

# Advanced Disaster Management Training

Duration: 2 days

## Day 1: Strategic Frameworks and Integrated Disaster Risk Management

### 1. Introduction to Advanced Disaster Management

- Recap of Disaster Management Fundamentals
- The Disaster Risk Management Cycle (Prevention, Mitigation, Preparedness, Response, Recovery)
- Key Global Frameworks (Sendai Framework, SDGs, Paris Agreement)
- Current and Emerging Global Risks (climate change, pandemics, cyber threats)

### 2. Risk Assessment and Hazard Mapping

- Multi-Hazard Risk Identification
- Vulnerability and Capacity Analysis
- Tools and Techniques for Hazard Mapping (GIS, remote sensing)
- Risk Profiling at Local, Regional, and National Levels

### 3. Advanced Disaster Preparedness Planning

- Contingency Planning and Scenario Building
- Early Warning Systems and Technology
- Resource and Logistics Planning
- Role of Simulation Exercises and Drills

### 4. Policy, Governance, and Legal Frameworks

- National and International Policy Instruments
- Institutional Roles and Responsibilities
- Disaster Management Authorities and Structures
- Integrating Disaster Risk Reduction (DRR) into Development Planning

### 5. Stakeholder Engagement and Community-Based DRR

- Public Awareness and Communication Strategies
- Working with Local Communities, NGOs, and Private Sector

- Indigenous Knowledge and Traditional Practices
  - Inclusive Planning: Gender, Age, and Disability Considerations
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## Day 2: Crisis Response, Recovery, and Resilience Building

### 1. Emergency Response Coordination

- Incident Command Systems and Operations Centers
- Multi-Agency Coordination (Health, Defense, Civil Supplies, etc.)
- Crisis Communication and Information Dissemination
- Case Studies of Major Emergency Responses

### 2. Post-Disaster Recovery and Rehabilitation

- Damage and Needs Assessment
- Recovery Planning and Prioritization
- Livelihood Restoration and Infrastructure Rebuilding
- Financial Tools for Recovery (Insurance, Relief Funds, Donor Aid)

### 3. Disaster-Resilient Infrastructure and Urban Planning

- Principles of Resilient Design
- Retrofitting and Risk-Proofing Infrastructure
- Smart Cities and Climate-Resilient Urban Planning
- Building Codes and Compliance

### 4. Role of Technology and Innovation

- Use of AI, Drones, Mobile Apps, and IoT in Disaster Management
- Predictive Analytics for Forecasting Disasters
- Real-time Data and Dashboards for Decision Making
- Blockchain and Digital Tools for Relief Distribution

### 5. Designing and Conducting Tabletop Exercises

- Developing Scenarios for Risk-Based Drills
- Running Tabletop Simulations
- Evaluating Response Effectiveness
- Action Plans for Continuous Improvement

