12. Schedule of Programme

The tentative schedule of the proposed capacity building programme is mentioned below:

Day – 1: 19th Aug 2025			
Time	**Session**	**Session Details/ Objectives**	**Resource**
8.30-10.00	**Breakfast**		
9.30-10.00	**Registration**	• Online registration of participants • Training kit distribution • Safety briefing • Facility briefing	**GIDM**
10.00 –10.30	**Pre-Test & Introduction of Participants**	• About GIDM • Introduction of participants • Introduction of Facilitators/Coordinators • Pre-Test	**GIDM**
10.30-11.45	**Understanding of Disaster Risk Management (DRM) in the context of Urban Floods**	At the end of the session participants would be able to understand: • *Understanding 'Disaster Risk' through Hazards, Exposure, Vulnerability and Capacity components* • *Policy & Governance in DRM* • *Key principles of Disaster Risk Reduction (DRR)* • *Emerging trends in disaster management and infrastructure resilience*	**GIDM**
11.45-12.00	**Tea break**		
12.00–13.30	**Urban Flood Risk & Vulnerabilities**	At the end of the session participants would be able to understand: • *Definition and distinction from riverine or flash floods* • *Why urban areas are uniquely vulnerable* • *Risk factors of Urban flooding; Meteorological factors, Hydrological factors and Human factors* • *Socio-Economic & Environmental vulnerabilities* • *Climate change & meteorological drivers*	**NDMA**
13.30-14.30	**Lunch break**		
14.30-15.45	**Urban Hydrology & Drainage Systems;**	At the end of the session participants would be able to understand: • *Basics of urban hydrology and runoff* • *Urban drainage planning: natural vs. engineered systems* • *Stormwater management and issues with current infrastructure* • *Operation & maintenance of drains and outfalls*	**IIT-Gandhinagar**
15.45-16.00	**Tea break**		

16.00 -17.00	**Forecasting & Measuring Rainfall for Urban Floods**	At the end of the session participants would be able to understand: • *Terminologies of rainfall parameters* • *Rainfall forecasting and interpreting rainfall data* • *Impact based weather forecast* • *Early warning tools for community*	**IMD, Ahmedabad**
Day -2: 20th Aug 2025			
9.00-10.00	**Breakfast**		
10.30-11.45	**Nature Based Solutions (NbS) for Urban Flooding**	At the end of the session participants would be able to understand: • *Concept, Principles and Benefits* • *Comparison with conventional flood control methods* • *Policies Supporting NbS* • *Implementation Challenges & Solutions* • *Types of NbS: Green Roofs, Urban Forest & Green Belt, Permeable Surfaces, Wetlands & Urban Ponds, River Restoration & Floodplain Reconnection, Urban Parks with detention functions, Sponge City Concept*	**Centre for Science & Environment (CSE)**
11.45-12.00	**Tea break**		
12.00-13.00	**Institutional Frameworks & Policy Landscape**	At the end of the session participants would be able to understand: • *National/State-level urban flood risk initiatives (e.g., AMRUT, NULM, NCRMP)* • *Urban flood management responsibilities of ULBs, SDRFs, Urban Dev. Dept.* • *Review of municipal bye-laws and building codes*	**Town Planning Dept.**
13.00-14.00	**LUNCH break**		
14.00-15.30	**Urban Flood Risk Management- Case Study of Mumbai Floods/Chennai Floods**	At the end of the session participants would be able to understand: • *Background & historical flood events* • *Impact of urban flood on various sectors* • *Preparedness measures & response mechanism of the administration* • *Resilience building measures & gaps* • *Lessons Learned & Way Forward*	**Representative from Municipal Corporation of Mumbai/ Chennai**
15.30-15.45	**Tea break**		
15.45-16.45	**Integrating Solid Waste Management in Urban Flood Risk Reduction**	At the end of the session participants would be able to: • *Linkages Between Solid Waste Management and Urban Flooding* • *Hotspot Mapping of Waste Dumping & Drain Blockage*	**NIUA**

		• *Design & Maintenance of Stormwater Infrastructure in consideration with Solid Waste Management* • *Community level initiatives* • *Technological interventions in Solid Waste Management*	
16.45-17.00	**Valedictory Session**	• Post-test • Feedback • Certificate distribution • Group Photo	**GIDM**

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