

**GLOBAL CENTRE FOR NUCLEAR ENERGY PARTNERSHIP**  
**School of Nuclear Security Studies**

**Workshop on Vulnerability Assessment for Nuclear Material Security, Mumbai, India**  
**27- 31 October 2014**

<b>Time</b>	<b>Module number</b>	<b>Module title</b>	<b>Lecturer</b>
<b>Monday, 27 October</b>			
9:00- 09:30		Registration of participants	
9:30 – 10:00		Inauguration session	
10:00 – 10:30		Tea break	
10:30 – 10:45		Introduction of the participants	
10:45 – 11:30		Introduction & Course Overview	<b>US &amp; India</b>
11:30 – 12:15		Target characterization	<b>US</b>
12:15 – 13:15		Lunch break	
13:15 – 14:45		Exercise on Target characterization	
14:45 – 15:30		Threat Characterization	<b>India</b>
15:30 – 16:00		Tea break	
16:00 – 17:00		Exercise on Threat Characterization	
<b>Tuesday, 28 October</b>			
9:30 – 9:45		Review of previous days presentations	
09:45 – 10:30		Facility & Protection System Characterization	<b>India</b>
10:30 - 11:00		Tea break	
11:00 – 12:15		Exercise on Facility Characterization	
12:15 – 13:15		Lunch break	
13:15 – 13:45		Overview of VA Methods	<b>US</b>
13:45 – 14:30		Path Analysis	<b>India</b>

14:30 – 15:00		Tea break	
15:00 – 16:00		Exercise on Path Analysis	
16:00 – 17:00		VISA Scenario Analysis	<b>US</b>
<b>Wednesday, 29 October</b>			
9:30 – 9:45		Review of previous days presentations	
09:45 – 10:15		Outsider Scenario Analysis	<b>US</b>
10:15 - 10:45		Tea break	
10:45– 12:15		Exercise on Outsider Scenario Analysis (Contd.)	
12:15 – 13:15		Lunch break	
13:15-14:45		Exercise on Outsider Scenario Analysis	
14:45 - 15:00		Tea break	
15:00-15:15		Insider Abrupt Theft Analysis	<b>US</b>
15:15-17:45		Exercise Insider Abrupt Theft Analysis	
<b>Thursday, 30 October</b>			
9:30 – 9:45		Review of previous days presentations	
09:45 – 10:15		Quantifying MC&A	<b>US &amp; India</b>
10:15 - 10:30		Tea break	
10:30– 11:00		Item Inventory and Attribution Sampling	<b>US</b>
11:00– 12:30		Exercise on inventory sampling	
12:30-13:30		Lunch break	

13:30 – 14:15		Quantifying Late Detection in MC&A for Bulk Processes	<b>US</b>
14:15 – 15:15		Trickle Diversion Exercise with Process Control	
15:15-15:45		Tea break	
15:45 - 16:15		Material Balance Evaluation	<b>US</b>
16:15-17:15		Protracted Theft Analysis	<b>US</b>
<b>Friday, 31 October</b>			
9:30 – 9:45		Review of previous days presentations	
09:45 – 11:00		Exercise on Protracted Theft Analysis (contd.)	
11:00– 11:20		Tea break	
11:20 - 12:30		Exercise on Protracted Theft Analysis	
12:30 - 13:30		Lunch break	
13:30 - 14:00		Upgrade Analysis Lecture	<b>US</b>
14:00 – 14:30		Sharing of Perspectives / Feedback	
14:30 - 15:00		Tea break	
15:00-15:30		<b>Closing Ceremony : Distribution of certificates</b>	