
Radiotherapy Technologists Courses in India

Contents

A. Qualification Requirement.....	1
B. AERB Assessed Training Courses	1
C. Important Instruction.....	14
D. Application for assessment of Radiotherapy Technologist Course.....	15
E. Syllabus pertaining to safety requirements for Technologist’s course in Radiotherapy	25

A. Qualification Requirement

The qualification stipulated for radiation therapy technologist in AERB safety code AERB/RF-SC/MED-1 (rev.1), 2011 is as follows:

- i. 10+2 or equivalent examination with science subject from a recognized university or board

&

- ii. 2 years radiation therapy technologist course or equivalent based on the minimum course content prescribed by the competent authority passed from a recognized institution with infield training in radiotherapy.

Further, the candidates who have already successfully completed the Radiation Safety Certification Program for Radiotherapy Technologists conducted by RP & AD, BARC and obtained the radiation professional registration number in e-LORA are also eligible to work as a radiotherapy technologists in the country.

B. AERB Assessed Training Courses

List of Institutions/Universities conducting Radiotherapy Technologist training courses which are in accordance with AERB requirements as on December, 2020 are given in the Annexure-I.

Annexure-I

Sr. No.	Name of the institute	Course Name	Affiliation
1.	Sri Venkateswara Institute of Medical Sciences University(SVIMS) Tirupati-517507 Andhra Pradesh	Diploma in Radiotherapy Technology (DRT)	SVIMS, Tirupati (Deemed University)
2.	Yashoda Institute of Paramedical Sciences, Hyderabad-500082 Andhra Pradesh (Course conducting radiotherapy center is Yashoda Super Speciality Hospital, Hyderabad)	Diploma in Radiotherapy Technician (DRT) (Certificate from Yashoda Super Speciality Hospital, Hyderabad need to be submitted mentioning that the candidate was a student of the institute for the radiotherapy technologists course and the candidate has also completed all the practical training required during the course in the institute.	Telangana Para Medical Board,Hyderabad, Telangana
3.	Nizams Institute of Medical Sciences(NIMS) Hyderabad-500082 Andhra Pradesh	Post Graduate Diploma in Radiation Therapy Technology	NIMS, Hyderabad (Deemed University)
4.	GSL Paramedical Institutions Rajahmundry-533105 Andhra Pradesh Formerly known as: GSL Trust Cancer Hospital & Research Centre, Rajahmundry-533105 Andhra Pradesh	Diploma in Radiotherapy Technician(DRT)	Andhra Pradesh Para Medical Board,Hyderabad, Andhra Pradesh

5.	M.N.J. Institute of Oncology Hyderabad-500004 Andhra Pradesh	Diploma in Radiotherapy Technician (DRT)	Telangana Para Medical Board,Hyderabad, Telangana
6.	Medwin Institute of Medical Sciences Hyderabad-500001 Andhra Pradesh (Presently course is stopped. The Radiotherapy facility at Medwin Institute is not functioning since March 2017. Candidates admitted to the RTT course after March 2017 need to submit a certificate from a radiotherapy facility mentioning therein that the candidate have undergone all the required practical training during the course.	Diploma in Radiotherapy Technician	Telangana Para Medical Board,Hyderabad, Telangana
7.	Basavatarakam Indo- American Cancer Hospital & Research Institute Hyderabad-500034 Andhra Pradesh (Institute name: Indo- American Cancer Hospital & Research Institute, Hyderabad is also acceptable).	Diploma in Radiotherapy Technician (DRT)	Telangana Para Medical Board,Hyderabad, Telangana
8.	Sri Venkateswara Institute of Medical Sciences University(SVIMS) Tirupati-517507 Andhra Pradesh	B.Sc. Radiotherapy technology	Sri Venkateswara Institute of Medical Sciences University(Deemed University) Tirupati-517507 Andhra Pradesh
9.	Apollo Medskills Limited Jubilee Hills, Hyderabad-500033 Telangana	Diploma in Radiotherapy Technician (DRT) (The candidate need to submit a letter issued by	Telangana Para Medical Board,Hyderabad, Telangana

		Apollo Cancer Hospital, Hyderabad indicating that the candidate has undergone all the required practical training for the Radiotherapy Technologist's course at their institute)	
10.	Dr. B. Borooah Cancer Institute, Gopinath Nagar Guwahati-781016 Assam	Two Years Diploma in Radiotherapy Technology (DRTT)	Srimanta Sankardeva University of Health Sciences, Guwahati, Assam
11.	Dr. B. Borooah Cancer Institute, Gopinath Nagar Guwahati-781016 Assam	Post Graduate Programme in Radiotherapy Technology (PGDRTT)	Gauhati University, Guwahati, Assam
12.	Indira Gandhi Institute of Medical Sciences (IGIMS), Regional Cancer Centre Patna-800014 Bihar	Diploma in Medical Radiotherapy Technology (DMRT)	IGIMS, Patna (Deemed University)
13.	Indira Gandhi Institute of Medical Sciences (IGIMS), Regional Cancer Centre Patna-800014 Bihar	Bachelor of Medical Radiotherapy Technology	IGIMS, Patna (Deemed University)
14.	Mahavir Cancer Sansthan Patna-801505 Bihar	Diploma in Radiotherapy Technology (DRT)	Aryabhatta Knowledge University, Patna, Bihar
15.	Postgraduate Institute of Medical Education and Research (PGIMER) Chandigarh-160012 Chandigarh	B.Sc Medical Technology (Radiotherapy) B.Sc . (MRT)	PGIMER, Chandigarh (Deemed University)

16.	Pt. J. N. M. Medical College & Dr. B.R. Ambedkar Memorial Hospital Raipur-492001 Chhattisgarh	M.Sc (Radiotherapy Technology)M.Sc. (RTT)	Ayush and Health Sciences University of Chhattisgarh,
17.	All India Institute Of Medical Sciences, Raipur- 492099 Chhattisgarh	Advanced Diploma in Radiotherapy Technology (ADRT)	All India Institute Of Medical Sciences, Raipur- 492099 Chhattisgarh
18.	Rajiv Gandhi Cancer Institute & Res. Centre New Delhi-110085 Delhi	B.Sc. Medical Technology (Radiotherapy) (BMRT)	Guru Gobind Singh Indraprastha University, New Delhi
19.	Charutar Arogya Mandal (CAM) Institute of Allied Health Sciences & Technology Karamsad-388325 Gujarat (Formerly known as: Smt. L. P. Patel Institute of Medical Laboratory Technology, Shri Krishna Hospital & Research Centre Karamsad-388325 Gujarat)	B.Sc. Medical Technology (Radiotherapy) [B.Sc.-MT(RTT)]	Bhaikaka University Karamsad, Gujarat Formerly : Sardar Patel University Vallabh Vidyanagar, Gujarat
20.	Gujarat Cancer & Research Centre, Ahmedabad-380016 Gujarat	Course in Medical Radiotherapy Technology (CMRT)	Technical Examination Board, Gandhinagar, Gujarat
21.	Pt. B.D. Sharma P G Institute of Medical Sciences Rohtak-124001 Haryana	Three Year Diploma in Radiography & Radiotherapy Technology	Pt. B.D. Sharma University of Health Sciences, Rohtak, Haryana
22.	Pt. B.D. Sharma P G Institute of Medical Sciences Rohtak-124001 Haryana	B.Sc In Radiotherapy Technology Course	Pt. B.D. Sharma University of Health Sciences, Rohtak, Haryana

23.	M.M Institute of Medical Sciences and Research, Ambala-133207, Haryana	B.Sc. Medical Technology – Radiotherapy	Maharshi Markandeshwar (deemed to be) University, Ambala-133207, Haryana
24.	Regional Cancer Centre, Indira Gandhi Medical College Shimla-171001 Himachal Pradesh	B.Sc. Medical Tech. (Radio-diagnosis & Radiotherapy)	Himachal Pradesh University, Shimla, Himachal Pradesh
25.	Govt. Medical College, DR RPGMC KANGRA AT TANDA Kangra- 176001, Himachal Pradesh	B.Sc. Radiodiagnosis and Radiotherapy	Himachal Pradesh University, Shimla, Himachal Pradesh
26.	Sher-i-Kashmir Institute of Medical Sciences (SKIMS) Srinagar-190011 Jammu & Kashmir	B.Sc Radiation Technology B.Sc (RT)	SKIMS, Srinagar (Deemed University)
27.	Manipal College of Health Professions, (Formerly known as Kasturba Hospital, Manipal) Manipal-576104 Karnataka	B.Sc in Medical Radiotherapy Technology [B.Sc. MRT] (Certificate from Kasturba Hospital, Manipal need to be submitted mentioning that the candidate was a student of the institute for the radiotherapy technologists course and the candidate has also completed all the practical training required during the course their radiotherapy facility.	Manipal Academy Of Higher Education, Manipal, Karnataka (Formerly known as Manipal University, Manipal, Karnataka)

28.	Manipal College of Health Professions (Formerly Known as Kasturba Hospital, Mangalore) Mangalore-575001 Karnataka	Bachelor of Science in Medical Radiotherapy Technology [B.Sc. MRT] (Certificate from Kasturba Hospital, Mangalore need to be submitted mentioning that the candidate was a student of the institute for the radiotherapy technologists course and the candidate has also completed all the practical training required during the course their radiotherapy facility.	Manipal Academy Of Higher Education, Manipal, Karnataka (Formerly known as Manipal University, Manipal, Karnataka)
29.	Father Muller Medical College & Hospital Mangalore-575002 Karnataka	B.Sc. Radiotherapy[B.Sc. (RT)]	Rajiv Gandhi University of Health Sciences, Bangalore, Karnataka
30.	HCG-Bangalore Institute of Oncology Bangalore-560027 Karnataka <i>(Previously known as Bangalore Institute of Oncology)</i>	B.Sc. Radiotherapy[B.Sc. (RT)]	Rajiv Gandhi University of Health Sciences, Bangalore, Karnataka
31.	Manipal Hospital Bangalore-560017 Karnataka	Bachelor of Science in Medical Radiotherapy Technology [B.Sc. MRT]	Manipal University, Manipal, Karnataka
32.	Kidwai Memorial Institute of Oncology Bangalore-560029 Karnataka	B.Sc. Radiotherapy [B.Sc.(RT)]	Rajiv Gandhi University of Health Sciences, Bangalore, Karnataka

33.	Narayana Hrudayalaya Institute of Medical sciences, Bangalore-560099 Karnataka	B.Sc. Radiotherapy [B.Sc.(RT)]	Rajiv Gandhi University of Health Sciences, Bangalore,Karnataka
34.	Victoria Hospital Banglore Medical Collage & Research Institute Bangalore-560 002 Karnataka	B.Sc. Radiotherapy [B.Sc.(RT)]	Rajiv Gandhi University of Health Sciences, Bangalore,Karnataka
35.	Bangalore Baptist Hospital Bellary Road, Hebbal Bangalore-560024 Karnataka	B.Sc. in Radiotherapy [B.Sc.(RT)]	Rajiv Gandhi University of Health Sciences, Bangalore,Karnataka
36.	School of Allied Health Sciences Manipal-575 104 Karnataka	B.Sc Medical Radiotherapy Technology (B.Sc MRT)	Manipal University Manipal,Karnataka
37.	R. L. Jalappa Hospital & Research Centre (A Teaching Hospital of Sri DevarajUrs Medical College) Tamaka, Kolar – 563 101, Karnataka	B.Sc. (Radiotherapy Technology)	Sri DevrajUrs Academy of Higher Education & Research Tamaka,Kolar , Karnataka (A Deemed University)
38.	A J Institute of Medical Sciences & research Centre, Kuntikana, Mangaluru- 575004 Karnataka	B.Sc. Radiotherapy	Rajiv Gandhi University of Health Sciences, Bangalore,Karnataka
39.	Sri Shankara Institute of Allied Health Sciences (A unit of Sri Shankara Cancer Center Foundation), Bangalore-560004, Karnataka	B.Sc Radiotherapy Technology	Rajiv Gandhi University of Health Sciences, Bangalore,Karnataka
40.	Justice K.S. Hegde Charitable Hospital, Mangalore-575018 Karnataka	Bachelor of Science in Radiotherapy Technology (BSc RTT)	Nitte (Deemed to be) University, Mangalore, Karnataka

41.	St. John's Medical College, Bangalore-560034 Karnataka	B.Sc Radiotherapy	Rajiv Gandhi University of Health Sciences, Bangalore, Karnataka
42.	Yenepoya Medical College Hospital Yenepoya University, Mangalore-575018 Karnataka	B.Sc. Radiotherapy Technology	YENEPOYA deemed to be UNIVERSITY, MANGALORE, Karnataka
43.	KLES Dr Prabhakar Kore Hospital and MRC Belgaum-590010 Karnataka	B. Sc in Radiation Therapy technology	KLE Academy of Higher Education and Research, Belagavi, Karnataka
44.	School of Medical Education, Centre for Professional and Advanced Studies, Gandhinagar, Kottayam Formerly known as: Mahatma Gandhi University Kottayam-686008 Kerala	B.Sc in Medical Radiological Technology B.Sc (MRT)	Kerala University of Health Sciences, Thrissur Formerly known as: Mahatma Gandhi University, Kottayam (Deemed University)
45.	Amrita Institute of Medical Sciences & Research Centre Kochi-682041 Kerala	Bachelor of Science- Medical Radiologic Technology(B.Sc- MRT)	AmritaVishwa VidyapeethamAmritaNagar, Coimbatore, Tamilnadu
46.	Malabar cancer Centre Kannur-670103 Kerala	Bachelor of Science in Medical Radiological Technology [B.Sc(M.R.T)]	Kannur University, Kannur Kerala
47.	Malabar cancer Centre [From Session (2013-2017) onwards] Kannur-670103 Kerala	Bachelor of Science in Medical Radiological Technology [B.Sc(M.R.T)]	Kerala University of Health Sciences, Thrissur
48.	Baby Memorial College of Allied Health Sciences Indira Gandhi Road KOZHIKODE-673004 Kerala	Bachelor of Science in Medical Radiological Technology [B.Sc(M.R.T)]	Kerala University of Health Sciences, Thrissur

49.	Govt. Medical College, Thrissur-680596, Kerala	Diploma in Radiodiagnosis and Radiotherapy Technology	Directorate of Medical Education, Thiruvananthapuram, Kerala
50.	Govt. T.D. Medical College, Alapuzha-6888005, Kerala	Diploma in Radiodiagnosis and Radiotherapy Technology	Directorate of Medical Education, Thiruvananthapuram, Kerala
51.	Govt. Medical College Thiruvananthapuram – 695011 Kerala	Diploma in Radiodiagnosis and Radiotherapy Technology	Directorate of Medical Education, Thiruvananthapuram, Kerala
52.	Govt. Medical College Kottayam – 686008 Kerala	Diploma in Radiodiagnosis and Radiotherapy Technology	Directorate of Medical Education, Thiruvananthapuram, Kerala
53.	M.G.M. Medical College (Government Cancer Hospital), Indore-452001 Madhya Pradesh	Diploma in Radiotherapy Technician	M.P Medical Science University, Jabalpur, Madhya Pradesh
54.	Tata Memorial Hospital Mumbai-400012 Maharashtra	Advance Diploma in Radiotherapy Technology(ADRT T)	Maharashtra State Board of Technical Education,Mumbai, Maharashtra
55.	Rashtra Sant Tukdoji Cancer Hospital & Research Centre Nagpur-440027 Maharashtra	Advance Diploma in Radiotherapy Technology (ADRTT)	Maharashtra State Board of Technical Education,Mumbai, Maharashtra
56.	School of Medical Assistant, INHS Asvini Mumbai-400005 Maharashtra	Diploma in Paramedical Technology in Radiotherapy Technician	Maharashtra University of Health Sciences, Nashik, Maharashtra
57.	Armed Forces Medical College(Command Hospital (Southern Command) Pune-411040 Maharashtra	Bachelor of Paramedical Technology (Radiotherapy) Course	Maharashtra University of Health Sciences, Nashik, Maharashtra

58.	Govt. Medical College & Hospital Nagpur-440003 Maharashtra	Bachelor of Paramedical Technology (Radiotherapy) Course	Maharashtra University of Health Sciences, Nashik, Maharashtra
59.	Govt. Medical College Hospital Aurangabad-431001 Maharashtra	Bachelor of Paramedical Technology (Radiotherapy) Course	Maharashtra University of Health Sciences, Nashik, Maharashtra
60.	Symbiosis Institute of Health Sciences Senapati Bapat Road Pune-411 004 Maharashtra	B.Sc (Radiotherapy) Course With a letter issued by Deenanath Mangeshkar Hospital, Pune indicating that the candidate has undergone all the required practical training for the Radiotherapy Technologist's course at their institute.	Symbiosis International University, Pune, Maharashtra
61.	Grant Medical College & Sir J.J. Group of Hospitals (Cama & Alibless Hospital, Mumbai)-400008 Maharashtra	Bachelor of Paramedical Technology (Radiotherapy Technician) course A certificate issued by Cama Hospital, Mumbai need to be submitted mentioning that the candidate was a student of Radiotherapy Technologist's course at their	Maharashtra University of Health Sciences, Nashik, Maharashtra

		institute and has completed all the practical training during the course in the institute.	
62.	Pravara Rural Hospital & Medical College, Loni, Ahmednager-412736 Maharashtra	B.Sc. Radiotherapy Technology (B.Sc. RTT)	Pravara Institute of Medical Sciences (Deemed University), Ahmednager-412736 Maharashtra
63.	Datta Meghe Institute Of Medical Sciences Wardha-442001 Maharashtra	M.Sc. Radiotherapy Technology	Datta Meghe Institute of Medical Science (Deemed to be University), Wardha, Maharashtra
64.	Datta Meghe Institute Of Medical Sciences Wardha-442001 Maharashtra	B.Sc Radiotherapy Technology course	Datta Meghe Institute of Medical Science (Deemed to be University), Wardha, Maharashtra
65.	Christian Insitute of Health Sciences and Research, Dimapur-797115 Nagaland	B.Sc in Radiotherapy Technology (B.Sc.RTT)datta	Nagaland University, Nagaland
66.	All India Institute of Medical Sciences, Sijua P.O Dumduma, Bhubaneswar-751019 Odisha	BSc(H) Medical Technology in Radiotherapy	All India Institute of Medical Sciences, Bhubaneswar
67.	Acharya Harihar Post-Graduate Institute Of Cancer (AHPGIC), Cuttack-753007 Odisha	Diploma in Radiation Therapy Technology (DRTT)	State Council for Allied Medical Sciences (SCAMC), Odisha
68.	Sadguru College of Allied Medical Sciences, Cuttack-754021 Odisha	Diploma in Radiation Therapy Technology (DRTT)	Directorate of Medical Education and Training, Odisha.

69.	Kalinga Institute Of Medical Sciences, Bhubaneswar-751024 Odisha	B.Sc in Medical Radiation Technology (BMRT)	Directorate of Medical Education & Training, Odisha
70.	All India Institute Of Medical Sciences, Bhopal-462024 Madhya Pradesh	B.Sc. Radiotherapy Technology	All India Institute Of Medical Sciences, Bhopal-462024 Madhya Pradesh
71.	Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER) Pondicherry-605006 Pondicherry	B.Sc. Radiotherapy Techn ology	JIPMER, Pondicherry (Deemed University)
72.	Homi Bhabha Cancer Hospital (Tata Memorial Centre) District Civil Hospital Sangrur-400 012 Punjab	B.Sc (Radiotherapy) Technology Course	Baba Farid University of Health Sciences Faridkot,Punjab
73.	Guru Gobind Singh Medical College Faridkot-151203 Punjab	B.Sc. in Radiotherapy Technology [B.Sc.(RT)]	Baba Farid University of Health Sciences ,Faridkot, Punjab
74.	Christian Medical College Ludhiana-141008 Punjab	B.Sc. in Radiotherapy Technology [B.Sc.(RT)]	Baba Farid University of Health Sciences, Faridkot, Punjab
75.	Govt. Medical College & S.G.T.B. Hospital Amritsar – 143 001 Punjab	B.Sc in Radiotherapy Technology [B.Sc (RT)] Course	Baba Farid University of Health Sciences Faridkot,Punjab
76.	Advanced Cancer Diagnostic Treatment & Research Centre Plot no. B 15, Industrial Growth Centre Mansa Road, Near Centrel University of Punjab Bhatinda – 151 001 Punjab	B.Sc in Radiotherapy Technology [B.Sc (RT)] Course	Baba Farid University of Health Sciences Faridkot, Punjab

77.	Sri Guru Ramdas Institute of Medical Sciences & Research Amritsar – 143501 Punjab	B.Sc. in Radiotherapy Technology	Sri Guru Ramdas University of Health Science Amritsar-143501 Punjab
78.	Mohandai Oswal Cancer Hospital, Ludhiana-141009 Punjab	B.Sc Radiotherapy Technology	I.K Gujral Punjab Technical University (IKG Punjab Technical University), Jalandhar-144603 Punjab
79.	Government Medical College, Patiala-147001 Punjab	B.Sc. in Radiotherapy Technology	Baba Farid University of Health Sciences Faridkot, Punjab
80.	S. M. S. Medical College and Assoc. Group of Hospital, Ramsingh Road Jaipur-302004 Rajasthan	B.Sc Radiation Technology B.Sc. (RT)	Rajasthan University of Health Sciences,Rajasthan
81.	Dr. S.N. Medical College, Jodhpur-342003 Rajasthan	B.Sc Radiation Technology B.Sc. (RT)	Rajasthan University of Health Sciences,Rajasthan
82.	Geetanjali Medical College & Hospital, Udaipur-313002 , Rajasthan	B.Sc. Radiotherapy Technology	Geetanjali University, Udaipur-313002 , Rajasthan
83.	Sardar Patel Medical College & Assoc. Gr. Of Hospitals, Bikaner- 334003 Rajasthan	B.Sc Radiation Technology B.Sc. (RT)	Rajasthan University of Health Sciences,Rajasthan
84.	All India Institute Of Medical Sciences, Jodhpur- 342005 Rajasthan	B.Sc (Hons.) Radiotherapy Technology	All India Institute of Medical Sciences Jodhpur Rajasthan.
85.	Mahatma Gandhi Institute of Allied Health Sciences, Jaipur- 302022 Rajasthan	B.Sc in Radiotherapy	Mahatma Gandhi University of Medical Sciences and Technology, Jaipur

86.	Apollo Speciality Hospital Chennai-600035 Tamil Nadu	Post Graduate Diploma in Radiotherapy Technology (PGDRT)	Alagappa University,Karaikudi, Tamil Nadu
87.	Apollo Hospital Enterprise Ltd., Chennai-600035 Tamil Nadu	B.Sc Radiotherapy Technology B.Sc. (RT)	The Tamilnadu Dr. M.G.R. Medical University, Chennai,Tamilnadu
88.	Christian Medical & Hospital, Vellore-632004 Tamil Nadu	B.Sc. in Radiotherapy Technology[B.Sc.(RT)]	The Tamilnadu Dr. M.G.R. Medical University, Chennai,Tamilnadu
89.	Cancer Institute, Adyar Chennai-600020 Tamil Nadu	B.Sc. in Radiotherapy Technology [B.Sc.(RT)]	The Tamilnadu Dr. M.G.R. Medical University, Chennai,Tamilnadu
90.	Government Mohan Kumaramangalam Medical College HospitalSalem- 636001 Tamil Nadu	Diploma in Radiotherapy Technology,(DRTT)	The Director of Medical Education,Chennai, Tamil Nadu
91.	Tirunelveli Medical College Tirunelveli-627011 Tamil Nadu	Diploma in Radiotherapy Technology,(DRTT)	The Director of Medical Education,Chennai, Tamil Nadu
92.	Madras Medical College, Barnard Institute of Radiology & Oncology Chennai-600003 Tamil Nadu	Diploma in Radiotherapy Technology (DRTT)	The Director of Medical Education,Chennai, Tamil Nadu
93.	Dr. Kamakshi Memorial Hospital Chennai-600100 Tamil Nadu	B.Sc. in Radiotherapy Technology[B.Sc.(RT)]	The Tamil Nadu Dr. M.G.R. Medical University Chennai, Tamil Nadu

94.	Govt. Rajaji Hospital & Madurai Medical College Madurai-625020 Tamil Nadu	Diploma in Radiotherapy Technology (DRTT)	The Director of Medical Education, Chennai, Tamil Nadu
95.	Madras Medical College & Govt. General Hospital Chennai-600003 Tamil Nadu	B.Sc. in Radiotherapy Technology [B.Sc.(RT)] Course	The Tamilnadu Dr. M.G.R. Medical University, Chennai, Tamilnadu
96.	Paterson Cancer Centre Chennai-600026 Tamil Nadu	B.Sc. in Radiotherapy Technology [B.Sc.(RT)] Course	The Tamilnadu Dr. M.G.R. Medical University, Chennai, Tamilnadu
97.	Kovai Medical Centre and Hospital Limited Coimbatore-641014 Tamil Nadu	B.Sc. in Radiotherapy Technology [B.Sc.(RT)] Course	The Tamilnadu Dr. M.G.R. Medical University, Chennai, Tamilnadu
98.	Government Kilpauk Medical Collage & Govt. Royapettah Hospital Chennai-600014 Tamil Nadu	Diploma in Radiotherapy Technology [D.R.T.T] Course	The Director of Medical Education, Chennai, Tamil Nadu
99.	Govt. Stanley Hospital Chennai-600001 Tamil Nadu	Diploma in Radiotherapy Technology [D.R.T.T] Course	The Director of Medical Education, Chennai, Tamil Nadu
100.	Coimbatore Medical Collage Hospital Coimbatore-641018 Tamil Nadu	Diploma in Radiotherapy Technology [D.R.T.T] Course	The Director of Medical Education, Chennai, Tamil Nadu
101.	PPG Institute of Allied Health Sciences (A unit of P Perichi Gounder Memorial Charitable Trust) Coimbatore-641035 Tamil Nadu	B.Sc Radiotherapy Technology	The Tamilnadu Dr. M.G.R. Medical University, Chennai-600032 Tamilnadu
102.	International Cancer Centre (Kanyakumari Medical Mission) Neyyoor-629802 Tamil Nadu	B.Sc Radiotherapy Technology	The Tamilnadu Dr. M.G.R. Medical University, Chennai-600032 Tamilnadu

103.	Sri Ramakrishna Hospital Coimbatore-641044 Tamil Nadu	B.Sc. Radiotherapy Technology	The Tamilnadu Dr. M.G.R Medical University, Chennai-600032 Tamilnadu
104.	Saveetha Medical College and Hospital, Chennai-602105, Tamil Nadu	B.Sc AHS (Radiotherapy Technogy)	Saveetha Institute of Medical and Technical Sciences, Chennai
105.	Sri Ramachandra Institute of Higher Education& Research, Porur, Chennai-600116, Tamilnadu	B.Sc (Hons.) Radiotherapy Technology Degree	Sri Ramachandra Institute of Higher Education& Research (Deemed to be University), Porur, Chennai
106.	Thanjavur Medical College Thanjavur-613004 Tamilnadu	Diploma in Radiotherapy Technology	The Director of Medical Education,Chennai, Tamil Nadu
107.	Government Kilpauk Medical College And Hospital, Chennai-600010 Tamil Nadu	B.Sc. Radiotherapy Technology	Dr. M G R Medical University, Chennai
108.	Shanmuga Hospital Private Limited, Salem-636007 Tamil Nadu	B.Sc in Radiotherapy Technology	Dr. M G R Medical University, Chennai
109.	Tripura Institute of Paramedical Sciences Tripura-799014 Tripura	B.Sc in Medical Radiotherapy Technology (BMRT)	Tripura Central University, Tripura
110.	Institute of Medical Sciences BHU Varanasi-221005 Uttar Pradesh	PG Diploma in Medical Technology (Radiotherapy)	Banaras Hindu University,
111.	J.N. Medical College & Hospital, Aligarh Muslim University Aligarh-202002 Uttar Pradesh	Bachelor in Radiation Therapy Technology (BRTT)	Aligarh Muslim University, Aligarh,Uttar Pradesh

112.	Dr. Ram Manohar Lohia Institute of Medical Science Lucknow-226010 Uttar Pradesh	Diploma in Radiotherapy Technician (DRTT)	Uttar Pradesh State Me Faculty, Lucknow, Pradesh
113.	King George`s Medical University, Lucknow – 226003 Uttar Pradesh	B.Sc. (Radiotherapy Technology)	King George`s Medical University, Lucknow – 226003 Uttar Pradesh (A deemed University)
114.	Swami Rama Himalyan University, Himalayan Institute of Medical Sciences, Sushila Tiwari Memorial Cancer Research Institute,(Formerly Himalayan Institute Hospital Trust (HIHT)) Dehradun-248140 Uttarakhand	B.Sc Medical Technology (Radiotherapy)	Swami Rama Himalyan University(Formerly HIHT), Dehradun (Deemed University)
115.	All India Institute of Medical Sciences, Rishikesh – 249203 , Uttarakhand	B.Sc. Radiotherapy Technology	All India Institute of Medical Sciences, Rishikesh – 249203 Uttarakhand
116.	King George`s Medical University (K.G.M.U) Institute of Paramedical Sciences, Lucknow - 226003 Uttar Pradesh	Diploma in Radiotherapy Technician	Uttar Pradesh State Medical Faculty, Lucknow,
117.	J. K. Cancer Institute Kanpur-208002 Uttar Pradesh	Diploma in Radiotherapy Technician	Uttar Pradesh State Medical Faculty, Lucknow
118.	Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow-226014 Uttar Pradesh	B.Sc. Radiotherapy Technology	Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow-226014
119.	Apex Paramedical Institute Varanasi-221004 Uttar Pradesh	Diploma in Radiotherapy Technician	Uttar Pradesh State Medical Faculty, Lucknow

120.	Dr. Sheela Sharma Memorial Charitable Trust, Mathura-281003 Uttar Pradesh	Diploma in Radiotherapy Technician	Uttar Pradesh State Medical Faculty, Lucknow
121.	Medical College Kolkata Kolkata-700073 West Bengal	Diploma in Radiotherapeutic Technology(DRT)	State Medical Faculty of West Bengal, Kolkata, West Bengal
122.	NRS Medical College, Kolkata-700014 West Bengal	Diploma in Radiotherapeutic Technology(DRT)	State Medical Faculty of West Bengal, Kolkata, West Bengal
123.	Burdwan Medical College, Burdwan-713104 West Bengal	Diploma in Radiotherapeutic Technology(DRT)	State Medical Faculty of West Bengal, Kolkata, West Bengal
124.	Bankura Sammilani Medical College, Bankura-722102 West Bengal	Diploma in Radiotherapeutic Technology(DRT)	State Medical Faculty of West Bengal, Kolkata, West Bengal
125.	Institute of Post Graduate Medical Education & Research, Kolkata-700020 West Bengal	Diploma in Radiotherapeutic Technology(DRT)	State Medical Faculty of West Bengal, Kolkata, West Bengal
126.	Chittaranjan National Cancer Institute, Kolkata-700026 West Bengal	Diploma in Radiotherapeutic Technology(DRT)	State Medical Faculty of West Bengal, Kolkata, West Bengal
127.	Saroj Gupta Cancer Centre & Research Institute(Formerly Cancer Centre Welfare Home & Research Institute), Kolkata-700063 West Bengal	Diploma in Radiotherapeutic Technology(DRT)	State Medical Faculty of West Bengal, Kolkata, West Bengal
128.	Apollo Gleneagles Hospitals Kolkata-70005 West Bengal	Diploma in Radiotherapeutic Technology(DRT)	State Medical Faculty of West Bengal, Kolkata, West Bengal
129.	R.G.Kar Medical College Hospital Kolkata-700 004 West Bengal	Diploma in Radiotherapeutic Technology [DRT]	State Medical Faculty of West Bengal, Kolkata, West Bengal

130.	North Bengal Medical College and Hospital, Siliguri Darjeeling – 734012 West Bengal	Diploma in Radiotherapeutic Technology [DRT]	State Medical Faculty of West Bengal, Kolkata, West Bengal
131.	Narayana Super-Speciality Hospital (Unit of Meridian Medical Research & Hospital Ltd.) Kolkata- 711103, West Bengal	Diploma in Radiotherapeutic Technology [DRT]	State Medical Faculty of West Bengal, Kolkata, West Bengal
132.	Tata Medical Center Kolkata- 700160 West Bengal	Diploma in Radiotherapeutic Technology [DRT]	State Medical Faculty of West Bengal, Kolkata, West Bengal
133.	Ruby General Hospital Ltd. Kolkata-700107 West Bengal	Diploma in Radiotherapeutic Technology [DRT]	State Medical Faculty of West Bengal, Kolkata, West Bengal
134.	Netaji Subhash Chandra Bose Cancer Hospital, Kolkata-700094 West Bengal	Diploma in Radiotherapeutic Technology [DRT]	State Medical Faculty of West Bengal, Kolkata, West Bengal
135.	Malda Medical College And Hospital, Maldah- 732101 West Bengal	Diploma in Radiotherapeutic Technology [DRT]	State Medical Faculty of West Bengal, Kolkata, West Bengal

C. Important Instruction

1. It is advised that candidates must verify the status of the Radiotherapy Technologist Training course with the course conducting institutions and enroll themselves only in those institutions whose course is in line with AERB requirements as listed in Annexure-I. **Candidates completing the Radiotherapy Technologist Training Course from any other institutions will not be considered eligible to work as radiotherapy technologist in the country.**
2. Institutions who are interested to start radiotherapy technologist training course are advised to approach AERB for assessment of their course in line with AERB requirements, failing to which candidates completed their course will not be considered eligible to work as Radiotherapy Technologist in the country and the **institutions will be solely responsible for unemployment or career of the candidates, those have been admitted by the institutions without obtaining concurrence letter from AERB.** Therefore, institutions are advised not to admit the candidates until their course is in line with AERB requirements.

D. Application for assessment of Radiotherapy Technologist Course



GOVERNMENT OF INDIA
ATOMIC ENERGY REGULATORY BOARD
NIYAMAK BHAVAN, ANUSHAKTINAGAR, MUMBAI – 400 094



AERB/RSD/RT/RTT-Course

INFORMATION REGARDING THE COURSE CONDUCTED FOR RADIATION THERAPY TECHNOLOGISTS

*(Please send the filled in form to the Head, Radiological Safety Division, AERB, Niyamak Bhavan, Anushaktinagar, Mumbai-400094 so as to evaluate the training programme conducted by your institution for Radiation Therapy Technologists as per AERB requirements. **Attach extra sheets if required**)*

1. Name & address of the Institution :

2. Name and Designation of Head of the institution:

3. Name and Designation of the Person, :
coordinating for the course
(a) Telephone No.(with STD code) :
(b) Fax No. :
(c) e-mail :

4. Name of the training programme in full :
(in capital letters)
5. Abbreviation of the training programme, if any :
(like Dip.RT, DMRT, CRA etc.)
6. Since how long the training programme is being:
year(s) conducted
7. Is it affiliated to any Education Board/University: Yes No
(a) If yes, Name of Education Board/University :
(please attach a copy of the affiliation letter)

8. Qualification for admission to the course : Matriculate
 10+2 in Science
 10+2 in any discipline
 Graduate in Science
 Graduate in any discipline Any
 others specify: _____

9. Duration of the course : 1 year
 2 years
 3 years
 Any others specify: _____

10. Subjects included in the Syllabus : Radiotherapy / _____ %
 (give percentage-wise subject covered) Radiography / _____ %
 Nuclear Medicine / _____ %
 Any others specify: _____ / _____ %

11. Whether the enclosed syllabus on radiations safety is covered in the training programme : Yes No

(a) If NO, list the topics of the enclosed syllabus not covered in a separate sheet.

Full syllabus SHOULD NOT BE SENT for verification.

12. Qualifying Board/University examination includes:

Sr. No.	Title of the paper	Total marks	Pass marks
A	THEORY		
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			

12.			
B	PRACTICLE		
1.			
2.			
3.			

Total marks of the course (Theory): (Practical): Passing
Criteria of Board/Univ. :

13. On successful completion of the Training programme the trainees are eligible to work in :
- Radiotherapy Department
 - Radiology Department
 - Nuclear Medicine Deptt.
 - Pathology Department
- Any other specify: _____
14. Whether the trainees are given field experience during training programme in various departments
- Yes No
- (a) Time spent in Radiotherapy Department : _____ months / _____ %
- (b) Time spent in Radiology Department : _____ months / _____ %
- (c) Time spent in Nuclear Medicine Department : _____ months / _____ %
- (d) Time spent in _____ Department : _____ months / _____ %

15. Any other information:

SEAL
Place :
Date:

Signature of the Head of Institution
Name :
Designation:

E. Syllabus pertaining to safety requirements for Technologist's course in Radiotherapy

1. Basic qualification for admission: 10+2 in sciencesubjects

2. Duration of the course:

2.1. Exclusively for Radiotherapy: **2years**

2.2. Combined course for Radiotherapy and Radio-diagnosis: **3years**

2.3. Minimum of 50 hrs for standalone course or 75 hrs for the combined course should be devoted to Radiation Safety. This should cover both theory as well as practical demonstrations during the training.

3. Common Syllabus for the training on "Radiation Safety in Radiotherapy and Radio diagnosis"

3.1. Basic Radiation Physics

Atomic Structure, Nucleus, Atomic No., Mass No., Electron orbit and energy levels, Isotopes and isobars, Radioactivity, Radioactive decay, Half life, Particle radiation, Electromagnetic Radiation, Production of X-rays, Continuous X-ray spectrum, Bremsstrahlung radiation Characteristic X-rays, Filters, Quality of X-rays, Effect of voltage and current on the intensity of X-rays, Properties of X-rays.

3.2. Interaction of Radiation with Matter

Photoelectric effect, Compton Effect, Pair production, Ionisation of matter, Energy absorbed from X-rays, X-rays Scattering, X-rays transmission through the medium, linear and mass attenuation coefficient, HVT and TVT, Interaction of charged particle and neutrons with matter

3.3. Radiation Quantities andUnits

Radioactivity, Flux, Fluence, Kerma, Exposure, Absorbed Dose, Equivalent Dose, Weighting Factors, Effective Dose, Natural Background Radiation, Occupational Exposure Limits, Dose limits to Public.

3.4. Radiation Hazard evaluation andcontrol

Philosophy of radiation protection, Effect of Time, Distance and Shielding, Calculation of workload, Calculation of Weekly dose to the radiation worker and general public, good work practices in diagnostic radiology and/or radiotherapy practices (including teletherapy and Brachytherapy), Planning consideration for radiologyand/or

radiotherapy installation including work load, use factor & occupancy factors, effect of different shielding material.

3.5. Biological effects of radiation

The Cell, Effect of ionising radiation on Cell, Chromosomal aberration and its application for the biological dosimetry, Somatic effects and hereditary effects, stochastic and deterministic

effects, Acute exposure and Chronic exposure, LD_{50/60}.

3.6. Detection and measurement of radiation & measuring instruments

Ionisation of gases, Fluorescence and phosphorescence, Effect on photographic emulsion, Ionisation chambers, Proportional Counters, G.M. Counters, Scintillation Detectors, Liquid scintillator, Pocket Dosimeters, TL Dosimeters and their use in personnel monitoring badges. Advantages and disadvantages of various detectors, appropriateness of different types of detectors for different types of radiation measurement.

4. Exclusive Syllabus for the training on “Radiation Safety in Radiotherapy”

4.1. Basic Radiation Therapy Physics

Historical developments in Radiotherapy, Physical components of Telecobalt Unit / Linear Accelerator Unit / Remote After Loading Brachytherapy Unit / Gamma Knife Unit / Simulator and their descriptions, Various types of sources used in Radiotherapy and their properties, Physics of Photons, electrons, protons and neutrons in radiotherapy, Physical parameters of dosimetry such as Percentage Depth Dose, Tissue-Air Ratio, Tissue Maximum Ratio, Physics of Bolus and Phantom materials, Compensators, Wedges, Shielding Blocks, Patient immobilization devices, Port film, processing and development, Special techniques in Radiotherapy such as SRS, SRT, IMRT, IGRT and Tomotherapy.

4.2. QA in Radiotherapy

Accessories and tools used for QA tests in Radiotherapy such as Front pointer, Back pointer, Laser Alignment etc. Optical and radiation field congruence, Beam shaping blocks, Beam shaping jaws, Delineator/Diaphragm movements, Isocentre alignment, Patient support system, Beam on and off mechanisms, Technician's role in QA tests on telecobalt /Linear Accelerator / Brachytherapy/ Gamma knife/Simulator/CT Simulator machines.

4.3. Radiation Emergency Preparedness

Safety and security of radiation sources, case histories of emergency situations and preparedness, equipments and tools including role of Gamma Zone Monitor, Regulatory requirements and prevention of emergency, Preventive maintenance and Safety Culture, Role of technicians in handling radiation emergencies.

4.4. Regulatory requirements

National Regulatory Body, Responsibilities, organization, Safety Standards, Codes and Guides, Responsibilities of licensees, registrants and employers and Enforcement of Regulatory requirements

4.5. Demonstration:

- Time, Distance and Shielding, measurement of HVT & TVT
- Familiarisation of radiation survey meters and their functional performance checks
- Radiological Protection Survey of Radiotherapy, Simulator and CT Simulator Installations
- QA on X-ray, Simulator and Radiotherapy Equipment(s)
- Procedures followed for calibration of measuring and monitoring instruments

5. Exclusive Syllabus for the training on "Radiation Safety in Radiodiagnosis"

5.1. Physics of Diagnostic Radiology

Familiarisation with various X-ray diagnostic tools, Radiological image formation, Use of contrast media, Films, Characteristic of X-ray films, Film Processing, Optical Density Measurements, Different types of Screens, Use of fluorescent screens in radiology, Effect of screen in reduction of patient dose, Various types of grids

5.2. QA in Diagnostic Radiology

Verification of Optical and Radiation field congruence, Beam alignment, Focal spot size, Linearity of tube current mA and Timer, applied potential, HVT and total tube filter, Contact between film and intensifying screen, Contrast resolution, Grid alignment, Special techniques like mammography, CT and Digital Radiography.

5.3. Regulatory requirements

National Regulatory Body, Responsibilities, organization, Safety Standards, Codes and Guides, Responsibilities of licensees, registrants and employers and Enforcement of Regulatory requirements, Role of technologist in radiology department.

5.4. Demonstration:

- Time, Distance and Shielding, measurement of HVT & TVT
- Familiarisation of radiation survey meters and their functional performance checks
- Radiological Protection Survey of Diagnostic X-ray installation
- QA on Diagnostic Equipment(s)

Note: The syllabus for the training associated with medical /clinical subjects such as Anatomy and Physiology, Patient preparation and positioning procedures etc. in addition to the safety part of the syllabus, mentioned above, shall be approved by the Board/University affiliating the training course.

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