



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

An Autonomous Institute

(Approved by A.I.C.T.E. & Permanently Affiliated to JNTUGV)

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An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute.

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A robust **Safety, Security, and Disaster Management** plan for an engineering college should encompass preventative measures, structural integrity, rapid response protocols, and continuous training. The key points can be categorized as follows:

Security Measures

These focus on protecting personnel, property, and sensitive information from threats.

- **Access Control:**
 - Implement **ID card-based or biometric access** to restricted areas like laboratories, server rooms, and hostel buildings.
 - Maintain a strict **visitor management system** with sign-in/sign-out procedures and mandatory visitor passes.
 - Employ **24/7 manned security** at all campus entry/exit points and high-traffic areas.
- **Surveillance and Monitoring:**
 - Install and maintain an adequate network of **CCTV cameras** across the entire campus, including classrooms, labs, common areas, parking lots, and perimeter.
 - Establish a **centralized security control room** for continuous monitoring and rapid response coordination.
- **Cyber Security (Data Protection):**
 - Implement best practices for **data encryption**, access control, and network security to protect academic and personal data (e.g., student records, research data, financial information).
 - Conduct **regular IT security audits** and vulnerability assessments.

Safety and Health Protocols

This ensures a safe working and learning environment, especially in engineering-specific areas.

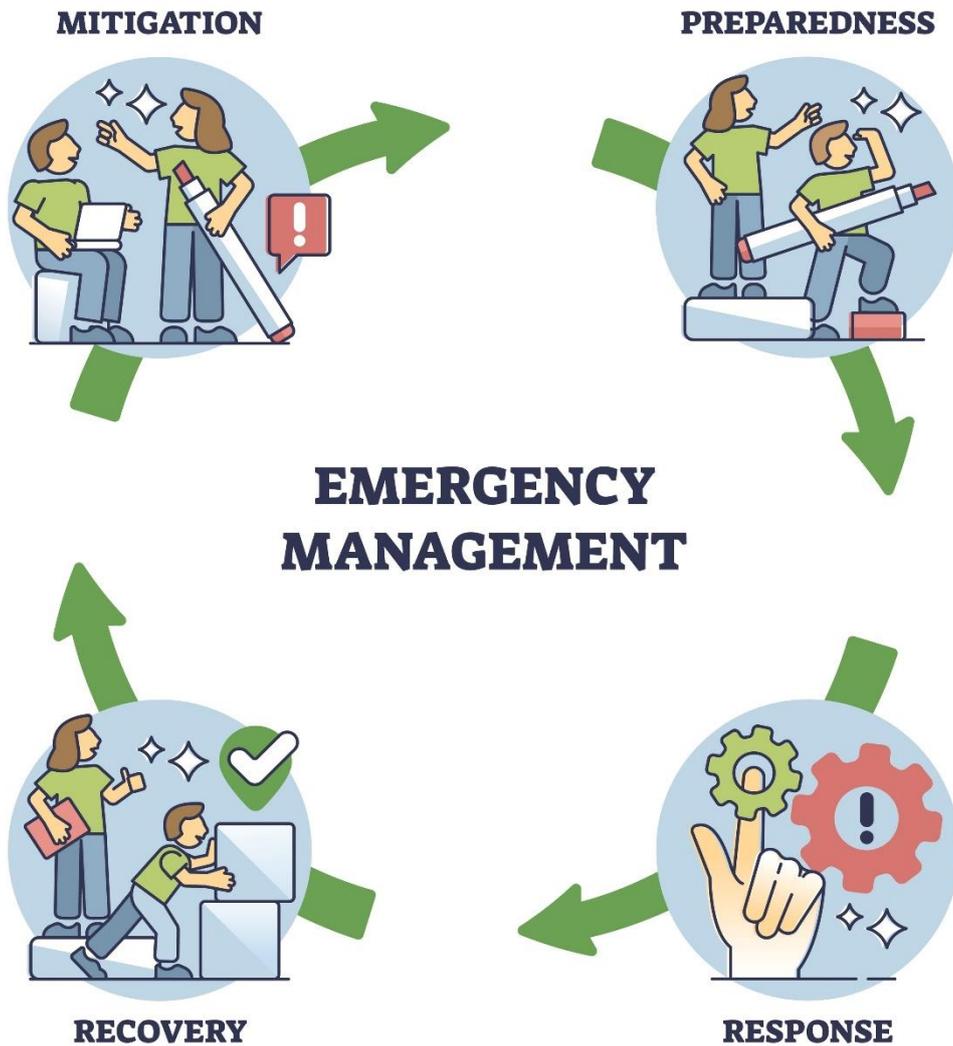
- **Laboratory Safety:**
 - Strict enforcement of **safety regulations** in all engineering labs (chemical, mechanical, electrical, etc.).
 - Mandatory use of **Personal Protective Equipment (PPE)**, such as goggles, gloves, and lab coats.
 - Regular inspection and maintenance of equipment, including the proper handling and disposal of **hazardous materials**.
- **Occupational Health:**
 - Provide a well-equipped **First-Aid/Medical Room** on campus with trained personnel.
 - Establish **tie-ups with nearby hospitals** for emergency medical services and ambulance availability.
- **Structural Safety:**
 - Conduct **periodic structural stability assessments** of all buildings, especially older ones, to ensure resistance to local hazards (e.g., seismic activity).

Disaster Management Planning (DM)

The DM plan should be holistic, covering all phases: Prevention, Mitigation, Preparedness, Response, and Recovery.

1. Planning and Organisation

- **Disaster Management Committee:** Form a dedicated committee (chaired by the Principal) with members from faculty, administration, security, and student representatives.



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- **Hazard and Vulnerability Assessment (HVA):** Identify all potential hazards relevant to the college's location (e.g., earthquake, fire, flood, power grid failure, civil unrest).
- **Emergency Contact List:** Create and display a clear list of all internal and external emergency numbers (Police, Fire, Ambulance, College Officials).

2. Preparedness and Mitigation

- **Fire Safety Systems:**
 - Install and regularly inspect **fire extinguishers**, fire alarms, smoke detectors, and sprinkler systems across all buildings.

- Ensure all **emergency exits** are clearly marked, well-lit, and unobstructed at all times.
- **Evacuation Plan:**
 - Develop and conspicuously display clear **evacuation routes and floor plans** in every block and room.
 - Designate and mark large, safe **assembly points** outside buildings.
- **Resource Inventory:** Maintain a list and location of essential resources, including first aid kits, emergency tools, communication equipment, and backup power (generators).

3. Training and Capacity Building

- **Mock Drills:** Conduct **regular, mandatory mock drills** (e.g., fire, earthquake, active threat) to practice evacuation and response procedures.
- **Staff and Student Training:** Provide continuous training for staff and students on:
 - Basic **First Aid and CPR**.
 - Operation of **fire safety equipment**.
 - Roles and responsibilities during a disaster response.

4. Response and Recovery

- **Incident Response System (IRS):** Establish a clear chain of command and communication protocol for notifying authorities, faculty, students, and parents during an emergency.
- **Recovery Plan:** Outline procedures for post-disaster activities, including:
 - Damage assessment and structural repair.
 - Providing **psycho-social support** to affected students and staff.
 - Resumption of academic activities and business continuity.

Would you like me to elaborate on the specific **roles and responsibilities** of the college's Disaster Management Committee?