

M.SHANMATHI PRIYA

RADIOTHERAPIST

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Theatre, Azad Nagar, Anna
Women's Hostel, Chennai , Tamil
Nadu -600014

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Professional Summary

Highly motivated and dedicated Radiotherapy Technologist with a Bachelor of Science degree in Radiotherapy Technology. Eager to apply acquired knowledge of radiation therapy principles, patient care, and safety protocols in a clinical setting to contribute to patient well-being and departmental success.

Skills

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| ❖ Patient positioning and Immobilization | ❖ Imaging for radiotherapy | ❖ Treatment delivering and operation of equipment |
| ❖ Radiation safety and protection | ❖ Patient communication | ❖ Human anatomical knowledge |

Working knowledge on Equipment

Linear accelerator : Varian TrueBeam SVC
Telegamma unit : Theratron
Brachytherapy : Nucletron MicroSelectron-HDR
CT - simulator : Siemens somatom Definition AS

Techniques Handles

- ❖ Stereotactic Body Radiation Therapy (SBRT)
- ❖ Stereotactic Radiation Therapy (SRT)
- ❖ Image Guided Radiotherapy (IGRT)
- ❖ Rapid Arc (RA) treatments
- ❖ Intensity Modulated Radiation Therapy (IMRT) with OBI
- ❖ 3-Dimensional Conformal Radiation Therapy (3DCRT) with Portal Vision verification.
- ❖ Conventional Treatments in Telegamma and Linear Accelerator
- ❖ Craniospinal Irradiation (CSI)

Job Responsibilities

- ❖ Annually support treatment of approximately 800 cancer patients in a high-volume clinical setting.
- ❖ Implement SRS, IGRT, IMRT, RapidArc (VMAT), and 3DCRT techniques as part of routine treatment protocols.
- ❖ Independently perform mould room procedures and CT simulations for precise radiotherapy planning.
- ❖ Coordinate tumor localization and simulation using CT, MRI, and PET imaging systems.
- ❖ Perform patient treatment verification and maintain meticulous radiotherapy documentation.
- ❖ Support patient-specific QA using EPID in coordination with the physics team.

- ❖ Participate in routine QA and maintenance of Linear Accelerator machines.
 - ❖ Escalate unresolved technical issues to senior personnel in accordance with defined protocols.
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Conferences Attended

- 1) Annual Conference of the Association of Radiation Therapy Technologists of Tamil Nadu – “ARTTTNCON 2025” at Kovai Medical Center Coimbatore **Conducted On** : November 16th 2025.
 - 2) CME on “**Radiation physics in Radiation Oncology**”, by Department of Radiation Oncology, Madras Medical college and Rajiv Gandhi Government General Hospital, Chennai. **Conducted On**: 9th and 10th FEB 2024.
 - 3) Annual Conference of the Association of Radiation Therapy Technologists of Tamil Nadu – “ARTTTNCON 2023” at Meenakshi Mission Hospital and Research Centre, Madurai. **Conducted On**: 3rd DEC 2023.
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Education Qualification

B.Sc. Radiotherapy technology Government Kilpauk medical college, (Affiliated to Dr. MGR University) Percentage: 69.10%	Feb-2022 to Jun-2026
Higher secondary education - TN state board (12th standard) Government. Hr. Sec. School, Kuniyamuthur Percentage: 88.91%	Jun-2020 to Mar-2021
Secondary school education - TN state board (10th standard) Government High School, Marappalam. Percentage: 81.40%	Jun-2018 to Mar-2019

Professional References

- 1) **Dr. S.Madhumathi, MDRT.,**
Professor & Head of Department,
Department Of Radiation Oncology,
Government Royapettah Hospital/Kilpauk Medical college,
Chennai - 14.
Phone: 94443 29477,
 - 2) **Mr. Pradeep Kumar,**
Medical physicist,
Department Of Radiation Oncology,
Government Royapettah Hospital, Chennai - 14.
Phone: 95662 57473.
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Areas of Interest

- Radiation Oncology
- Advanced Radiotherapy Techniques
- Patient Care and Safety
- Treatment Planning

Declaration

I hereby declare that the all above furnished details are true to best of my Knowledge and Belief.

M. Shanmathi Priya.

Place : Chennai

Signature