

15BPLN-705: Disaster Mitigation and Management

INTENT:

The primary intent of the course is to provide overall understanding about concept, management, mechanism, risk mitigation strategy, preparedness of disaster and also about post disaster management & cross cutting issues in order to integrate the Spatial Planning/Designing and Disaster/Mitigation Management.

COURSE CONTENT:

Module 1: Basic Concepts of Disaster Management

Disaster - definitions, concept and perceptions; Different types of disasters; Recent initiatives at national and state level; Kyoto Framework of disaster mitigation and management; Disaster management policy - national and states; Disaster Management Act - national and states;

Module 2: Disaster Management Mechanisms & Disaster Risk Mitigation

Disaster management mechanisms - national, state and district levels; Select global practices; disaster and development; Physical planning and disaster management plans; Various role players in disaster management - NGOs / CBOs and Armed Forces; Community Based Disaster Preparedness (CBDP); Natural Disasters - physical phenomenon, causes and consequences mitigation and management practices - cyclones, floods, earthquakes, landslides etc.; Causes and risk mitigation strategies at the master plan for industrial, chemical and biological disasters; Land use planning, building bye laws and disaster safe construction practices for different types of disasters.

Module 3: Disaster Preparedness

Forecasting and early warning systems for various types of disasters; Communication and information technology in disaster management; Disaster education and awareness; Documentation and case studies on natural disasters; Urbanization, land requirements, social and affordability issues of land use, climate change and its implications in disaster mitigation.

Module 4: Post Disaster Management and Cross Cutting Issues

Post disaster management; Rehabilitation and reconstruction of disaster affected areas; Urban disaster mitigation; Natural resource management for disaster safe habitation; Relationship between disaster and environment; safe hill area development guidelines and coastal zone regulations for safe habitation; Human settlement planning for consequence mitigation of global warming and climate change through.

References:

1. *Annual Report of NIDM*

2. *ToT Module on Gender and Disaster Management*
3. *R. K. Sahoo; Management and Mitigation of Natural Disasters*
4. *W.Nick Carter; A Disaster Manager's Handbook, Asian Development Bank*
5. *URDPFI Guidelines; Govt. of India*