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| **PROGRAM** | **Master of Business Administration** |
| **SEMESTER** | **IV** |
| **COURSE TITLE** | **Preparedness and Response in Disaster** |
| **COURSE CODE** | **04MB0439** |
| **COURSE CREDITS** | **3** |
| **COURSE DURATION** | **42 sessions** |

**COURSE OUTCOMES:**

* Understand the different types of disaster.
* Create a strategy for vulnerability reduction.
* Understand, analyze, and create plan, prediction, early warnings and safety measures of disaster.
* Understand the disaster response.
* Analyze the role of government and NGO

**COURSE CONTENTS:**

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| **Unit No** | **Unit / Sub Unit** | **Session** |
| **I** | **Module 1: Introduction on Disaster**  Different Types of Disaster:  Natural Disaster: such as Flood, Cyclone, Earthquakes, and Landslides etc. Man-made Disaster: such as Fire, Industrial Pollution, Nuclear Disaster, Biological Disasters, Accidents (Air, Sea, Rail & Road), Structural failures(Building and Bridge), War & Terrorism etc., Causes, effects and practical examples for all disasters. | 10 |
| **II** | **Module 2: Risk and Vulnerability Analysis**  Risk : Its concept and analysis, Risk Reduction, Vulnerability : Its concept and analysis , Strategic Development for Vulnerability Reduction | 8 |
| **III** | **Module 3: Disaster Preparedness**  Disaster Preparedness: Concept and Nature  Disaster Preparedness: Plan, Prediction, Early Warnings and Safety Measures of Disaster. | 6 |
| **IV** | **Module 4: Disaster Response**  Disaster Response : Introduction, Disaster Response Plan, Communication, Participation, and Activation of Emergency Preparedness Plan, Search, Rescue, Evacuation and Logistic Management | 8 |
| **V** | **Module 5: Role of Government and NGO** Role of Government, International and NGO Bodies, Role of IT in Disaster Preparedness, Role of Engineers on Disaster Management. Role of Information, Education, Communication, and Training, Relief and Recovery, Medical Health Response to Different Disasters. | 10 |

**EVALUATION:**

The students will be evaluated on a continuous basis and broadly follow the scheme given below:

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|  | **Component** | **Weightage** |
| A | Continuous Evaluation Component (Assignment/ Quiz/ Class participation/ presentation/ etc., | 20%(C.E.C) |
| B | Internal assessment | 30%(I.A) |
| C | End- Semester Examination | 50% (External assessment) |

**SUGGESTED READINGS:**

**Text Books:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No** | **Author/s** | **Name of the Book** | **Publisher** | **Edition and Year** |
| **T-01** | Dr.Mrinalini Pandey | Disaster Management | Wiley India | latest |
| **T-02** | Tushar Bhattacharya | Disaster Science and Management | McGraw Hill. | latest |
| **T-03** | Jagbir Singh | Disaster Management : Future  Challenges and Opportunities | K W Publishers Pvt. Ltd. | latest |

**Reference Books:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No** | **Author/s** | **Name of the Book** | **Publisher** | **Edition and Year** |
| R-01 | J. P. Singhal | Disaster Management | Laxmi Publications | latest |
| R-02 | Shailesh, Shukla, Shamna  Hussain | Biodiversity, Environment and  Disaster Management | Unique Publications | latest |
| R-03 | C. K. Rajan, Navale  Pandharinath | Earth and atmospheric Disaster  Management: Nature& Manmade | B.S Publication | latest |