Bachelor in Medical Radiology and Imaging Technology

SETS

SET 1

*The marks will be divided as specified under clause 25UGAHP 5.2 of the policy document

Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
							Theory		Practical		
			L	T	P		CAE*	ESE	INT	EXT	
BRT 101	Physics and Radiology Technology Basics	Major	3	1	0	4	40	60	-	-	100
BRT 102	Vital Signs and Management of Medical Emergencies	MC	1	0	0	1	40	60	-	-	100
BRT 103	Healthcare Delivery System	IDC	2	1	0	3	40	60	-	-	100
BRT 104	Digital Literacy	AEC	2	0	0	2	-	-	60	40	100
BRT 105	Communication Strategies	SEC	2	1	0	3	-	-	60	40	100
BRT 106	Environment Studies I	VAC	2	1	0	3	40	60	-	-	100
BRT 101P	Physics and Radiology Technology Basics Lab	Major	0	0	6	3	-	-	60	40	100
BRT 102P	Vital Signs and Management of Medical Emergencies Lab	MC	0	0	2	1	-	-	60	40	100
Total			12	4	8	20	160	240	240	160	800

*The marks will be divided as specified under clause 25UGAHP 5.2 of the policy document

Bachelor in Medical Radiology and Imaging Technology

	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
SET 2	BRT 201	Basic Radiographic Techniques and Safety	Major	3	1	0	4	40	60	-	-	100
	BRT 202	Infection Control and Biomedical Waste Management	MC	1	0	0	1	40	60	-	-	100
	BRT 203	Hospital Services	IDC	2	1	0	3	40	60	-	-	100
	BRT 204	Business Communication	AEC	2	1	0	3	-	-	60	40	100
	BRT 205	Job Ready Skills I	SEC	2	0	0	2	-	-	60	40	100
	BRT 206	Environmental Studies II	VAC	2	1	0	3	40	60	-	-	100
	BRT 201P	Basic Radiographic Techniques and Safety Lab	Major	0	0	6	3	-	-	60	40	100
	BRT 202P	Infection Control and Biomedical Waste Management Lab	MC	0	0	2	1	-	-	60	40	100
	Total			12	4	8	20	160	240	240	160	800

SET 2

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Bachelor in Medical Radiology and Imaging Technology

	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
SET 3	BRT 301	Advanced Radiographic Techniques and Documentation	Major	5	1	0	6	40	60	-	-	100
	BRT 302	Quality Assurance in Radiology	MC	2	0	0	2	40	60	-	-	100
	BRT 303	Medical Law and Ethics	IDC	2	1	0	3	40	60	-	-	100
	BRT 304	Sales and Marketing	AEC	2	1	0	3	-	-	60	40	100
	BRT 305	Job Ready Skills II	SEC	2	0	0	2	-	-	60	40	100
	BRT 301P	Advanced Radiographic Techniques and Documentation Lab	Major	0	0	8	4	-	-	60	40	100
		Total		13	3	8	20	120	180	180	120	600

SET 3

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SET 4

Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
							Theory		Practical		
			L	T	P		CAE	ESE	INT	EXT	
BRT 401	Equipment Management and Specialised Imaging Techniques	Major	5	3	0	8	40	60	-	-	100
BRT 402	Radiation Therapy	MC	5	1	0	6	40	60	-	-	100
BRT 403	Leadership Skills for Business Success	AEC	2	0	0	2	-	-	60	40	100
BRT 401P	Equipment Management and Specialised Imaging Techniques Lab	Major	0	0	8	4	-	-	60	40	100
	Total		12	4	8	20	80	120	120	80	400

(SET 4 spans all course rows in the first column.)

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SET 5

| SET 5 | Course Code | Course Name | Course Type | Periods | | | Total Credits | Evaluation Scheme | | | | Subject Total |
| | | | | L | T | P | | Theory | | Practical | | |
								CAE	ESE	INT	EXT	
	BRT 501	MRIT On the Job Training I	Major/MC/SI	0	0	40	20	-	-	60	40	100
		Total		0	0	40	20	-	-	60	40	100

SET 6

| SET 6 | Course Code | Course Name | Course Type | Periods | | | Total Credits | Evaluation Scheme | | | | Subject Total |
| | | | | L | T | P | | Theory | | Practical | | |
								CAE	ESE	INT	EXT	
	BRT 601	MRIT On the Job Training II	Major/MC/SEC	0	0	40	20	-	-	60	40	100
				0	0	40	20	-	-	60	40	100
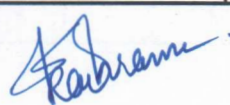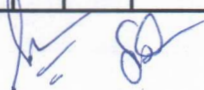
SET 7

| SET 7 | Course Code | Course Name | Course Type | Periods | | | Total Credits | Evaluation Scheme | | | | Subject Total |
| | | | | L | T | P | | Theory | | Practical | | |
								CAE	ESE	INT	EXT	
	BRT 701	MRIT On the Job Training III	Major/MC	0	0	40	20	60	40			100
		Total		0	0	40	20	60	40			100

Bachelor in Medical Radiology and Imaging Technology

SET 8

SET 8	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BRT 801	MRIT On the Job Training IV	Major/M C	0	0	40	20	-	-	60	40	100
		Total		0	0	40	20	-	-	60	40	100

Bachelor in Medical Radiology and Imaging Technology

LEVEL 4.5

Candidates choosing the level 4.5 exit will study set 1 in semester I and set 5 in semester II

All candidates will be enrolled in the highest course.

Semester - I (Candidate will study set 1)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BRT 101	Physics and Radiology Technology Basics	Major	3	1	0	4	40	60	-	-	100
	BRT 102	Vital Signs and Management of Medical Emergencies	MC	1	0	0	1	40	60	-	-	100
	BRT 103	Healthcare Delivery System	IDC	2	1	0	3	40	60	-	-	100
	BRT 104	Digital Literacy	AEC	2	0	0	2	-	-	60	40	100
	BRT 105	Communication Strategies	SEC	2	1	0	3	-	-	60	40	100
	BRT 106	Environmental Studies I	VAC	2	1	0	3	40	60	-	-	100
	BRT 101P	Physics and Radiology Technology Basics Lab	Major	0	0	6	3	-	-	60	40	100
	BRT 102P	Vital Signs and Management of Medical Emergencies Lab	MC	0	0	2	1	-	-	60	40	100
		Total		12	4	8	20	160	240	240	160	800

*Digital Literacy and Communication Strategies assessment will be practical viva based.

Bachelor in Medical Radiology and Imaging Technology

1. **If a candidate wants to exit for an UG Certificate after Semester I, then this SES will be followed for Semester II.**
2. **An exit request can be raised maximum before the start of Semester II.**
3. **In case a candidate raises a request for exit post the above-mentioned timeline, they can only opt for the next available exit stage.**
4. **If a candidate does not wish to either opt for the next available exit stage or continue with the program, no qualification to be awarded to the candidate.**
5. **Candidates to pass all previous exams of all previous semesters in order to be eligible for the internship semester.**
6. **In case a candidate fails in any of the exams in any semester, s/he will get a chance to re-appear for the exams every six months.**

Semester-II (Candidate will study set 5)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BRT 501	MRIT On the Job Training I	Major/MC/SI	0	0	40	20	-	-	60	40	100
		Total		0	0	40	20	-	-	60	40	100

Candidates exiting the programme after securing 40 credits will be awarded a UG Certificate (Medical Radiology and Imaging Techniques) provided they secure 4 credits in work-based vocational courses offered during the summer term or an internship / Apprenticeship in addition to 6 credits from skill-based courses earned during the first and second semester.

Bachelor in Medical Radiology and Imaging Technology

LEVEL 5

Candidates choosing the level 5 exit will study set 1 in semester I, set 2 in semester II, set 5 in semester III, and set 6 in semester IV

If a candidate wants to continue after Semester I, then this SET will be followed for Semester II

Semester- II (Candidate will study set 2)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BRT 201	Basic Radiographic Techniques and Safety	Major	3	1	0	4	40	60	-	-	100
	BRT 202	Infection Control and Biomedical Waste Management	MC	1	0	0	1	40	60	-	-	100
	BRT 203	Hospital Services	IDC	2	1	0	3	40	60	-	-	100
	BRT 204	Business Communication	AEC	2	1	0	3	-	-	60	40	100
	BRT 205	Job Ready Skills I	SEC	2	0	0	2	-	-	60	40	100
	BRT 206	Environmental Studies II	VAC	2	1	0	3	40	60	-	-	100
	BRT 201P	Basic Radiographic Techniques and Safety Lab	Major	0	0	6	3	-	-	60	40	100
	BRT 202P	Infection Control and Biomedical Waste Management Lab	MC	0	0	2	1	-	-	60	40	100
		Total		12	4	8	20	160	240	240	160	800

*Business Communication and Job Ready Skills I assessment will be practical viva based.

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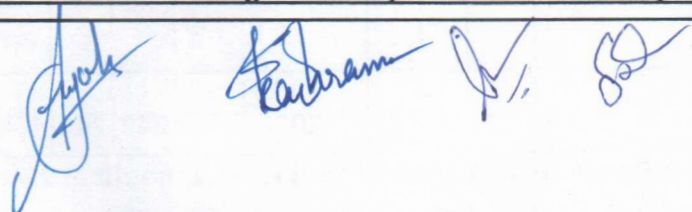P: 07104-236102 I E : ghrstun@ghrstu.edu.in I www.ghrstu.edu.in

Bachelor in Medical Radiology and Imaging Technology

1. **If a candidate wants to exit for an UG Diploma after Semester II, then this SES will be followed for Semester III and Semester IV.**
2. **An exit request can be raised maximum before the start of Semester III.**
3. **In case a candidate raises a request for exit post the above-mentioned timeline, they can only opt for the next available exit stage.**
4. **If a candidate does not wish to either opt for the next available exit stage or continue with the program, no qualification to be awarded to the candidate.**
5. **Candidates to pass all previous exams of all previous semesters in order to be eligible for the internship semester.**
6. **In case a candidate fails in any of the exams in any semester, s/he will get a chance to re-appear for the exams every six months.**

Semester-III (Candidate will study set 5)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BRT 501	MRIT On the Job Training I	Major/MC/SI	0	0	40	20	-	-	60	40	100
		Total		0	0	40	20	-	-	60	40	100

Semester-IV (Candidate will study set 6)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BRT 601	MRIT On the Job Training II	Major/MC/SEC	0	0	40	20	-	-	60	40	100
		Total		0	0	40	20	-	-	60	40	100

Candidates exiting the programme after securing 80 credits will be awarded a UG Diploma (Medical Radiology and Imaging Techniques) provided they secure an additional 4 credits in skill-based vocational courses offered during the first year or the second year summer term.
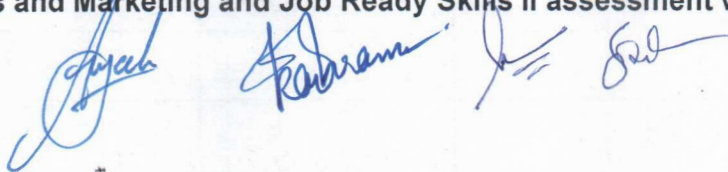
Bachelor in Medical Radiology and Imaging Technology

LEVEL 5.5

Candidates choosing the level 5.5 exit will study set 1 in semester 1, set 2 in semester II, set 3 in semester III, set 5 in semester IV, set 6 in semester V, and set 7 in semester VI.
If a candidate wants to continue after Semester II, then this SET will be followed for Semester III.

Semester-III (Candidate will study set 3)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BRT 301	Advanced Radiographic Techniques and Documentation	Major	5	1	0	6	40	60	-	-	100
	BRT 302	Quality Assurance in Radiology	MC	2	0	0	2	40	60	-	-	100
	BRT 303	Medical Law and Ethics	IDC	2	1	0	3	40	60	-	-	100
	BRT 304	Sales and Marketing	AEC	2	1	0	3	-	-	60	40	100
	BRT 305	Job Ready Skills II	SEC	2	0	0	2	-	-	60	40	100
	BRT 301P	Advanced Radiographic Techniques and Documentation Lab	Major	0	0	8	4	-	-	60	40	100
Total				13	3	8	20	120	180	180	120	600

*Sales and Marketing and Job Ready Skills II assessment will be practical viva based.

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Bachelor in Medical Radiology and Imaging Technology

1.
2. If a candidate wants to exit for 3 year UG programme after Semester III, then this SES will be followed for Semester IV, Semester V and Semester VI.
3. An exit request can be raised maximum before the start of Semester IV.
4. In case a candidate raises a request for exit post the above-mentioned timeline, they can only opt for the next available exit stage.
5. If a candidate does not wish to either opt for the next available exit stage or continue with the program, no qualification to be awarded to the candidate.
6. Candidates to pass all previous exams of all previous semesters in order to be eligible for an internship semester.
7. In case a candidate fails in any of the exams in any semester, s/he will get a chance to re-appear for the exams every six months.

Semester-IV (Candidate will study set 5)	Course Code	Course Name	Course Type	Periods			Total Credits	Theory		Practical		Subject Total
				L	T	P		CAE	ESE	INT	EXT	
	BRT 501	MRIT On the Job Training I	Major/MC/SI	0	0	40	20	-	-	60	40	100
		Total		0	0	40	20	-	-	60	40	100

Semester-V (Candidate will study set 6)	Course Code	Course Name	Course Type	Periods			Total Credits	Theory		Practical		Subject Total
				L	T	P		CAE	ESE	INT	EXT	
	BRT 601	MRIT On the Job Training II	Major/MC/SEC	0	0	40	20	-	-	60	40	100
		Total		0	0	40	20	-	-	60	40	100

Semester-VI (Candidate will study set 7)	Course Code	Course Name	Course Type	Periods			Total Credits	Theory		Practical		Subject Total
				L	T	P		CAE	ESE	INT	EXT	
	BRT 701	MRIT On the Job Training III	Major/MC	0	0	40	20	-	-	60	40	100

Bachelor in Medical Radiology and Imaging Technology

		Total									
			0	0	40	20	-	-	60	40	100

Candidates who want to undertake a 3-year UG programme will be awarded a Bachelor of Science (Medical Radiology and Imaging Techniques) degree upon securing 120 credits
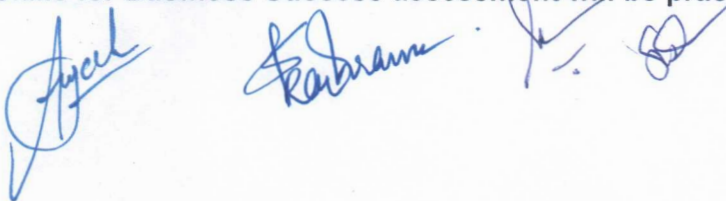
Bachelor in Medical Radiology and Imaging Technology

LEVEL 6

Candidates choosing the level 6 exit will study set 1 in semester I, set 2 in semester II, set 3 in semester III, set 4 in semester IV, set 5 in semester V, set 6 in semester VI, set 7 in semester VII and set 8 in semester VIII

If a candidate wants to continue after Semester III, then this SET will be followed for Semester IV.

Semester - IV (Candidate will study set 4)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BRT 401	Equipment Management and Specialised Imaging Techniques	Major	5	3	0	8	40	60	-	-	100
	BRT 402	Radiation Therapy	MC	5	1	0	6	40	60	-	-	100
	BRT 403	Leadership Skills for Business Success	AEC	2	0	0	2	-	-	60	40	100
	BRT 401P	Equipment Management and Specialised Imaging Techniques Lab	Major	0	0	8	4	-	-	60	40	100
		Total		12	4	8	20	80	120	120	80	400

*Leadership Skills for Business Success assessment will be practical viva based.

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- **Candidates to pass all previous exams of all previous semesters in order to be eligible for the internship semester.**
- **In case a candidate fails in any of the exams in any semester, s/he will get a chance to re-appear for the exams every six months.**

Semester-V (Candidate will study set 5)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BRT 501	MRIT On the Job Training I	Major/MC/SI	0	0	40	20	-	-	60	40	100
		Total		0	0	40	20	-	-	60	40	100

Semester-VI (Candidate will study set 6)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BRT 601	MRIT On the Job Training II	Major/MC/SEC	0	0	40	20	-	-	60	40	100
		Total		0	0	40	20	-	-	60	40	100

Semester - VII (Candidate will study set 7)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BRT 701	MRIT On the Job Training II	Major/MC	0	0	40	20	-	-	60	40	100
		Total		0	0	40	20	-	-	60	40	100

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Semester-VIII (Candidate will study set 8)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BRT 801	MRIT On the Job Training IV	Major/MC	0	0	40	20	-	-	60	40	100
		Total		0	0	40	20	-	-	60	40	100

Candidates will be awarded a Bachelor in Medical Radiology and Imaging Technology degree provided they secure 160 credits

Course Type Abbreviations:

Major: Major Courses

MC: Minor Courses

IDC: Inter-Disciplinary Courses

AEC: Ability Enhancement Courses

SEC: Skill Enhancement Courses

VAC: Common Values Added Courses

SI: Summer Internship