

PG DIPLOMA IN HEALTH SAFETY ENVIRONMENT

Syllabus

Fundamentals of Industrial Safety, Importance of Industrial Safety, Electrical Safety, working at Heights, Construction Safety, Fire Safety, Confined Space Entry, H₂S Safety, Safety committee, safety Committee Meetings, Safety and Leader Ship, Blood Borne Pathogens, Road Safety , Fleet Safety Management. Factories Act 1948 and Rules , The Environmental Protection act, 1986, The Indian Petroleum Act 1934 and rules with special emphasis on MSIH rules and handling of Hazardous wastes rules, The Indian explosive act 1984, The static mobile and pressure vessel rules, The Indian Boilers Act 1923, INSECTICIDESACT1968, Philosophy of accidents Formulation of accident prevention programme, Safety Health and Environmental at Work Place policy, Types of hazards – physical, chemical, electrical, mechanical, biochemical, radiological, Role of supervisor in promoting safety & health, Accidents and root cause analysis, Principle factors classification of accidents, Case study, Plant Safety Inspection, Accident Investigation, Job Safety analysis, Fault Tree Analysis, Failure Modes and Effect Analysis (FMEA), Hazard-Operability-Studies, Risk and Risk Management, Control Techniques, Storage, handling and transportation of chemicals (safety in bulk storage, Handling of hazardous chemicals, chemical safety, Permit to work – procedure and compliance, Safety in shut-down and start-up procedures, Instrumentation for safe operating plant procedures (SOPs), Personal hygiene, Industrial Classification Labelling, Chemical Safety Data Sheets, House Keeping, Personal Protective Equipment, Factors contributing to hazardous situation, Chemical Hazards and Roots of Entry, Work environment monitoring – techniques & procedure, Work environment monitoring – techniques & procedure, Safety audit and OSHAS, Environmental Management System (EMS), Work Permit and First Aid.