



“GCNEP Training Course on Industrial Applications of Radiation Technology and Radiotracer”

October 30 - November 3, 2017
GCNEP, Bahadurgarh, Haryana



Day 1, Monday Oct 30, 2017

0900 - 0930

Registration

0930 - 1000

Inauguration Function

- ❖ **Welcome Address:** Sh. Ranajit Kumar, Chairman, Advisory Council, GCNEP
- ❖ **Opening Address:** Dr. Lalit Varshney, Course Director, Head, SARRT, GCNEP
- ❖ **Address:** Sh. Jayant Khobragade, Joint Secretary, External Affairs, Govt. of India
- ❖ **Remarks:** Sh. Anupam Sharma, Project Director, GCNEP
- ❖ **Vote of Thanks:** Sh. D. K. Tyagi, Local Coordinator, GCNEP

❖ **Group Photo**

1000 - 1030

High Tea

1030 - 1100	Basic concepts on Radioisotopes and High Energy Radiations	Dr. Vikas Kumar
1100 - 1130	Radiation effects on polymers & Applications	Dr. K. A. Dubey
1130 - 1230	Radiation Technology applications for Health & Environment Protection	Dr. L. Varshney
1230 - 1300	Radiation Sterilization of Medical Products	Dr. Amit Shrivastava

1300 - 1430

Lunch

1430 - 1515 Radiopharmaceuticals and Nuclear Medicine for Diagnosis and Therapy Dr. S. Banerjee

1515 - 1545

Tea

1545 - 1700 Practicals and Demonstration Dr. N. K. Goel

Day 2 Tuesday Oct 31, 2017

0930 - 1015 Radioisotope Techniques in process Industry and Research Prof. Shantanu Roy

1015 - 1100 Basic Radiotracer Methodology Dr. H. J. Pant

1100 - 1130 **Tea**

1130 - 1200 Radioactive Particle Tracking Technique: Case Study Prof. Shantanu Roy

1200 - 1300 Radiotracer applications in industry: Case study Dr. H. J. Pant

1300 - 1430 **Lunch**

1430 - 1700 Radiotracer and Radiography Practicals

Day 3 Wednesday Nov 1, 2017

0900 Technical visit to Gamma irradiation facility at Shriram Institute for Industrial Research, Delhi

Day 4 Thursday Nov 2, 2017

0930 - 1000 Industrial Computed Tomography – 2D and 3D imaging Dr. Umesh Kumar

1000 - 1100 High Intensity Gamma & X-ray sources and Detectors for NDT applications Mr. Rajesh Acharya

1100 - 1130 **Tea**

1130 - 1215 Radiation Processing of the Food Dr. S. K. Ghosh

1215 - 1300 Radiation processing of fruits and vegetables: An Indian Scenario Dr. S. K. Gautam

1300 - 1430 **Lunch**

1430 - 1515 Induced Mutagenesis for Crop Improvement Dr. S. Jambhulkar

1515 - 1600 Food Security: Peaceful use of Nuclear Energy Dr. S. Jambhulakr

1600 -1700 Visit to Display Area (Food and Agriculture)

Day 5 Friday Nov 3, 2017

1000 -1100 Uranium Exploration in India Dr. L. K. Nanda

1100 -1200 Manufacturing, Safety, Security & Transportation of Radioactive Sources for Industrial applications
Sh. Saeed Anwar Tariq

1200 -1300 Concluding Session and Certificate distribution

1300-1430 Lunch

