Coagulation and Transfusion Medicine	2	0	2	6	2	4	120
2	PC	TP	HMT11011	Clinical Biochemistry II	2	0	2	6	2	4	120
3	PC	TP	HMT11012	Microbiology II	2	0	2	6	1	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	HMT11401	Clinical Postings II	0	0	9	6	0	9	270
<b>TOTAL</b>					<b>12</b>	<b>0</b>	<b>17</b>	<b>38</b>	<b>8</b>	<b>29</b>	<b>870</b>

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

*Dr. Pushpamathi*

*M. M. M. M.*

*M. M. M. M.*

S. No.	Course Category	Course Type	Course Code	Course Title	L	T	P	C	S	TCH /week	Total hours
<b>IV YEAR</b>											
1	SI	IN	HMT11800	Internship Based Project	#	#	#	20	#	#	#
2	RP	PJ	HMT11801	Project	#	#	#	20	#	#	#
<b>TOTAL</b>					#	#	#	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											

<b>TOTAL CREDITS FOR FOUR YEAR PROGRAMME</b>		
S. No.	Year	No. of Credits
1	I	42
2	II	40
3	III	38
4	IV	40
<b>TOTAL</b>		<b>160</b>
<b>COURSE TYPE</b>		No. of Credits
Theory with Practical	TP	82
Theory	TH	24
Practical	PR	14
Internship	IN	20
Project	PJ	20
<b>TOTAL</b>		<b>160</b>
<b>COURSE CATEGORY</b>		No. of Credits
BMS	Basic Medical Science	60
VA	Value Added	4
HS	Humanities & Social Science	6
BS	Basic Science	16
PC	Professional Course	34
SI	Summer Internship	20
RP	Research Project	20
<b>TOTAL</b>		<b>160</b>

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**HITS-IMAX Coordinator**

*[Signature]*  
**Dean SoHS**

*[Signature]*  
**Director - IQAC**

*[Signature]*  
**Dean Academics**

*[Signature]*  
**Vice Chancellor**