

**Three-day Training Program on
Disaster Risk Reduction (DRR) for Extreme Weather Events and Coastal Hazards in Tamil Nadu
Programme Schedule**

Date	Time	Session	Session	Faculty
23.09.2026 (Wednesday)	09:30 -10:00	Inagural	Registration of Participants	—
	10:00 - 10:25		Welcome Address & felicitation of dignitaries	NIDM & TNDRRA
	10:25 -10:30		Context Setting for the Programme	Dr. Chinmoyee Mallik ,Head,DRRD, NIDM
	10:30 - 10:45		Signing of MoU	NIDM & TNSDMA
	10:45 - 11:00	Tea Break		
	11:00 -11:15		Group Photograph	
23.09.2026 (Wednesday)	11:15 -12:15	Session 1:	Basics of Disaster Management -Hazard, disaster, risk, vulnerability, capacity; DM cycle (prevention, mitigation, preparedness, response, recovery); DM Act 2005 overview	Dr. Chinmoyee Mallik, NIDM
	12:15 -13:00	Session 2:	Institutional Framework for DM in India & Tamil Nadu -NDMA, NIDM, SDMA's, DDMA's; roles of Home Dept, Fire & Rescue, Health, Revenue;coordination mechanisms	TNDRRA – Dr. Muruganatham ,Expert capacity building and training .
	13:00 - 14:00	Lunch Break		
	14.00 - 14:45	Session 3:	Hazard Profile of Tamil Nadu -Cyclones(Bay of Bengal), floods, droughts, heatwaves, lightning, earthquake (Zone II/III), tsunami; historical events (2004 tsunami, 2015 Chennai floods, 2023 cyclones); sectoral impacts	TNDRRA –T.Kanthimathinathan Water Resources Management (Hydrology & Flood Control Expert)
	14:45 -15:30	Session 4:	Climate risk assessment and adaptation plan for coastal sector of Tamil Nadu	Dr..S.Kanmani Director, Centre for Climate Change and Disaster Management, Anna University
	15:30 - 15:45	Tea Break		
	15:45 - 17:00	Session 5:	TN-SMART & TN ALERT - Alert Dissemination System - Decision support tools, customization for Tamil Nadu (TNDRRA collaboration), integration with SEOC workflows	TNDRRA- J Bharath Senior Project Manager, TNSIDM & Dr. T. German Amali Jacintha,GIS Specialist

Date	Time	Session	Session	Faculty
24.09.2026 (Thursday)	09:30 -11:00	Session 6:	Cyclone Hazard with respect to Tamil Nadu -Formation conditions (SST >27°C, Coriolis, low shear), structure (eye, eyewall), tracks in Bay of Bengal, rapid intensification; case studies (Cyclone Gaja,Vardah, Michaung)	Dr. G. Chinna Satyanarayana, NIDM
	11:00 -11:15	Tea Break		
	11:15 -12:30	Session 7:	Cyclone Management & Preparedness -Pre-monsoon preparedness, evacuation planning, shelter management, early warning dissemination (IMD, INCOIS), NCRMP lessons; role of fisher communities,ports, coastal infrastructure	Dr. Chinmoyee Mallik, NIDM
	12:30 -1:30	Session 8:	Drought & Flood with respect to Tamil Nadu: Hazard, Mitigation and Preparedness	Shri Manjeet Singh, NIDM
	13:00 -14:00	Lunch Break		
	14:00 -15:30	Session 9:	Disaster Risk Reduction for Long term preparedness	Shri Vivek Venkataramani, Associate Director, WRI India &TN Green Climate Company
	15:30 -15:45	Tea Break		
	15:45 -16:30	Session 10:	Heatwaves Hazard with special reference to Tamil Nadu -Heatwave definition (IMD criteria), occurrence patterns,classification	Shri Manjeet Singh, NIDM
	16:30 -17:30	Session 11:	Heatwaves -Impacts & Management -Physiological impacts, vulnerable groups (elderly, outdoor workers), urban vs rural heat stress; Tamil Nadu's Heat Action Plan 2026, ward-level protocols, cooling strategies	Shri Manjeet Singh, NIDM
25.09.2026 (Friday)	09:30 -11:00	Session 12:	Cool by Design, Cool by Nature	Dr.Prasanna venkatesh, Climate Change Expert,TNGCC
	11:00 -11:15	Tea Break		
	11:15 -12:00	Session 13:	Extreme Weather Events, Climate Change and Increasing Risks with special reference to El Nino-Trends in extreme events, warming Bay of Bengal, erratic monsoons, urban heat island effects, compound hazards;implications for Tamil Nadu's coastal and urban planning	Dr. G. Chinna Satyanarayana, NIDM
	12:00 -13:00	Session 14:	Real-Time Flood Forecasting for Early Warning and Decision Support: Role of IFMC and the Chennai Flood Forecasting System (CRTFF)	TNDRRA-Dr.Krithika, Senior Hydromodeller IFMC
	13:00 -14:00	Lunch Break		
	14:00 -15:00	Session 15:	Early Warning Systems (EWS) & Emerging Technology in DM -IMD cyclone/heatwave bulletins, INCOIS tsunami/storm surge, CWC flood forecasts; last-mile connectivity, SMS/IVRS, community radio, fisherfolk alert systems, Drones for damage assessment, AI/ML for flood/cyclone forecasting, GIS for vulnerability mapping, mobile apps for crowd-sourced data, social media monitoring, blockchain for relief tracking	Dr. G. Chinna Satyanarayana, NIDM
	15:00 – 15:45	Session 16:	Disaster Risk Financing for resilience with special reference to EWEs	Dr. Chinmoyee Mallik, NIDM
	15:45 – 16:00	Tea Break		
	16:00 -17:00		Valedictory Session -Certificates, feedback, way forward	TNDRRA / NIDM Representative