



STANLEY

COLLEGE OF ENGINEERING & TECHNOLOGY FOR WOMEN
(Approved by AICTE , New Delhi | Affiliated to Osmania University ,Hyderabad)
Address : Chapel Road, Abids ,Hyderabad

CE 452

DISASTER MITIGATION AND MANAGEMENT

UNIT-I

Introduction - Natural, human induced and human made disasters international decade of disaster reduction.

UNIT-II

Natural Disasters - Hydrometereological based disasters - Trophfcal cyclones, floods, drought and desertification - Zones Geographical based disasters - Earth quake, Tsunammis, Landslides and avalanches.

UNIT-III

Human induced hazards -chemical industrial hazards, major power breakdowns, traffic accidents, etc.

UNIT-IV

Use of remote sensing and GISI disaster mitigation and management

UNIT-V

Rich and vulnerability to disaster - mitigation and management options warning and forecasting

Suggested Reading:

1.Rajib, S and Krishna Murthy, R. R (2012) “*Disaster Management global Challenges and Local Solutions*” Universities Press, Hyderabad.

2.Navele, P & Raja, C. K (2009), *Earth and atmospheric Disasters Management, Natural and Manmade.*- B. S. Publications, Hyderabad.

3.Fearn-Banks, K (2011), *Crises computations approach: A case book approach.*

4.*Special Indian Education*, Route ledge Publishers, New York & London.

5.Battacharya, T. (2012), *Disaster Science and Management*, Tata McGraw Hill Company, New Delhi.