

School Of Nuclear Security Studies



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Mission:

To impart training to security forces on application of physical protection systems and response procedures, to enhance physical security of nuclear facilities by developing and deploying most modern technological tools including information security, and to provide facilities for test and evaluation of sensors and systems used for physical security.

Programme Modules

- Formal Education and training
- Technological tools for physical security
- Personnel reliability studies
- Vulnerability studies
- Seismic monitoring
- Test and evaluation of sensors and systems

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➤ Research and Development:

In the frontier areas of Security Equipment, Systems and Sensors.



➤ Test and Evaluation:

Performance Testing and Evaluation of Systems and Sensors



➤ Training and Exercise:

Training of security force and guard force personnel

Training of Plant Personnel on Security aspects

Table top and near real time simulated and field exercises



➤ Computer / Information Security:

Information Security nuclear fuel cycle activities

Computer security for nuclear security systems and sensors.

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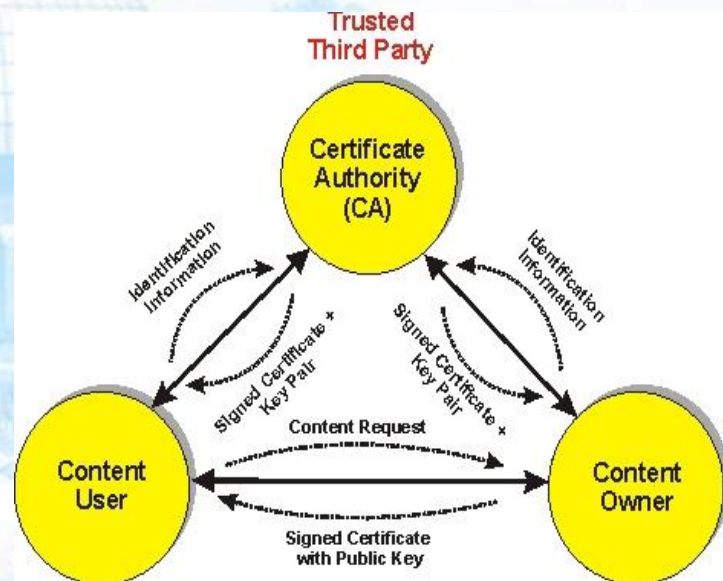
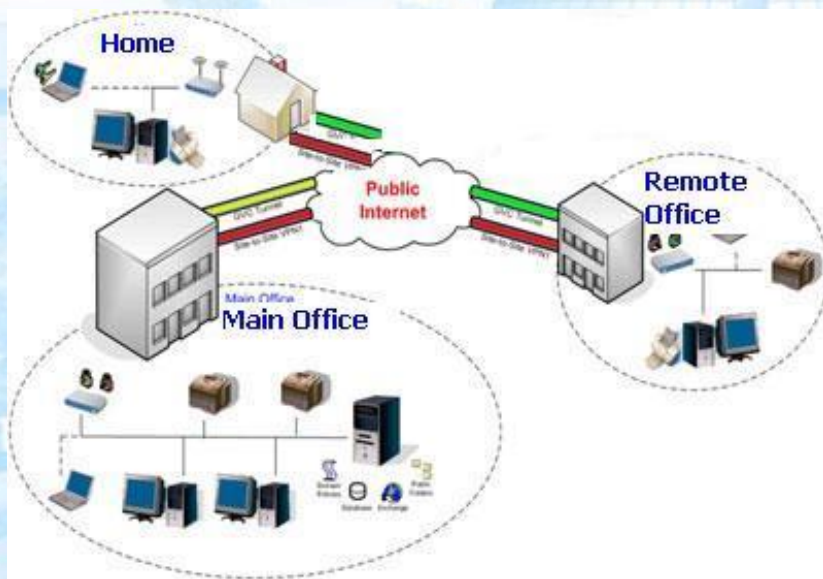
R & D Activities:



- Sensors and systems for security applications
- Systems for personnel and material access control, intrusion detection
- Personnel Reliability studies
- Surveillance, Video Analytics and advanced video tools
- Explosives and other contraband detection
- Radiation Detection Equipment
- Vulnerability Studies
- Nuclear Security Computer Simulation
- Secure Transportation
- Seismic and other monitoring.

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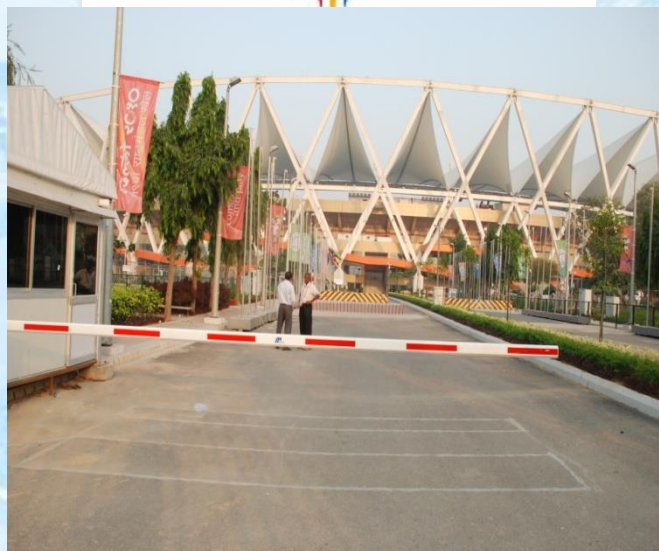
Computer security methodologies will be developed for protection of information related to entire nuclear fuel cycle activities including that of nuclear security.



- **Virtual Private Network**

- **Secure Information exchange using digital signature**

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Major Public Events – Commonwealth Games, New Delhi

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Regional Training Courses (RTC) / Workshops - Conducted



- RTC on Physical Protection of Nuclear Material and Nuclear Facilities (2003, 2004, 2005, 2007, 2009)
- RTC on Physical Protection of Radioactive Sources (2006)
- RTC on PP of NF against Sabotage, Assessing Vulnerabilities and Identifying Vital Areas (2011)
- National Course – Physical Protection against Sabotage and Vital Area Identification (2010)
- Total number trained – 204 (Foreign – 115, Indian – 89)
- Total number of Countries (participants) – 16 [Bangladesh, China, Egypt, Indonesia, Kazakhstan, Kyrgyzstan, Malaysia, Mongolia, Myanmar, Phillipine, Rep. of Korea, Saudi Arabia Sri Lanka, Thailand, UAE, Vietnam]
- Total number of Faculties– 94 (Foreign – 34, Indian – 60)
- Faculties from 10 Countries Australia, Czech Rep., France, Indonesia, Lithuania, Netherland, Russia, Spain, USA]