

About the Course

The Centre for materials informatics (C-mAI), Anna University and the Radiologic Physics Foundation jointly organizing a course on Radiological Health and safety (RaHaS). This short-term certificate course will be useful to radiation professionals working in hospitals, healthcare institutions, research labs, etc. The main aim of this course is to enhance participant's knowledge and expertise in the field of diagnostic radiology with emphasis on radiological safety of patients and workers. It will provide immediate and practical knowledge that can be directly applied in clinical settings related to diagnostic radiology.

This course is of 30 hours duration, scheduled from 15.10.2024 to 19.10.2024 (1 week), with lectures to be delivered by eminent faculties. Radiographers, Medical Physicists, Radiologists, Dentists, Medical practitioners, research scholars who practice ionizing radiation can participate the course. Administrators and policy makers can also join the course. It is useful for NABH and NMC inspections and improve the practice of radiation at hospitals.

About C-mAI

The Centre for Materials Informatics (C-mAI), Anna University was started with a vision to accelerate the process of materials research with the help of machine learning and deep learning models. The center has been exploring novel materials for renewable energy, pollution reduction, dosimetry, drug delivery and combinations of traditional medicines with better synergic effects using AI. In addition to discovering novel materials for medical and energy applications. C-mAI is actively conducting many short term courses, summer schools, value added course for working professionals, students and researchers.

About Radiologic Physics Foundation

The Radiologic Physics Foundation (RPF) was started in April 2022 with a motto of promoting radiologic physics education, research and development, training and outreach in India and abroad by Dr.K.Thayalan. Its objectives include; to spread radiologic physics application in medicine and Biology, organize academic activities and publish books and guides to spread awareness. RPF is joining hands with Anna University to conduct a Radiological Health and safety (RaHaS) course, the first time in the country.

CONVENERS

Dr. R. Vidya
Director i/c,
Center for Materials Informatics (C-mAI),
Anna University

Prof. K. Thayalan
Honorary Professor, Anna University,
Adjunct Faculty, IIT-M,

ADVISORS

1. Dr. Cheng B Saw
Director of Medical Physics,
Northeast Radiation Oncology,
Centre, Harrisburg, LA, USA.

2. Dr. R.K. Jeevan Ram
Scientific Officer (Retd.),
Indira Gandhi Centre for Atomic,
Research (IGCAR), Kalpakkam.

3. Dr. T.S. Swaminathan,
Professor & Head,
Department of Radiology,
Dr.Kamakshi Memorial Hospital ,Chennai.



October 15-19, 2024



Room.No: 323,
Sir C.V. Raman Science Block,
Anna University, Chennai – 600 025.

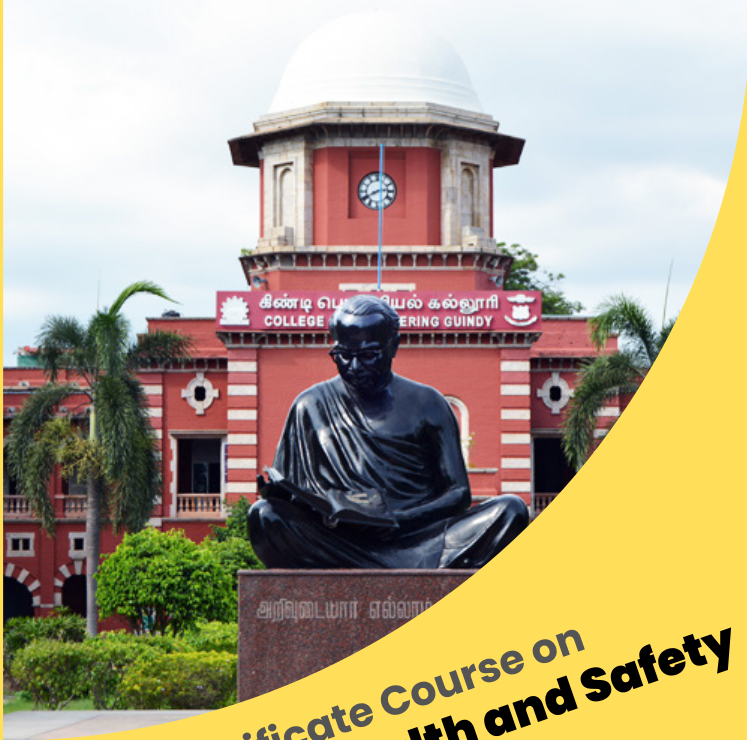
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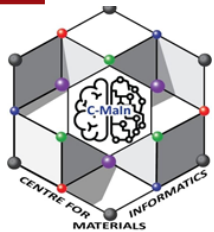
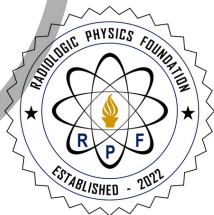
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**Certificate Course on
Radiological Health and Safety
(RaHaS)
October 15-19, 2024**



Certificate Course on Radiological Health and Safety (RaHaS)

Conducted by

**Centre For Materials Informatics (C-mAIIn), Anna University &
Radiologic Physics Foundation**

October 15-19, 2024

Topics

1. Basic radiation physics
2. Radioactivity
3. Production of X-rays
4. Interaction of Radiation with Matter
5. Radiation Quantities and Units
6. Biological Effects of Radiation
7. Operational Limits
8. Radiation Detection and Measurements
9. Radiation Hazard, Evaluation and Control
10. Personal Monitoring
11. Screen-film Radiography
12. Computed Radiography (CR) & Digital Radiography (DR)
13. Mammography
14. Fluoroscopy
15. Computed Tomography
16. Planning a Diagnostic X-ray installation
17. Regulatory Aspects of Diagnostic radiology
18. Electronic Licensing of Radiation Application (E-LORA)
19. Quality assurance (QA) in Diagnostic radiology
20. Radiological Health and Safety

Tentative Speakers

- Dr.R.K.Jeevan Ram, SO (Retd), IGCAR
- Dr.K.Thayalan, Adjunct Faculty, IIT-M
- Dr. R. Vidya, Director, C-mAIIn & Associate Professor, Anna University.
- Dr.Sudha Pattan, Associate Professor cum RSO, SRIHER.
- Dr.A.Gopiraj, Assistant Professor, BIRO, RGGGH.
- Mrs. M.Menaka, SQRMG, IGCAR
- Mrs.M.Ananthi, Assistant professor, RGGGH
- Mr. PA. Pannerselvam, Medical Physicist & RSO, CARE, Chennai
- Mrs.S.Purnima, Assistant Professor, RGGGH
- Mrs.X.Sidonia Valas, Chief Medical Physicist, Dr.KMH
- Mr.T.Godwin Paul Das, Medical Physicist, TNGMSH
- Mr.A.Satheeshkumar, Medical Physicist, RGGGH
- Mr.R. Ganesh C/o Avanttech laboratories
- Mrs.Banupriya Balakrishna, C/o VMD Medical systems
- Mr.S.Manimaran, Assistant professor, GAAMH, Kanchipuram
- Mrs. S. Saraswathy Chitra, Chief Medical physicist, Apollo cancer center, Chennai
- Mr. V.S Iyer, Scientific Officer, AERB (Retd), C/o Conard Medical Solutions LLP, Mumbai

**“Let us Ensure the Right Procedure to the
Right Patient with Optimal Radiation Dose”.**

Contact details:

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Postal Address:

Director i/c,

**Centre for Materials Informatics (C-mAIIn),
Sir C.V. Raman Science Block,
Anna University, Chennai – 600 025.**

Who Can Apply

Radiation Professionals working in
hospitals or health care institutions /
Radiographers / Physicians / Medical
Physicists / Engineers / Administrative
officers / Research scholars

**Last Date for Registration:
11/10/2024**

**We will inform the selected candidates
about the fee payment process.**

Registration link : [click here](#)

Registration Fee : Rs.10,000 (incl. 18% GST)

**To be paid through Demand Draft (DD)
drawn in favor of "The Director, CSRC"
payable at Chennai.**

or

A/c Name : CSRC Project A/C

A/c No : 30061247489

IFSC Code : SBIN0006463

**Maximum of 25 participants will
be selected based on first come
first serve basis**

**Certificates will be issued to all
participants after successful
evaluation of MCQ test.**

Event Registration Form
Radiological Health and Safety (RaHaS)."

Duration: 15.10.2024 to 19.10.2024 (five days)

Venue: Centre for Materials Informatics, Sir C V Raman Science Block, Anna University.

Participant's Details:

1. Full Name :
2. Affiliation/Organization:
3. Designation:
4. Educational Qualification :
5. Specialization :
6. Contact Number:
7. Email Address:

Documents to be attached with this form :

1. SSLC Certificate
2. Highest Degree Certificate (If applicable)
3. Nomination Certificate (If employed)

Declaration

I confirm that the information provided above is accurate and complete to the best of my knowledge. I agree to comply with the guidelines of the event.

Signature of the candidate

Place & Date

Forwarded by

Name & Seal of forwarding authority

Please send a photocopy of the filled form to: cmain.annauniv@gmail.com If you have already registered using the Google Form link, you can kindly ignore. This form is intended only for those who are unable to access the Google Form.