

**NATIONAL TRAINING COURSE  
ON  
NUCLEAR SAFETY AND SECURITY INTERFACE**

**August 2-3, 2017**

**COURSE OUTLINE**

	Topic	Speaker
<b>Day 1: Wednesday</b>		
09:00	Welcome from GCNEP Secretary	
09:10	Welcome from Course Director	R. Keswani
09:20	Introduction of Course Instructors Introduction of Training Participants	All
09:30	Presentation on GCNEP	Ranajit Kumar
10:00	<i>Class Photograph</i>	
10:30	<i>Coffee Break</i>	
11:00	Session 1: Course Introduction	R. Keswani/ D. Kohli
11:15	Session 2: Nuclear Safety Objectives, Fundamentals and Concepts	K. Jayarajan
12:00	Session 3: Nuclear Security Objectives, Fundamentals and Concepts	R. Keswani/ D. Kohli
12:45	<i>Lunch Break</i>	
14:00	Session 4: Introduction to Safety-Security Interface at Nuclear Facility: Synergies and Conflicts	Ansul Kumar
14:30	Session 5: Legal and Regulatory Framework for effective nuclear safety-security interface	Garima Sharma
15:00	Managing Safety-Security Interface at Nuclear Power Plant	A K Saxena
15:30	<i>Coffee Break</i>	
15:45	<i>Case Study 1: Sabotage of Doel 4 Nuclear Power Plant, Belgium</i>	D. Kohli
16:15	Session 6: Organizational Principles for Safety-Security Interface: Nuclear Safety and Security Culture	V. K. Sinha
17:00	Lectures conclude	

<b>Day 2: Thursday</b>		
09:00	Questions and Discussion	R. Keswani
09:05	Session 7: Design Principles for Safety-Security Interface: Graded approach and Defence-in-Depth	A Laddha
09:45	Session 8: Operational Principles for effective Nuclear Safety-Security Interface	D. Kohli
10:15	<i>Coffee Break</i>	
10:30	<i>Case Study 2: Gold Theft at Los Alamos</i>	D. Kohli
11:00	Session 9: Managing Safety-Security Interface during Emergency Preparedness and Response	K. Jayarajan
11:30	Session 10: Assessment and Performance Evaluation of the Safety- Security Interface	R. Keswani
12:00	Overview of India's Nuclear Safeguards	S. K. Agrawal
12:30	<i>Lunch Break</i>	
14:00	Role of Health Physicist in Nuclear Security	D.P. Rath
14:30	Managing Safety, Security, and Safeguards (3S) Relationship	S. K. Agrawal
15:00	<i>Coffee Break</i>	
15:15	Feedback from Participants	R. Keswani
15:30	<i>Certificates Presentation</i>	R. Keswani
16:00	Distribution of Course Materials	R. Keswani
16:30	Open Discussion and Instructors' Comments	All
17:00	Course Conclusion	