



Department of Science and Technology
Ministry of Science and Technology
Government of India

**Training Programme on
A Resilient Future
Science and Technology for Disaster Risk Reduction**
(for Scientists & Technologists working in the Government Sector)
(27th February - 03rd March, 2023)



Session Plan

| Time (hrs.) | Monday 27-02-2023 | Tuesday 28-02-2023 | Wednesday 01-03-2023 | Thursday 02-03-2023 | Friday 03-03-2023 |
|--------------|---|---|--|--|--|
| Themes | Science and Technology for Risk Assessment | Science and Technology for Early-Warning and Preparedness | Science and Technology for Disaster Response and Emergency Relief | Science and Technology for Prevention | Science and Technology for Resilience and Sustainable Development |
| 09:30 -10:20 | Visit to Lal Bahadur Shastri National Academy of Administration (09:15 -10:15 hrs.) | Application of Geospatial Technology for Disaster Risk Assessment & Management (V. Bhanu Murthy) | Early warning and Communication for Prevention and Management of Heatwave and Components of dynamic HAP (Rajashree Kotharkar) (Online) | Science and Technology for Post-Disaster Recovery and Reconstruction (Rajendra Desai) (Online) | Use of Real time GIS Data in Disaster Response (K H V Durga Rao) |
| 10:30 -11:20 | Disaster Risk Reduction for a Resilient Future (Shahid Iqbal Choudhary) | Capacity Building through Geo-Informatics & Geo-Spatial Technology for Disaster Risk Reduction (Harish C. Karnatak) | Landslide Risk Mitigation and Management: Strategies and Solutions for Slope Stabilisation & Rockfall Protection (Ashish D. Gharpure) | Panel Discussion on Technological Applications in Industrial Chemical Emergencies and CBRN (Rakesh Dubey) (D T Selvam) | Science and Technology for Disaster Risk Reduction (Sanjay Joshi) |
| 11:20 -11:50 | Tea/ Coffee Break | | | | |
| 11:50 -12:40 | Transfer of Technologies from Lab to Land and Knowledge Sharing for Efficient Governance (Nitin Maurya) | Role of Technology in Last Mile Communication- Initiatives (Neha Satak) | Multi-hazard Early warning and EOC - Available modern Technologies to ensure preventive approach. (Sanjay Kumar Srivastava) | eForestFire-Himalayan Forest Fire Prediction- An e governance initiative for predicting forest fires (Abdul Qayum) | Science and Technology for Resilience and Sustainable Development (V B Mathur) |
| 12:50 -13:40 | Protection of Built-Environment from Earthquakes - Through Mitigation and Preparedness Efforts (R. Pradeep Kumar) | Presentations by participants | GIS & Location Intelligence in Managing Disasters (Aniruddha Roy) | Enhancing State Preparedness in Disasters through New Technologies (Seema Joshi) | Valediction |
| 13:40 -14:40 | Lunch Break | | | | |
| 14:40 -15:30 | Presentations by participants | "2040" documentary film (Damon Gameau) | Mussoorie Visit | Presentations by participants | |
| 15:40 -16:20 | Inaugural Session & Group Photograph followed by High tea | Tea/ Coffee Break | | | |

Details of Resource Persons and Moderators

- 1) **Dr. Shahid Iqbal Choudhary**, IAS, CEO, Mission Youth & Secretary, Tribal Affairs Department, Govt of Jammu and Kashmir (**Moderator: Shri. H. Sankara Subramanian**)
- 2) **Dr. Nitin Maurya**, Senior Scientist & Head, Dissemination and Social Diffusion (DSD) & In-Charge (North India Cell and North East Cell), National Innovation Foundation - India, Department of Science and Technology, Government of India, Gandhinagar (**Moderator: Shri G. Ramesh Babu**)
- 3) **Prof. R. Pradeep Kumar**, Director, CSIR- Central Building Research Institute (CBRI), Ministry of Science & Technology, Govt. of India, Roorkee (**Moderator: Shri B. Mohan**)
- 4) **Dr. V. Bhanu Murthy**, Associate Director (retd.), National Remote Sensing Centre (NRSC), Indian Space Research Organisation (ISRO), Department of Space, Govt. of India, Hyderabad (**Moderator: Ms. Bindia Sahu**)
- 5) **Dr. Harish C. Karnatak**, Scientist/Engineer - SG & Head, Geoweb Services. IT & Distance Learning (GIT&DL) Department, Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO), Department of Space, Government of India, Dehradun (**Moderator: Shri Hari Shankar**)
- 6) **Dr. Neha Satak**, Co-founder and CEO, Astrome Technologies Pvt. Ltd., Bengaluru (**Moderator: Shri H. B. Shrivastava**)
- 7) **Dr. Rajashree Kotharkar**, Professor & Former Head Department of Architecture and Planning, Visvesvaraya National Institute of Technology (VNIT), Nagpur (**Moderator: Dr. V D Shivling**)
- 8) **Shri Ashish D. Gharpure**, Managing Director, Genstru (Geotechnical Engineering) Consultants Pvt. Ltd., Pune (**Moderator: Dr. Varsha Liju**)
- 9) **Col. Sanjay Srivastava**, Chairman, Climate Resilient Observing-Systems Promotion Council (CROPC) & Convener, Lightning Resilient India Campaign (CROPC-IMD MoES initiative), New Delhi (**Moderator: Dr. Ramappa G. Patil**)
- 10) **Dr. Aniruddha Roy**, Chief Technology Officer, Genesys International Corporation Ltd., & Co-Chair FICCI National Council of Geospatial Technology, Mumbai (**Moderator: Dr. Ram Kumar Dhaked**)
- 11) **Shri Rajendra Desai**, Honorary Joint Director, Centre for Ecocentric Development and Peoples'-action (CEDAP), Ahmedabad (**Moderator: Dr. Aditya Dharmadhikari**)
- 12) **Dr. Rakesh Dubey**, Former Director, Disaster Management Institute (DMI), Bhopal & Chief Executive Officer, ERDMP Academy, Bhopal (**Moderator: Dr. S. Ramachandran**)
- 13) **Dr. D T Selvam**, Dr. D.T. Selvam, Scientist 'F' & Director (Project Management), O/o Director General Life Sciences (DGLS), Defence Research & Development Organization (DRDO), Ministry of Defence, Government of India, New Delhi (**Moderator: Dr. Johnsy George**)
- 14) **Dr. Abdul Qayum**, IFS, Deputy Conservator of Forests, Chandigarh & Addl. CEO, Renewal Energy and Science & Technology Promotion Society'(CREST), Department of Science and Technology & Renewable Energy, Chandigarh Administration, Chandigarh (**Moderator: Dr. Sahadev Chouhan**)
- 15) **Dr. Seema Joshi**, Vice President & Head, Strategic Initiatives, Esri India Technologies Private Limited, Noida (**Moderator: Shri R. Vigneswaran**)
- 16) **Dr. K H V Durga Rao**, Group Director, Disaster Management Support Group, National Remote Sensing Centre (NRSC), Indian Space Research Organisation, Department of Space, Government of India, Hyderabad (**Moderator: Shri Rakesh Kumar Singh**)
- 17) **Dr. Sanjay Joshi**, Professor, Lal Bahadur Shastri National Academy of Administration, Mussoorie (**Moderator: Shri Riyas Mooppan. O.M.**)
- 18) **Dr. Vinod B. Mathur**, IFS (retd.), Former Chairperson, National Biodiversity Authority of India & Former Director, Wildlife Institute of India, Dehradun (**Moderator: Dr. Nitin Sharma**)