



**HARYANA INSTITUTE OF PUBLIC ADMINISTRATION
GURUGRAM**



Haryana Institute of Public Administration

**e-ITEC Training Module on
Disaster Risk Reduction and Management
for Officers of Government of Kingdom of Cambodia**

(8-10 December, 2021)



Objective

The aim of the Disaster Risk Reduction and Management is to enhance knowledge and capability on disaster risk assessment, analysis, mitigation measures and forecasting and early warning to prevent loss of lives, economy and human suffering . Disaster risk within a country generally has its roots in development decisions that do not adequately address challenges of climate change. By not considering disaster risk measures in development planning new risks could be unintentionally created and existing ones also exacerbated through investments in infrastructure and public services, and through improper planning and regulation. Thus, Disaster Risk Reduction and Management is a core component of sustainable development. Developing resilience in the Resource Support System (natural and anthropogenic) and socio-economic functions are therefore prime concerns for reducing vulnerability and for prevention or mitigation of hazards from producing a disaster situation. Disaster Management was also discussed at the COP26 in Glasgow and now will be institutionalized in all economic, social and political mechanisms of a country's governance system. The training Programme will identify the challenges and address the opportunities of Disaster Risk Reduction (DRR) and need for disaster resilience including use of science and technology in Disaster Risk Reduction and Management.



Pedagogy

The training Programme will be conducted through lectures given by distinguished experts and scientists in Disaster Risk Management. After every lecture, there will be an interactive session providing an opportunity to the participants to ask questions or comment on the lecture. Reading material would be provided online to the participants for added information on the lectures of the training Programme. At the end of the training Programme, the participants will be assessed through a Google Quiz for their understanding of the whole Programme.



Corporate Governance, Accountability and Self-Motivation

Inaugural Session (Wednesday, 8 December 2021, 0900 hrs.)

0900-0910 hrs.	Welcome remarks by Mrs. Surina Rajan, Director General, HIPA
0910-0920 hrs.	Inaugural remarks by Mr. Dammu Ravi, Secretary (Economic Relations) Ministry of External Affairs
0920-0930 hrs.	Inaugural remarks by H.E. Ung Sean Ambassador of Cambodia, New Delhi
0930 hrs.	Vote of Thanks by Dr. Manveen Kaur



**Disaster Risk Reduction and Management
Wednesday, 8 December 2021 (1400-1410 hrs.)
Overview by Dr. Abhay Shrivastava,
Associate Professor
Haryana Institute of Public Administration
Gurugram, Haryana, India**

Dr. Abhay Shrivastava has a PhD in Sociology and has travelled widely, including to Japan, Germany to give lectures on training programmes on Disaster Management. He is the visiting Faculty for a number of prestigious universities including Jamia Milia Islamia University, New Delhi, Punjab University, Chandigarh, IIPA, Haryana Police Academy, National Institute of Health and Family Welfare and others. He has numerous publications to his credit including a book on “Bio-terrorism: Disgusting Face of Nature” and “Air Accidents”. He has conducted more than 450 training programmes for HIPA and other institutions.



First Lecture (Wednesday, 8 December 2021 , 0925 hrs.)

Disaster Risk Reduction Issues and Challenges

by Professor N. Vinod Chandra Menon

Prof. N. Vinod Chandra Menon is an alumnus of Kerala University and Jawaharlal Nehru University, New Delhi. He has over 37 years of working experience in the fields of disaster risk reduction, climate change adaptation and public policy analysis. He has worked as Professor (Disaster Management) in Yeshwantrao Chavan Academy of Development Administration (YASHADA), Pune, Government of Maharashtra's apex training institute for senior administrators and UNICEF India Country Office, New Delhi.

In 2005, he was nominated by the Prime Minister as a Founder Member of the National Disaster Management Authority (NDMA), Government of India, with the status of a Union Minister of State. He has worked in this capacity from 28th September 2005 until 27th September 2010. He is on the Governing Boards of several Indian and International Organisations and is one of the co-founders of Sphere India. He has been a Member of the High Powered Committee (HPC) on Disaster Management established by the Government of India in 1999. He is currently a member of the Peer Committee on "Technological Preparedness to Deal With National Disruptions" established by the Indian National Academy of Engineering (INAE). He is the Chief Mentor and Data Evangelist of India Excellence Foundation; Senior Advisor and Mentor of the International Institute of Information Technology (ISquareIT), Pune; Vice Chair of the TQC and TQAC Examination Committee of The International Emergency Management Society (TIEMS), Oslo and Brussels. He holds an International Emergency Management Certification TQC from TIEMS and is also the recipient of the SKOCH Challenger Award 2010.

He has published articles and has Co-edited a book on Humanitarian Logistics published by Springer.



Second Lecture (Wednesday, 8 December 2021 , 1410 hrs.)

Hydro-meteorological Disaster Risk Reduction Measures and its Linkages with Sustainable Development

**by Mr. Anil Sinha, IAS (Retd.), former Vice Chairman,
Bihar Disaster Management Authority**

Mr. Anil Sinha is Founder Vice-Chairman of Bihar State Disaster Management Authority. As Joint Secretary in Government of India, he handled major disasters. Was Member Secretary, High Powered Committee on Disaster Management and International Recovery Platform (IRP), UNDP in Kobe, Japan. In recognition of his exemplary services, he was handed over key to the city of Kobe.



Third Lecture (Thursday, 9 December 2021, 0905 hrs)

**Flood Risk Assessment and Management
by Dr. Jagadish Prasad Patra, Scientist
National Institute of Hydrology, Roorkee**

Dr. Jagadish Prasad Patra is working as a scientist at National Institute of Hydrology, Roorkee for more than 10 years. His primary research is focused on flood inundation modeling and flood risk management, design and modelling of drainage systems, hydrological modelling, water availability analysis etc. Obtained specialized training on “Flood Risk Management” at IHE Delft, with fellowship from the Netherlands’ Ministry of Foreign Affairs. Served as committee member to National Green Tribunal for demarcation of flood plains of Yamuna river at Agra. He has also provided flood protection and drainage plans for various nuclear and thermal power projects in India. Reviewed design for flood management for more than 25 dams and assessed the possible flood hazard due to dam failure for more than 10 dams.



Fourth Lecture (Thursday, 9 December 2021, 1410 hrs)
Drought Assessment and Management
by Dr. R. P. Pandey, Scientist G,
National Institute of Hydrology, Roorkee

Dr. Rajendra Prasad Pandey is working as 'Scientist G' & Head of Environmental Hydrology Division (EHD) in the National Institute of Hydrology, Roorkee, India. He is also working as Member-Secretary of Indian National Committee on Climate Change (INCCC) of Department of Water Resources, Ministry of Jal Shakti, Government of India. He has served as the Member **"Science-Policy-Interface (SPI)"** of the **United Nations Convention to Combat Desertification (UNCCD, 2014-2017)**. He has a B.Tech in Agricultural Engineering and an M.Tech in Soil and Water Engineering. He did his PhD on "Drought Characterization in Mid-Climatic Regions of India" from Department of Hydrology, IIT Roorkee. For the last 31 years, Dr Pandey has been conducting basic and applied research studies on various aspects of drought and climate change. He has authored and published 75 research papers in peer reviewed international/national journals. He has developed a new index for Drought Vulnerability Assessment.



Fifth Lecture (Thursday, 10 December 2021, 0905 hrs)

Flood & Cyclone Forecasting and Warning System in India by Dr. Mrutyunjay Mohapatra, Director General, Indian Meteorological Department

Dr. Mrutyunjay Mohapatra is the Director General of Meteorology, India Meteorological Department, Permanent Representative of India with WMO, and Member of Executive Council, WMO. He has a Ph.D in Physics with specialization in cyclone warning, and has been awarded Honorary D.Sc. by FM University, Balasore, and KIIT, Bhubaneswar.



Sixth Lecture (Thursday, 10 December 2021, 1410 hrs)
Tsunami Modeling, Forecasting and Warning System in India
by Mr. Ch. Patanjali Kumar
Scientist, Indian National Centre for Ocean Information Services (INCOIS),
Ministry of Earth Sciences, Govt. of India, Hyderabad

Mr. Ch. Patanjali Kumar is working as Scientist at Indian National Centre for Ocean Information Services (INCOIS), Ministry of Earth Sciences, Govt. of India, Hyderabad. He is one of the Senior Geophysicist at INCOIS and actively involved in setting up of Indian Tsunami Early Warning Center (ITEWC). His major contributions include development of Decision Support System (DSS), Numerical Modeling for tsunamis in Indian Ocean. His research interest includes geophysical inversion of Geodesy and Seismic in 'Integrated' approach. He is the work force in implementing the IOC-UNESCO Service Level II for entire Indian Ocean covering 25 Indian Ocean rim countries. He is representing TSP-India in the Intergovernmental Coordination Group for Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS) of IOC/UNESCO. Currently, he is Vice Chair for WG-2 of ICG/IOTWMS. He has proven record for 14 years in operational services and research. For his outstanding contributions in the field of Ocean Science & Technology, he was awarded "Certificate of Merit 2011" from Ministry of Earth Science and prestigious "National Geoscience Award 2010" from Ministry of Mines.

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Valedictory Session for all three Training Modules : Corporate Governance, Citizen-centric Governance and Disaster Management (Friday, 10 December 2021, 1615 hrs. Indian Standard Time (IST) which is 1745 hrs. Cambodian Standard Time)

1615-1620 hrs.IST	Summing up remarks by Amb (Retd) Dr. Kheya Bhattacharya
1620-1625 hrs.IST	Summing up remarks by Dr. Abhay Shrivastava
1625-1630 hrs.IST	Summing up remarks by Dr. Manveen Kaur
1630-1640 hrs.IST	Google Quiz
1640-1650 hrs.IST	Distribution of Certificates (online)
1650-1700 hrs.IST	Valedictory remarks by Mr. Sanjiv Aggarwal Counsellor, Embassy of India, Cambodia
1700-1710 hrs.IST	Concluding remarks by Mrs. Surina Rajan, Director General, HIPA
1710-1720 hrs.IST	Vote of Thanks by Dr. Abhay Shrivastava



Thank You