

## AR733 **DISASTER RESISTANT ARCHITECTURE** (3-0-0)

**Objectives:** Aims to focus on the complexities involved in developing disaster resistant buildings, formulating the management plan and understanding the design guidelines in disaster resistant construction.

### **Module-1**

Introduction to over view of disaster, major natural disasters- flood, tropical cyclone, droughts, landslides, heat waves, earthquakes, fire hazards etc. Factors for disasters. Basic understanding on fragile eco system, physiographic and geo chemical data mapping, soil and topography, Hydrological factors, inclement climatic conditions.

### **Module-2**

Strategies for disaster prevention and mitigation. Disaster management plan, National crisis management committee, state management group.

### **Module-3**

Design guidelines in disaster proofing construction. Engineering, Agricultural, Architectural, landscaping and planning solution for different type of calamities. Norms, standard, practice procedure for shelter and settlement. Organizational and management aspect.