THE TAMIL NADU Dr.M.G.R MEDICAL UNIVERSITY, CHENNAI
ALLIED AND HEALTH CARE – DEGREE COURSES
BACHELOR OF RADIATION THERAPY TECHNOLOGY (B.RTT)

1. Name of the Institution/Hospital
2. Name of the Trust
3. Date of Inspection
4. Address of the Institution
   (with E-mail, Fax No.,
   Tel.Nos. & Mobile No.)

5 Name of the Inspection Team
Institution in which working
with Full Address &Phone No.
(IN BLOCK LETTERS)

Convenor:

Member 1:

Member 2:

Instructions to Inspection Team:
Please specify numbers wherever applicable (eg. No. of Equipments etc.)
Please do not write very generalised and non-specific terms.
The members are requested **NOT** to make recommendations.

DETAILS OF THE GOVERNMENT ORDER:

Go.No, dated, No. of courses

Maximum Intake:

BUILDING DETAILS:

Ready Built Area:

Built up Area:

Details of Land

1	**Institution is owned by**: Government / Trust / Society / Company / any other body as per the NCAHP, New Delhi	
2	**Details of the Trust / Society / Company** i. Name of the Trust / Society / Company with address ii. Name of the members of the Trust / Society / Company iii. Registered Trust Deed /Supplementary deed, Amendment deed (or) Registered Certificate of Society / Company Registration Certificate along with Memorandum of Association / Articles of Association iv. Minutes of the meeting of the Trust /Society/Company for starting of proposed Courses.	
3	**Land documents** i. Specify the area of Category of Land and certificate obtained from the concerned local authorities to establish the specific category of land (as applicable) as a proof In city / corporation - not less than 1 acre Municipal / Town – not less than 2 acres Semi urban / Rural area – not less than 3 acres ii. Land owned (or) Leased in the name of the Trust / Society / Company	

	iii. Registered Sale Deed / Lease Deeds / Gift Deeds / Settlement Deed / Rectification Deed / Exchange Deed etc in the name of the Trust / Society / any other body as per the NCAHP regulations. iv. If the Trust / Society / Company have entered a lease deed, the tenure of the lease period for a minimum of 10 years, purpose of lease (i.e., whether the lease is entering for lands (or) building (or) both and the name of the course for which the lease has been Entered to be clearly mentioned in the registered lease deed.	
4	**Sworn Affidavit** Original Sworn Affidavit to be submitted in INR.200/- Non-Judicial Stamp Paper with the attestation and seal of the Notary Public. The Sworn Affidavit to be submitted by earmarking all the survey numbers in connection with starting of new course. (Format in University website) (or) If the Trust / Society / any other body who have already running any course(s) in this University and intend to start another new course in the University then the said Trust / Society / any other body have to furnish the Original Consolidated Sworn Affidavit by earmarking all the survey numbers allotted for the existing course as well as new course. (Format in University website)	
5	**Legal Opinion** Copy of the Latest Legal Opinion from the Govt. Pleader for tracing of title	

	deeds such as Trust Deed/ Supplementary Deed / Amended Deed (or) Certificate of society Registration, Memorandum Of Association, Articles of Association, Sale Deed / Lease Deeds / Gift Deeds / Settlement Deed / Rectification Deed / Exchange Deed, Parent document of (Sale Deed / Lease Deeds / Gift Deeds / Settlement Deed / Rectification Deed / Exchange Deed), Patta Adangal, "A" register, Up to date encumbrance certificate for a period of not less than 30 years, Mortgage of properties and redemption of mortgaged properties, if any pertaining to the earmarked lands.	
6	**Encumbrance Certificate** Copy of the Up to date authenticated (or) digitally verified Encumbrance Certificate issued by the concerned Sub Registrar office for a period not less than 30 years for all the survey numbers earmarked in the sworn affidavit / Consolidated Sworn Affidavit for the course	
7	**Patta, Adangal and A-Register** Copy of the Patta, Adangal and "A"-Register for all the survey numbers earmarked for the course in the name of the Trust / Lessor / Society / any other body.	
8	**Survey Sub-Division / Re-Survey Documents** If survey numbers have been sub-division (or) Re-survey, then the copy of the Certificate (or) Proceedings (or) order issued by the Tahsildar for sub division of old survey number to new survey number / resurvey number of numbers to be produced.	

9	**Mortgage details, if any - Yes / No - If yes** (i) Undertaking to be furnished, available in the University website (ii) Statements of accounts with loan details. (iii) Last 3 years audited balance sheets. (iv) Auditors report (v) IT acknowledgement	
10	**Revenue Authority Certificate** Certificate of evidence obtained from the Revenue authority stating that the earmarked land at the proposed College does not attract the T.N. Urban Land Ceiling and Regulations Act, 1978, T.N. Town Country Planning Act, 1971 and T.N. Land Reforms Act 1961.	

TEACHING FACULTIES-

(Kindly refer the NCAHP requirements for Qualification of Teaching faculty which is annexed below**)**

Specifications **And** **Requirements**	**Name of the faculty**	**Qualification**
Head of the Department		MSc RT / PGD RT with 16- 20 years B.Sc. RT 21-25 year experience
Assistant Professor		MSc. RTT with ≥ 5 years post MSc. RTT PGDRTT with ≥ 15 years post-PG diploma experience BSc. RTT with ≥ 15years post-

		BSc. RTT experience Diploma RTT with ≥ 18 year of post diploma experience
Senior Tutor		MSc. RTT PGDRTT with ≥ 10 years post-PG diploma experience BSc. RTT with ≥ 10 years of post-BSc. RTT experience Diploma RTT with ≥ 13 years of post-diploma experience
Tutors		PGDRTT with ≥ 5 years post-PGRTT experience BSc. RTT with ≥ 5 years post-BSc. RTT experience DRTT with ≥ 8 years of post-diploma Experience
Note*	It is also recommended that RTT faculty in initial stage may not be having qualification as per UGC norms due to non-araciality of master‘s programmer in RT , therefore highest available RT degree and PGDRT may be consider at par with master level courses	
Faculties of Anatomy Physiology. Nursing staff Labour Staff of the Hospital		
Administrative Staff		

NUMBER NOT SPECIFIED		
Faculty–student ratio It is recommended that a faculty and student ratio of 1:10 to be followed. The other details should be as per the Atomic Energy Regulatory Board (AERB) guidelines.		

Faculty and Infrastructure Requirements:	
Bed Strength 100 bedded hospital NOT SPECIFIED	

Equipments The following minimum Facilities in a Radiotherapy Dept. for students of Degree of Radiation therapy Technology includes: 1) A Teletherapy Unit 2) A Brachytherapy Unit 3) A Conventional or a C.T – Simulator 4) Mould Room. 5) Treatment Planning System(2D/3D) Equipment‘s/Machinery in the Dept. of Radiotherapy	
Tie-up Information not provided-OPTIONAL	
Infrastructure **Lecture halls** with seating, audio-visual aids. Small class rooms for tutorial and problem/case-based learning approaches.	
Clinical facilities Affiliated teaching hospital(s) with 1. **Radiotherapy Dept. with mandatory postings** 2. **Radiology and Nuclear Medicine Dept** 3. **OPD of Radiation Oncology, Medical Oncology and Surgical Oncology**	

4. **Wards, Day Care and Casualties** 5. **Biomedical and Waste Management Disposal System** 6. **CSSD (Central Sterile Supply Department)**	
Library Adequate reference books, journals, e-access • A minimum of 150 books in General Oncology specialised subjects of Radiation Oncology, Medical Oncology and Surgical Oncology. Radiation Physics and Dosimetry in the domain of Radiodiagnosis, Radiotherapy Nuclear medicine must be available whenever required. Journals on Radiology, Radiotherapy and Radiation Physics must be made available for Research andDissertation. • 3 kinds of magazines, 3 kinds of newspapers and other kinds of current health related literature should be available in the library to be updated with latest trends in Oncology.	
Administrative Office	
Toilets For staff and students	

Multi Media LCD Projector, Computer with necessary accessories Multi Media	
Laboratory/Skills Lab MOULD ROOM 1.Mould room 2.Thermoplast devices. 3.Temporary couch 1. Phantoms : Teach and assess in selected clinical scenarios Practice soft skills Practice physical examination 2.Mannequins: Perform acquired techniques 3.Simulators Practice teamwork and leadership Perform cardiac and pulmonary care skills Apply basic science understanding to clinical problem solving	
Hostel-girls	
Hostel-boys	

Convenor

Member 1

Member 2

Signature of the Inspection Team
with name and date

Note : 1. All supportive documents should be annexed along with the Inspection Report
2. The Inspection Team may also give a detailed report wherever necessary and
Detailed annexure be sent with the Inspection Report

A list of Essential and Recommended Books for Students of Radiation therapy Technology:

1	**Anatomy**	i) Handbook of General Anatomy by B.D Chaurasia ii) Human Anatomy by B.D Chaurasia iii) Anatomy and Physiology in Health and Illness by Ross and Wilson iv) Pocket Sectional Anatomy Vol 1 and 2 by Moller and Rief, Thieme Publications
2	**Physiology and Pathology**	i) Anatomy and Physiology in Health and Illness by Ross and Wilson ii) A text book of Medical Physiology by Guyton and Hall iii) First Aid L.C.Gupta Jaypee iv) Basic pathology by Robbins v) Textbook of Medical Physiology by G.K. Pal (Theory)
3	**Hospital Administration**	i) Hospital Waste Management and its Monitoring: Maduri Sharma Jaypee ii) Hospital Administration and Management by Joydeep das Gupta
4	**Radiation Oncology**	i) Walter and Millers Textbook of Radiotherapy ii) Principles and Practice of Radiation Oncology by Perez and Brady iii) Text book of Radiation Oncology by Philips, Hope and Roach

		iv) Principles and Practice of Brachytherapy by Joslin, Flynn and Hall v) Brachytherapy Applications and techniques by Phillip M. Devlin
5	**Radiotherapy techniques**	i) Treatment Planning in Radiation Oncology by F.M. Khan ii) Washington & Leaver‘s Principles and Practice of Radiation Therapy iii) Radiation Therapy Planning - Gunilla Bentel iv) The Physics & Technology of Radiation Therapy - McDermott and Orton v) Practical Radiotherapy Planning 3rd and 4th edition by Jane Dobbs vi) Clinical Target Volumes in Conformal and Intensity Modulated Radiation Therapy by Gregoire, Scalliet , Ang by Springer Publications vii) Radiotherapy Treatment Planning – Richard F Mould
6	**Imaging in Oncology**	i) Radiology Fundamentals, Introduction to Imaging and technology by Harjit Singh published by Springer ii) Oncologic Imaging by Bragg, Rubin , Hrisack W.B. Saunders Publication iii) Basics of PET Imaging by Gopal. B. Saha Springer publications iv) Essentials of Radiographic Physics and Imaging by James Johnston and Terry Fauber v) Bushong, S.C., Radiological Sciences for Technologists, Mosby Elsevier (2009). vi) Diagnostic Radiology Physics Handbook for Teachers and Students by IAEA

7	**Radiation Physics and Dosimetry**	i) The Physics of Radiation Therapy by F.M. Khan ii) The Physics of Radiology Harold Elford Johns John Robert Cunningham. iii) Radiobiology for the radiologist. Eric J Hall; Amato J Giaccia iv) ICRU report 83 v) ICRP Report 103 vi) Radiation Detection and measurement – Glenn F. Knoll. vii) Radiation Dosimetry – H.E.Johns viii) Text book of physics applied to Radiotherapy and Radio-diagnosis – Massey and Meredith. ix) Practical Radiotherapy - Physics and Equipment by Pam Cherry , Angela Duxberry x) Radiation Oncology Physics by E.B. Podgorsak published by IAEA
8	**Radiation Protection**	i) Principles of Radiation Protection – K. Z. Morgan and J. E. Turner. ii) Physics for Radiation Protection – James E. Martin iii) ICRP Report 103 iv) Radiation protection in Medical radiography – Mary Alice v) An introduction to Radiation Protection – Allen Martin & Samuel vi) Latest reports on AERB safety code: Safety code for Medical diagnostic x-ray vii) Safety code for Radiation Therapy Sources, Equipment and Installations