

ADVANCED SAFETY ENGINEERING

Syllabus: System Safety, Systems Engineering Approach to Safety, Safety Integrity, Introduction to Injury Epidemiology, Accident Models, Pre and post analysis of accidents, Techniques used in Safety analysis, Root cause Analysis: Principles and applications, HAZOP Study, Design of Personal Protective Equipment (PPE), Effectiveness of PPE, Safety Management Plan, Safety Campaign, Training and Awareness Programme: Virtual Reality Application for Accident Prevention, Human Factors and Occupational Safety, Industrial Robots and Robot System Safety.