



आपदा न्यूनीकरण एवं प्रबन्धन उत्कृष्टता केन्द्र, भारतीय प्रौद्योगिकी संस्थान रुड़की,

रुड़की – 247667

CENTRE OF EXCELLENCE IN DISASTER MITIGATION & MANAGEMENT, 3<sup>rd</sup> Floor,  
New Building, Opposite Biotechnology Department

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1. Subject Code : **DMN-609** Course Title: **Socio Economic Aspects of Disaster Management**
2. Contact Hours: **L: 3 T: 1 P: 0**
3. Examination Duration (Hrs.): **Theory: 3 Practical: 0**
4. Relative Weightage: **CWS 25 PRS 0 MTE 25 ETE 50 PRE 0**
5. Credits: **4** 6. Semester: **Spring** 7. Subject Area: **PEC** 8. Pre-requisite: **Nil**
9. Objective: To focus on the socio economic aspects of disaster management and its impact on the mankind.

10. Details of Course:

Sl. No.	Particulars	Contact Hours
1.	<b>Introduction to disaster management:</b> Definition and Introduction to social and economic factors that affect the life of the people. Impact of the disasters on the social and economic fabric of the people living in the disaster prone areas. Assessment of the economic loss and disturbance of emotional stability along with human and material loss and its recoupment. Impact upon future generations living in the disaster prone areas and their preparedness for any such kind of happenings. A collective approach to deal with any kind of disastrous happenings.	<b>07</b>
2.	<b>Emerging approaches in disaster management:</b> 1. Pre- disaster stage (preparedness) (a) Preparing hazard zonation and maps, Predictability/ forecasting & warning (b) Preparing disaster preparedness plan (c) Land use and zoning (d) Preparedness through (IEC) Information, education & Communication, 2. Emergency Stage (a) Rescue training for search & operations at national & regional level (b) Immediate relief (c) Assessment surveys 3. Post Disaster stage-Rehabilitation.	<b>12</b>
3.	<b>Institutional setup &amp; programmes in India:</b> Institutions & National Centers for Natural Disaster reduction, Environmental Legislations in India, Awareness, Conservation Movement, Education & training, Voluntary action, voluntary organization and non-government organizations and their role in Disaster Management. Social Action Groups, Advocacy Initiatives, Civil Society Organizations and Social Movements and their role in disaster management.	<b>08</b>
4.	<b>Standardization of the assessment of economic and social aspects:</b> Standardization of the assessment of economic, social and environmental aspects/losses of disaster management for comparative purposes and for an approach that reflects the reality on the community level. Community-based disaster management. Risk sharing and risk transfer (Insurance). Valuation of losses. Response strategies at National, Regional and community level.	<b>8</b>
5.	<b>Knowledge Management:</b> Disaster knowledge management at international, national and regional level and strategies of handling disasters. Sharing of disaster handling strategies at all levels. Case studies focusing on socio-economic and technical issues related to disasters about India, China, Indonesia and other Asian countries who have suffered from disasters.	<b>07</b>
	<b>Total</b>	<b>42</b>

11. Suggested Books :

Sl. No.	Name of Books/Authors	Year of Publication
1	Management: A Global Perspective, Weihrich, H. and Koontz, H., New York, McGraw Hill	2006
2	Disaster Management: A Disaster Managers Handbook, Carter, W.N., Manila, ADB.	2006
3	Mohanty, Ranjita and Prayag Mehta, NGOs and Civil Society, New Delhi: Sanskriti Publications.	2002
4	Siwach, Raj Kumar Voluntary Organizations and Social Welfare, Shanker Publications, Delhi,	2004
5	R.B. Singh (Ed) Disaster Management, Rawat Publication, New Delhi.	2000
6	Management, Stoner, J.A.F. and Freeman, R.E., Prentice-Hall, New Delhi	2004