



RSO/RA-53A/2021/378

**Government of India  
Bhabha Atomic Research Centre  
Mumbai - 400 085**

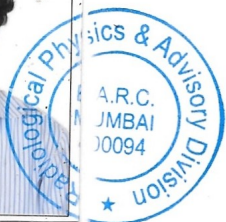
*Training cum RSO Certification Course for  
Research, Radiotracer and Column Scanning Applications  
of Ionizing Radiation*

This is to certify that

**SACHIN VASANTA SHET**

*participated in the above course conducted online by  
Radiological Physics & Advisory Division, Bhabha Atomic  
Research Centre, Mumbai, during **December 13 - 22, 2021**,  
in association with Indian Association for Radiation  
Protection. The participant was examined on **March 3 - 4,**  
**2022** and has successfully completed the course.*

Photograph of  
Candidate



  
(B. K. Sapra)

Head

Radiological Physics & Advisory Division

March 4, 2022  
CT & CRS, Anushaktinagar  
Mumbai - 400 094



Case file no.: KA-41440-INST

Date of Issue: 03/04/2025

Document No.: 25-RSO-1308530

Valid till: 03/04/2028

**Approval of Radiological Safety Officer**

1. The REGISTRAR, MANIPAL ACADEMY OF HIGHER EDUCATION, Manipal is hereby informed that the Competent Authority, Chairman, Atomic Energy Regulatory Board (AERB), in exercise of powers conferred under Rule 19 of the Atomic Energy (Radiation Protection) Rules, 2004, has approved the nomination of SACHIN VASANTA SHET as Radiological Safety Officer (RSO) in the MANIPAL ACADEMY OF HIGHER EDUCATION, Manipal for the facilities as mentioned in annexure-1 to this document on the basis of information provided in the application.
2. The RSO shall submit the periodic reports to AERB, in the prescribed format on safety status of the radiation installation.
3. The RSO shall promptly report any radiation safety related unusual occurrence to AERB.
4. The RSO shall perform his duties and responsibilities as stipulated in Atomic Energy (Radiation Protection) Rules, 2004 and other related regulatory documents (refer annexure-2).
5. This approval stands cancelled in the event of SACHIN VASANTA SHET relinquishing the charge as RSO in MANIPAL ACADEMY OF HIGHER EDUCATION, Manipal.

Issuing Authority,

DR. P. K. DASH SHARMA  
Head, RSD

(This is an electronically generated letter and hence signature is not required)

REGISTRAR  
MANIPAL ACADEMY OF HIGHER EDUCATION  
REGISTRAR, MANIPAL UNIVERSITY, Manipal - 576104 (Karnataka)

Copy: SACHIN VASANTA SHET  
MANIPAL ACADEMY OF HIGHER EDUCATION  
REGISTRAR, MANIPAL UNIVERSITY, Manipal - 576104 (Karnataka)



परमाणु ऊर्जा नियामक परिषद्, नियामक भवन, अणुशक्तिनगर, मुंबई 400094 (महाराष्ट्र)  
Atomic Energy Regulatory Board, Niyamak Bhavan, Anushaktinagar, Mumbai 400094 (Maharashtra)

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**Annexure-1**

Sl. No.	Practice	Role(s) of Institute
1	Sealed Sources	Radiation facility - Sealed Sources

## **Annexure-2**

### **Duties and Responsibilities of the Radiological Safety Officer**

- (1) The Radiological Safety Officer shall be responsible for advising and assisting the employer and licensee on safety aspects aimed at ensuring that the provisions of these rules are complied with.
- (2) The Radiological Safety Officer shall:-
  - (a) carry out routine measurements and analysis on radiation and radioactivity levels in the controlled area, supervised area of the radiation installation and maintain records of the results thereof;
  - (b) investigate any situation that could lead to potential exposures;
  - (c) advise the employer regarding -
    - i. the necessary steps aimed at ensuring that the regulatory constraints and the terms and conditions of the licence are adhered to;
    - ii. the safe storage and movement of radioactive material within the radiation installation;
    - iii. Initiation of suitable remedial measures in respect of any situation that could lead to potential exposures; and
    - iv. routine measurements and analysis on radiation and radioactivity levels in the off-site environment of the radiation installation and maintenance of the results thereof;
  - (d) ensure that -
    - i. reports on all hazardous situations along with details of any immediate remedial actions taken are made available to the employer and licensee for reporting to the competent authority and a copy endorsed to the competent authority;
    - ii. quality assurance tests of structures, systems, components and sources, as applicable are conducted; and
    - iii. monitoring instruments are calibrated periodically.
  - (e) assist the employer in -
    - i. instructing the workers on hazards of radiation and on suitable safety measures and work practices aimed at optimizing exposures to radiation sources; and
    - ii. the safe disposal of radioactive wastes; and
    - iii. developing suitable emergency response plans to deal with accidents and maintaining emergency preparedness;
  - (f) advise the licensee on -
    - i. the modifications in working condition of a pregnant worker; and
    - ii. the safety and security of radioactive sources;
  - (g) furnish to the licensee and the competent authority the periodic reports on safety status of the radiation installation; and
  - (h) inform the competent authority when he leaves the employment.
- (3) The Radiological Safety Officer shall have personal monitoring badge prior to handling of radiation source(s) at the facility.