

**Program Structure**  
**B.Sc. in Medical Radiology and Imaging Technology**

Course Code	Course Name	L	T	P	C
K1UC103B	Professional Communication-I	1.00	0.00	4.00	3.00
K1UC103B	Professional Communication-I	0.00	0.00	0.00	0.00
E1UA104L	Basic computers and information Science Practical	0.00	0.00	4.00	2.00
L1UK108T	Introduction to Healthcare Delivery System in India	1.00	0.00	0.00	1.00
L1UK101T	Medical Terminology and record keeping including anatomical terms	3.00	0.00	0.00	3.00
L1UK102T	Medical Law and Ethics	3.00	0.00	0.00	3.00
L1UK103T	Introduction to Quality and patient safety including Basic emergency care and life support skills Infection prevention and control Biomedical waste management Disaster management and Antibiotic resist	3.00	0.00	0.00	3.00
L1UK104T	Principals of Management	3.00	0.00	0.00	3.00
L1UK105T	Applied Physics	3.00	0.00	0.00	3.00
L1UK106L	Community orientation and clinical visit including related practical to course 001	0.00	0.00	4.00	2.00
L1UK107L	Professionalism and values	0.00	0.00	2.00	1.00
<b>Total</b>		<b>17</b>		<b>14</b>	<b>24</b>
<b>Semester II</b>					
Course Code	Course Name	L	T	P	C
L1UK201T	Human Anatomy and Physiology Part 1	4	0	0	4
L1UK202T	Basics Physics including Radiological Physics	4	0	0	4
L1UK203T	Conventional Radiography and equipment	4	0	0	4
L1UK204T	Radiographic and Image processing Techniques	4	0	0	4
L1UA205T	BMRIT Directed Clinical Postings – part I (15 Days)	0	0	4	2
L1UK206L	Basics Physics including Radiological Physics Practical	0	0	4	2
L1UK207L	Human Anatomy and Physiology Practical	0	0	4	2
O1UA203B	Professional Communication-II/Foreign language	1	0	2	3

	<b>Total</b>	17		14	<b>25</b>
<b>Semester-III</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
	Human Anatomy and Physiology including Pathology Part-2	4	0	0	4
	Clinical Radiography- Positioning Part 1	4	0	0	4
	Modern Radiological & Imaging Equipment including Physics	4	0	0	4
	Contrast & Special Radiography procedures	4	0	0	4
	Modern Radiological & Imaging Equipment including Physics Practical	0	0	4	2
	AI & Its Applications (Practical)	0	0	4	2
	Clinical Radiography- Positioning Practical	0	0	4	2
	<b>Total</b>	16		12	<b>22</b>
<b>Semester-IV</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
	Physics of Newer Imaging Modalities	3	0	0	3
	Clinical Radiography Positioning Part 2	4	0	0	4
	Newer Modalities Imaging Techniques including patient care	4	0	0	4
	Quality Control in Radiology and Radiation Safety	4	0	0	4
	BMRIT Directed Clinical Postings – part III (15 days)	0	0	4	2
	<b>Total</b>	15		4	<b>17</b>

<b>Semester-V</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
	Cross sectional anatomy and Physiology	4	0	0	4
	Physics of Advanced Imaging Technology	4	0	0	4
	Radiographic Techniques of Advanced Imaging Technology	4	0	0	4
	Regulatory Requirements in Diagnostic Radiology & Imaging, Act and rules, regulations for JCI, NABH, NABHR.	3	0	0	3
	BMRT Directed Clinical Postings – part IV (15 Days)	0	0	4	2
	<b>Total</b>	15	0	10	<b>17</b>
<b>Semester-VI</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
	Quality Assurance & Radiation Safety (AERB Guidelines) in Diagnostic Radiology Part 2	3	0	0	3
	Research methodology	3	0	0	3
	Hospital Practice & Care of Patients	3	0	0	3
	Seminars, Journal club & Group Discussions	0	0	4	2
	BRIT Directed Clinical Postings – part V (15 Days)	0	0	4	2
	Creativity, Innovation and Entrepreneurship & IPR	1	0	2	2
	<b>Total</b>	10	0	10	<b>15</b>
<b>Semester-VII</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
	MRIT Internship I	0	0	720	16

	Internship Seminar	0	0	0	2
				<b>Total</b>	<b>18</b>
<b>Semester-VIII</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
	MRIT Internship II	0	0	720	16
	Project	0	0	0	8
				<b>Total</b>	<b>24</b>
			Grand Total		<b>162</b>