



Savitribai Phule Pune University

Department of Defence and Strategic Studies (DDSS)
Yashwantrao Chavan National Centre of International Security and
Defense Analysis
(YC-NISDA)
&
Strategic Culture and Security Foundation, Pune

Are organizing Three-Day Workshop

On

**Chemical, Biological, Radiological and Nuclear
(CBRN) Risk Mitigation and National Security**

Date: 11-13 February, 2020

Time: 10.30 am to 6.00 pm

Venue: YC-NISDA Library Hall, SPPU

Faculty Coordinators:

Sandip Javir, Asst. Prof, DDSS

P J Khache, Asst. Prof, DDSS

For Registration, please contact: ddss.conf@gmail.com

Dr. Vijay Khare
Professor and Head
Department of Defence and Strategic Studies

Three day Workshop
on
Chemical, Biological, Radiological and Nuclear Risk Mitigation and National Security
11 – 13 February 2020

Concept Note:

Chemical, Biological, Radiological and Nuclear (CBRN) security is a matter of grave concern for many nations today. CBRN security in India is still in its early stages. There is a need to look at it from a broader perspective of internal and regional security challenges that manifest in the form of CBRN terrorism, among others.

CBRN emergencies occur as a result of occupational exposure, fire, explosion, release of toxicants, and warfare, and are caused either by ignorance, negligence, incompetence, accident, or malicious intention. Accidental CBRN incidents are the events caused by human error or technological errors, such as factory spillage, accidental release or leakage of poisonous gas or liquids. A natural CBRN incident would be the outbreak of an infectious disease such as Ebola, swine flu, severe acute respiratory syndrome (S.A.R.S.), pandemic influenza and the current Coronavirus epidemic.

Owing to the global increase in terrorist activity and the procurement of mass destruction weapons by anti-state organizations, it has become highly essential for governments, armed forces and civilians to be involved in a strategic recognition, preparation, and prevention of CBRN threats. Such incidents would result in a larger population in a state of panic and fear, affecting their health and wellbeing. The impact is multipronged - physical, psychological, economical and social.

Growing industrialisation, increased imports of chemicals and machinery, coupled with lack of or non-stringent regulations on customs, safety and transportation lead to huge gaps in securing CBRN material. Waste management of toxic and hazardous substances is another key shortcoming. Awareness of CBRN threats and risk mitigation measures is necessary at all levels. There is an urgent need to educate and train all concerned stakeholders in CBRN risks and threats and the need to adopt risk mitigation measures.

A three day CBRN Risk Mitigation Workshop is planned to raise awareness on CBRN threats and their mitigation measures.

The workshop aims to cover:

- CBRN Threats
- International Initiatives towards CBRN Risk Mitigation
- Indian CBRN paradigm and response mechanism
- Means for CBRN detection, protection and decontamination
- Medical management and Hospital preparedness
- CBRN Security culture and Societal issues

A short Table Top Exercise is planned to generate interest and emphasise on the critical aspects of CBRN response planning and execution. A Certificate of Participation shall be awarded to all participants.

We invite all interested teachers, researcher, and students to participate in this workshop and enhance their CBRN knowledge and make our society a more secure place to live in.

Savitribai Phule Pune University
Department of Defence and Strategic Studies & YCNISDA
Jointly Organising Workshop on
CBRN Risk Mitigation and National Security (11-13 February, 2020)

Day and Time	Topic
11/02/2020	
Day 1	
10:30 – 10:40	Inaugural
10:45 – 11:20	Introduction - CBRN overview – Agents, Hazmat, Terms and Scope
11:20 – 11:30	Tea Break
11:30 – 12:20	CBRN Threats – Accidental, Waste Management- Environmental issues
12:25 – 13:00	CBRN Terrorism
13:00 – 14:00	Lunch Break
14:00 – 15:00	Global Initiatives – Treaties, Conventions and Protocols
15:00 – 15:20	Tea Break
15:20 – 16:00	International CBRN Cooperation, Initiatives and Project
12/02/2020	
Day 2	
10:30 – 11:20	India Prepares – Governance paradigm, Nodal and stockholder agencies, Laws and Acts
11:20 – 11:30	Tea Break
11:30 – 13:00	India Prepares - Response mechanism, Risk Assessment, Zoning and mapping –Detection and early warning systems and Methodology
13:00 – 14:00	Lunch Break
14:00 – 15:00	Protection from CBRN agents: Personal and Collective Protective Equipment
15:00 – 15:20	Tea Break
15:20 – 16:00	Decontamination
13/02/2020	
Day 3	
10:30 – 11:20	Medical Management and Hospital Preparedness
11:20 – 11:45	Societal Security - CBRN Security Culture
11:45 – 12:30	Information Security – Media, Social Media and Psychological warfare
12:30 – 13:15	TTE- Chemical and RDD
13:15 – 14:00	Lunch Break
14:00 – 14:30	TTE- Chemical and RDD
14:35 – 15:00	TTE- Chemical and RDD
15:00 – 15:20	Tea Break
15:20 – 15:40	Way Forward and Q & A Session
15:50 – 16:00	Closing Comments