Aviation Safety Management Course

This **Aviation Safety Management Course** provides participants with the key tools needed to manage performance-based safety management systems in aviation. It is designed to improve safety practices across various sectors of the aviation industry, including airlines, airports, air traffic management, and other aviation operations. The course offers both theoretical and practical insights into the processes required to ensure a robust aviation safety management system (SMS).

Aviation safety managers play a vital role in ensuring that safety management systems are strategically implemented to maintain a high level of safety. The knowledge gained through this course will prepare participants to manage and maintain an effective safety management system, improving safety measures and enabling them to pursue aviation safety certification.

Targeted Groups:

- **Safety and Operations Managers**: Professionals responsible for managing safety and operational risks.
- **Civil Aviation Authorities**: Regulatory bodies overseeing safety standards in aviation.
- **Air Navigation Service Providers**: Organizations responsible for air traffic control and management.
- **Accident Prevention/Risk Management Supervisors**: Individuals overseeing programs related to accident prevention and risk management in aviation.

Course Objectives:

By the end of this aviation safety management course, participants will be able to:

- Equip themselves with the skills and methods required to plan, manage, and maintain an effective aviation safety management system.
- Understand the structure and components of aviation systems and safety management.
- Comprehend the complexities of aviation marketing and controlling passenger behavior.
- Implement risk management strategies and contribute to safety certifications.

Targeted Competencies:

Upon completing this training, participants will have developed the following competencies:

- **Risk Management**: Understanding how to manage risks effectively in aviation.
- **Incident and Accident Investigation**: Techniques to investigate aviation-related incidents and accidents.
- **Health and Safety Management Systems**: Knowledge of systems designed to ensure health and safety in aviation.
- **Safety Legislation**: Understanding aviation safety laws and regulations.

- **Safety Culture Development**: Building and fostering a positive health and safety culture within the aviation industry.
- **Work Equipment Hazards and Controls**: Managing the safety risks associated with aviation equipment.
- **Hazardous Agent Control**: Identifying and controlling hazards from dangerous agents.

Course Content:

Unit 1: Aviation Safety Training and Risk Management

- Understanding **risk management** in aviation.
- Identifying types of controls available for risk management.
- The **risk management process** and its components.
- Developing a **customized risk model** tailored to aviation safety needs.
- Establishing **risk rating parameters** for aviation systems.

Unit 2: Airport and Aviation Safety Management

- The importance of **risk management** in airport environments.
- Analyzing past **successes and failures** in aviation risk management.
- Understanding **global risk management requirements** in aviation.
- A comparison of **risk management components** across various aviation sectors.
- The **benefits** of implementing risk management programs.

Unit 3: The Aviation Safety Management Program

- Integrating safety management into **aviation operations**.
- Conducting **risk profiling** for aviation settings.
- Developing **risk treatment action plans**.
- Applying **case studies** in aviation safety management.
- Introduction to **Safety Management Systems (SMS)** in aviation.

Unit 4: Practical Aspects of Aviation Safety Management Software and Systems

- Human factors in **airside operations**.
- Understanding **ramp safety procedures** for ground handling.
- Protocols for **aircraft fueling, off-loading, and arrival checks**.
- The importance of **personal protective equipment (PPE)**.
- Identifying **potential hazards** on the apron and airside areas.

Unit 5: Aviation Safety Management System Training and Certification

- Conducting **thorough risk assessments** for aviation operations.
- **Managing hazardous substances** and dangerous goods in aviation.
- Introduction to **airside safety audits**.
- Implementing **airside accident reporting procedures**.
- Understanding **accident causation** and implementing **prevention techniques**.
- **Accident investigation** techniques for identifying root causes and improving safety standards.

Conclusion:

This course provides comprehensive training in aviation safety management, including the tools, software, and techniques needed to establish and maintain an effective safety management system in aviation. Participants will gain in-depth knowledge of safety processes, risk management, and the path toward achieving aviation safety certifications. With a focus on practical application, the course is designed to equip participants with the necessary competencies to contribute significantly to the safety and risk management processes in aviation operations.