

# Schemes and Syllabus

(For academic session 2025-26& onwards)

## **M. Voc. in Safety Management**



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## **SECTION 1**

### **Program Outcomes and Program Specific Outcomes**

#### **Program Outcomes**

##### **Program Outcomes of Safety Management**

###### **Understanding of Safety Principles**

Demonstrate knowledge of occupational health and safety principles, including hazard recognition, risk assessment, and control measures.

###### **Regulatory and Legal Compliance**

Apply local, national, and international safety and environmental regulations (e.g., OSHA, ISO, and NEBOSH) in the workplace.

###### **Risk Management**

Identify, evaluate, and mitigate risks using systematic risk management techniques and tools.

###### **Emergency Preparedness and Response**

Develop and implement emergency response and disaster recovery plans.

###### **Incident Investigation and Root Cause Analysis**

Conduct thorough investigations of workplace incidents and apply root cause analysis to prevent recurrence.

###### **Leadership and Management Skills**

Demonstrate effective leadership and communication skills in managing safety programs, teams, and resources.

###### **Safety Program Development**

Design, implement, and assess safety management systems (SMGTS) tailored to organizational needs.

###### **Continuous Improvement**

Employ continuous improvement methodologies (e.g., PDCA, Six Sigma) in safety practices and management.

## **Program Specific Outcomes**

### **PSO 1: Apply HSE Regulations and Standards**

Interpret and apply national and international occupational health, safety, and environmental regulations (such as OSHA, NEBOSH, ISO 45001, ISO 14001) to ensure legal compliance and ethical practices in the workplace.

### **PSO 2: Conduct Hazard Identification and Risk Assessment (HIRA)**

Proficiently perform hazard identification, risk assessments, and determine appropriate control measures using standard frameworks like HIRA, JSA, and HAZOP.

### **PSO 3: Design and Implement HSE Management Systems**

Design, implement, and manage workplace HSE management systems tailored to various industries (e.g., construction, oil & gas, manufacturing) to ensure safe and sustainable operations.

### **PSO 4: Develop Emergency and Disaster Management Plans**

Formulate emergency response and disaster preparedness plans, conduct drills, and coordinate with relevant authorities during crises.

### **PSO 5: Environmental Impact and Waste Management**

Analyze environmental impacts of industrial activities and develop strategies for pollution control, waste minimization, and sustainability.

### **PSO 6: Promote Health and Safety Culture**

Implement behaviour-based safety programs, awareness campaigns, and training to foster a proactive safety culture within organizations.

### **PSO 7: Accident Investigation and Root Cause Analysis**

Investigate workplace incidents, conduct root cause analysis, and propose corrective and preventive actions to prevent recurrence.

### **PSO 8: Use of HSE Tools and Technologies**

Employ modern tools and digital technologies such as safety audit software, environmental monitoring equipment, and incident reporting systems for effective HSE management.

## SECTION 2

### Semester wise Scheme

#### First Semester

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
M. Voc. SMGT-101	Fundamentals of Management	4	-	-	4	4	40	60	100
M. Voc. SMGT-102	Accounting & Financial Management Analysis	4	-	-	4	4	40	60	100
M. Voc. SMGT- 103	Safety Management-I	4	-	-	4	4	40	60	100
M. Voc. SMGT- 104	OJT-I (On Job Training NSQF Level-9)	-	-	36	36	18	500		500
	<b>TOTAL</b>	<b>12</b>	<b>-</b>	<b>36</b>	<b>48</b>	<b>30</b>			<b>800</b>

#### Second Semester

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
M. Voc. SMGT -201	Management of Industrial Relations	4	-	-	4	4	40	60	100
M. Voc. SMGT -202	Training and Development	4	-	-	4	4	40	60	100
M. Voc. SMGT-203	Safety Management-II	4	-	-	4	4	40	60	100
M. Voc. SMGT -204	OJT-II (On Job Training NSQF Level-9)	-	-	36	36	18	500		500
	<b>TOTAL</b>	<b>12</b>	<b>-</b>	<b>36</b>	<b>48</b>	<b>30</b>			<b>800</b>

### Third Semester

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
M. Voc. SMGT - 301	Compensation Management and Labour Laws	4	-	-	4	4	40	60	100
M. Voc. SMGT- 302	Safety Management & Entrepreneurship Development	4	-	-	4	4	40	60	100
M. Voc. SMGT- 303	Management of Industrial Relations	4	-	-	4	4	40	60	100
M. Voc. SMGT - 304	OJT-III(On Job Training NSQF Level-9)	-	-	36	36	18	500		500
		12	-	36	48	30			800

### Fourth Semester

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
M. Voc. SMGT - 401	Performance and Talent Management	4	-	-	4	4	40	60	100
M. Voc. SMGT - 402	Ethics and Values	4	-	-	4	4	40	60	100
M. Voc. SMGT - 403	Organisational Behaviour	4	-	-	4	4	40	60	100
M. Voc. SMGT- 404	OJT-IV(On Job Training NSQF Level-9)	-	-	36	36	18	500		500
		12	-	36	48	30			800

**Assessment Criteria (100 Marks Per Subject)**  
**(For General Components)**

<b>S. No.</b>	<b>Components</b>	<b>Maximum Marks</b>
1	Assignment-1	20
2	Assignment-2	20
3	ESE	60

**Assessment Criteria (500 Marks) (For OJT)**  
**For Skill Component**

<b>S. No.</b>	<b>Components</b>	<b>Maximum Marks</b>
1	Attendance	50
2	General Behaviour & Discipline	50
3	Technical Skill	200
4	Presentation Skill	200