

# ASHUTOSH MESHAM

MEDICAL PHYSICIST

## CONTACT

+91-9545058578

ashutoshmeshram97@rediffmail.com

Nagpur, Maharashtra

## EDUCATION

### 1. OSMANIA UNIVERSITY HYDERABAD

- Diploma in Radiological Physics (DRP) - 2022

### 2. INSTITUTE OF SCIENCE COLLEGE, NAGPUR

- Master of Science (M.Sc Physics) - 2020

### 3. DR. AMBEDKAR COLLEGE, NAGPUR

- Bachelor of Science (B.Sc Physics) - 2018

## SKILLS

- Quality Assurance
- Ms-office
- Research Skills
- Equipment Handling
- Leadership
- Effective Communication

## LANGUAGES

- English
- Hindi
- Marathi

## PROFILE

I am Ashutosh V. Meshram, a dedicated Medical Physicist with a strong educational background in radiological physics and extensive hands-on experience. Committed to excellence, I specialize in quality assurance, treatment planning, and dosimetry, aiming to enhance patient care. My goal is to leverage my skills and knowledge in a dynamic healthcare environment, ensuring safety and efficacy in radiation therapy.

## WORK EXPERIENCE

### Rashtrasant Tukdoji Cancer Hospital & Research Centre, Nagpur (2024-Present)

#### Medical Physicist

#### Key Responsibilities and Equipment:

- Radiotherapy Systems: ELEKTA VERSA HD, supporting energies of 6MV, 15MV, 6FFF, 10FFF photons, and 4-15 MeV electrons.
- Treatment Planning: Monaco Treatment Planning System for various techniques, including 3DCRT, IMRT, IGRT, and VMAT.
- Brachytherapy: High Dose Rate Brachytherapy using a Multisource Co-60 Unit.
- Teletherapy: Tele Cobalt Unit (Babhatron-II).
- Imaging & Simulation: Computed Tomography Simulator (Siemens Confidence II & Somatom Emotion). Conventional Simulator (Panacea IMAGIN)
- Quality Assurance: 3D Radiation Field Analyzer (PTW RFA Beam Scanner) and patient-specific QA with Octavius 4D Phantom.

#### TECHNICAL SKILLS

##### 1. Radiotherapy Equipment Handled:

- Secondary Standard Dosimeter: Farmer type, Cylindrical, and Well type chambers for dosimetry and calibration.
- Electrometers: IBA Dose 1, PTW Unidose, and Farmer Electrometer (NE).

##### 2. Quality Assurance:

- Comprehensive daily, monthly, and annual QA for ELEKTA Versa HD, Bhabhatron-II, and high-dose brachytherapy systems.
- Beam quality, flatness, symmetry, and dose constancy checks.
- Absolute output measurements and radiation protection surveys.

##### 3. Treatment Planning:

- Expertise in 3D CRT, IMRT, IGRT, Rapid Arc techniques.
- Proficient in Monaco & Eclipse, Multisource Treatment Planning Systems.

## REFERENCE

Dr Kartar Singh  
HOD & Radiation Oncologist  
RST Regional Cancer Hospital & Research  
Institute, Nagpur  
91-9890354174, 91-7020795655

Mr. Ahmed Yamani  
Chief Medical Physicist & RSO  
RST Regional Cancer Hospital & Research  
Institute, Nagpur  
91-9885462689