
Diploma in Fire and Safety Engineering – 1 Year

Semester – I

S. No.	Paper Numerical	Unique Class & Papers	Paper Name / Subject
1	11101	1DFSE1	Basics of Fire Engineering
2	11102	1DFSE2	Fire Control Technology
3	11103	1DFSE3	Safety Engineering Principles
4	11104	1DFSE4	Fire Protection System Design

Course Details:

- **Fire Engineering Basics** – Heat transfer, fire dynamics, fire load calculation.
- **Fire Control Technology** – Suppression systems, foams, CO₂ systems.
- **Safety Engineering** – Machine safety, accident prevention.
- **System Design** – Designing hydrant, sprinkler, and smoke systems.

Semester – II

S. No.	Paper Numerical	Unique Class & Papers	Paper Name / Subject
1	11201	2DFSE1	Industrial & Electrical Safety
2	11202	2DFSE2	Structural Fire Safety
3	11203	2DFSE3	Emergency Planning & Rescue
4	11204	2DFSE4	Project Work / Field Training

Course Details:

- **Industrial/Electrical Safety** – Electrical hazards, insulation, protection devices.
- **Structural Safety** – Building codes, fire-resistant materials.

- **Emergency Planning** – Rescue tools, incident control, communication systems.
- **Project** – Plant inspection, safety audit report.