



PRO.D.I.G.Y

Promoting Disability Inclusion
in emergency response
in the World of Work

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PRO.D.I.G.Y SYLLABUS



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About PRO.D.I.G.Y

Action type KA220-VET Cooperation partnerships in vocational education and training

Priority

HORIZONTAL: Addressing digital transformation through development of digital readiness, resilience and capacity
VET: Increasing the flexibility of opportunities in vocational education and training

The general objective of the PRO.D.I.G.Y project is to promote the use and adoption of AR/VR solutions to assist disabled people, first responders and companies during workplace emergencies to increase the safety of people with disabilities. Acquired Emergency Preparedness Training would offer people and companies ways to prepare and be protected during unexpected workplace emergencies.

Further to the general objective, there are five strongly related specific objectives that intend to:

- *Assist companies in assessing their level of disability inclusion in their emergency response plans*
- *Develop a methodological framework to support target group in achieving disability inclusion in their emergency response plans*
- *Provide companies with all necessary tools to promote disability inclusion in their emergency response plans and appropriately train employees with disabilities in emergencies situations*
- *Equip individuals (company employees, disabled people, first responders) with necessary knowledge on disability inclusion and training in emergencies*
- *Raise awareness regarding the necessity of disability inclusion and training in emergency situations.*

The concrete results that will be produced and delivered by the projects' activities are the following:

- *A Workplace Emergency Preparedness Methodology, a methodological step-by-step framework to promote workplace emergency planning with disability inclusion.*
- *A Workplace Emergency Preparedness Self-Assessment Tool, a self-assessment tool to help companies to identify gap sin their workplace emergency planning and training (including training disabled people).*
- *A Workplace Emergency Preparedness Training Course, an educational package with interactive material including videos, gamification, quizzes, AR/VR tools etc.*
- *The PRO.D.I.G.Y Online Training Platform, an online interactive platform that will host all the produced results.*

The PRO.D.I.G.Y project will provide individuals and companies, a user-friendly and interactive online platform that would allow users to utilize its innovative material based on a robust methodology and supported by an online educational package. The synopsis of the PRO.D.I.G.Y project objectives is that through its results, it will leverage the ability of target group to respond effectively during emergency situations, thus reducing the probability and impact on the safety of employees, especially employees with disabilities. One of the main objectives of the project is to present to target group personnel a guided pathway to educate themselves quickly and effectively on emergency preparedness, enhancing their skills and their contribution to the welfare of their organisation and its people.

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Executive Summary

The Emergency Preparedness Syllabus documents the basic information on the Emergency Preparedness Training Course. This deliverable - detailed curriculum - is the front end of the Course and part of the overall training package, one of the project's outputs. The objectives of the Syllabus are to summarize the topics/areas/sections of instruction that will be covered in the Course.

1 Introduction

The PRODIGY Emergency Preparedness Training Course will include online training sessions targeted at SMEs. The proposed curriculum is broken down into learning modules/modules covering areas from across the spectrum of emergency management and the inclusion of people with disabilities. The aim of the course is to facilitate owners, managers, emergency response managers, first responders, and the experts who support them, as well as employees of SMEs to acquire a knowledge background in emergency management and the inclusion of people with disabilities. In addition, VR emergency response training games will be produced to be included in employee training. The proposed curriculum is described in the following sections. It has been prepared taking into account the project proposal, relevant discussions with partners and the desk research carried out.

2 Course Overview

The Emergency Preparedness Training Course includes the creation of an education/training program through the development of a curriculum and courses for stakeholders involved in decision making, including employees, to acquire basic knowledge that they will apply in their planning for emergencies, taking into account persons with disabilities. 1 AR/VR exercise per chapter of the training program will be included to support and ensure that disabled individuals are effectively assisted in emergency situations, to minimize training and exercise costs, and to ensure that First Response Teams effectively assist disabled individuals in emergency situations.

2.1 Learning Objectives

The learning objectives of the course are to:

- include disabled people in emergency response plans
- educate people with disabilities in handling emergency situations
- reduce the probability of incidents in the workplace

2.2 Who should attend

Main Target Groups

- SMEs' owners/managers
- SMEs' responsible/ decision makers/emergency first responders
- Disabled and non-disabled Employees (In exercises)

Secondary Target Groups

- Chambers and SMEs associations (members and staff)
- VET centers/trainers/consultants
- Experts that provide consultation and services to companies regarding Emergency Preparedness practices (internally or externally)

2.3 Structure

The Emergency Preparedness Training Course contains **seven modules and each module is divided into different submodules**. The course covers theoretical aspects of Emergency Preparedness as well as inclusion of people with disabilities related topics. The overview of the structure is the following:

- Module 1. Management of Emergency Incidents
- Module 2. Best Practices for Emergency Planning
- Module 3. Inclusion of People With Disabilities in Emergency Planning
- Module 4. Assisting People with Disabilities in Emergency Situations
- Module 5. Improving knowledge of selected dysfunctions and degrees of disability with the promotion of the use of practical methods/techniques useful in an evacuation event

- Module 6. Technology Solutions for Emergency Management
- Module 7. Use of VR/AR Technologies to Simulate Emergency Situations

2.4 Resources/Medium

Training resources/medium are online training material consisting of PowerPoint presentations, manuals, Self-Assessment Section quizzes and AR/VR practical exercises.

2.5 Languages

English, Polish, Greek, Czech & Italian

3 Content Details

3.1 Module 1. Management of Emergency Incidents

Summary

Module 1. Management of Emergency Incidents. This Module provides a comprehensive overview of key concepts related to incident management, emergency response, business continuity, and crisis management. It delves into EU policies and legislation concerning emergency preparedness, with a specific focus on disability inclusion. The module further explores preparedness, response, and recovery strategies in emergency situations, emphasizing prevention and mitigation measures. Through a mix of theoretical knowledge and practical exercises, trainees will learn how to plan for emergencies, respond effectively, and facilitate recovery efforts.

Resources/Medium

Training resources/medium are online training material consisting of PowerPoint presentations, manuals, Self-Assessment Section quizzes and practical exercises

Aim

- To equip participants with a comprehensive understanding of emergency incident management
- To explore key concepts and relevant policies to build a foundation for effective crisis management
- To develop skills in incident command and control.
- To explore the components of effective recovery planning.
- To emphasize the importance of comprehensive emergency preparedness plans.

Submodules

- Submodule 1: Introduction to key concepts: Definitions of incident management, emergency response, Business Continuity, Crisis management.
- Submodule 2: EU Policies and Legislation related to emergency preparedness and disability inclusion
- Submodule 3: Prevention and Mitigation
- Submodule 4: Preparedness, Response and Recovery in Emergency Situations

Learning Outcomes

Module 1: Management of Emergency Incidents		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: • Define and differentiate between key concepts such as incident management, emergency response, business continuity, and crisis management. • Analyze EU and national policies and legislation related to emergency preparedness, with a	The trainee will be able to: • Apply knowledge of incident management concepts to real-world scenarios. • Evaluate the impact of policies and legislation on emergency preparedness, with a focus on disability inclusion. • Develop practical strategies for preparedness, response,	The trainee will be able to: • Foster a proactive and inclusive mindset towards emergency management, recognizing the importance of considering diverse needs, including those of individuals with disabilities. • Appreciate the significance of collaboration and adherence to policies in effective crisis management.

specific focus on disability inclusion. Understand the principles and strategies involved in preparedness, response, recovery, prevention, and mitigation within the context of emergency situations.	recovery, prevention, and mitigation in emergency situations.	
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Self-Assessment Section

About 20-25 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.1.1 Submodule 1.1: Introduction to key concepts: Definitions of incident management, emergency response, Business Continuity, Crisis management

Content description

Submodule 1.1, offers an exploration of the key terms related to emergency management. Participants will delve into definitions of critical concepts such as incident management, emergency response, business continuity and crisis management. This subsection serves as the fundamental building block for a comprehensive understanding of subsequent emergency management principles.

Resources/Medium

Training resources/medium are online training material consisting of PowerPoint presentations, manuals, Self-Assessment Section quizzes and practical exercises

About 6-8 online ppt/slides

Training manual of 6-8 pages including graphs, tables, etc.

Aim

To establish a solid foundation by acquainting participants with the fundamental definitions and distinctions among key emergency management concepts.

Learning Outcomes

Module 1: Management of Emergency Incidents		
Submodule 1.1: Introduction to key concepts: Definitions of incident management, emergency response, Business Continuity, Crisis management.		
KNOWLEDGE	SKILLS	ATTITUDES

The trainee will be able to: - Define and articulate the core concepts of incident management, emergency response, business continuity, and crisis management. - Differentiate between these key terms, understanding their unique roles within the broader emergency management framework.	The trainee will be able to: - Apply the acquired knowledge to identify and analyze real-world examples of incident management, emergency response, business continuity, and crisis management. - Demonstrate the ability to articulate the distinctions between these concepts in practical scenarios.	The trainee will be able to: - Develop an appreciation for the interconnectedness and interdependence of incident management, emergency response, business continuity, and crisis management. - Cultivate a proactive mindset towards the importance of clearly defining and understanding these key concepts for effective emergency management.
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Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.1.2 Submodule 1.2: EU Policies and Legislation related to Emergency Preparedness and Disability Inclusion

Content description

This unit focuses on exploring the regulatory landscape shaping emergency preparedness. Participants will examine the specific policies and legislation at EU level, with a dedicated emphasis on addressing the needs of individuals with disabilities.

Resources/Medium

Training resources/medium are online training material consisting of PowerPoint presentations, manuals, Self-Assessment Section quizzes and practical exercises

About 6-8 online ppt/slides

Training manual of 6-8 pages including graphs, tables, etc.

Aim

This submodule aims to deepen participants' understanding of the legal framework surrounding emergency management.

Learning Outcomes

Module 1: Management of Emergency Incidents		
Submodule 1.2: EU Policies and Legislation related to emergency preparedness and disability inclusion		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: - Identify and summarize key EU policies and legislation related to emergency preparedness and disability inclusion. - Articulate the specific provisions and requirements outlined in these legal frameworks.	The trainee will be able to: - Analyze the implications of emergency management policies on the inclusion of individuals with disabilities. - Interpret and apply relevant sections of policies and legislation to practical scenarios.	The trainee will be able to: - Develop a heightened awareness of the legal responsibilities and obligations in emergency preparedness, fostering a commitment to compliance and inclusivity. - Cultivate a proactive attitude towards advocating for the needs and rights of individuals with disabilities within the emergency management framework.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.1.3 Submodule 1.3: Prevention and Mitigation

Content description

Submodule 1.3 gives a brief presentation of the strategies to prevent emergencies or reduce their impact. It covers risk assessment, hazard identification, and implementation of mitigation strategies.

Resources/Medium

About 6-8 online ppt/slides

Training manual of 6-8 pages including graphs, tables, etc.

Aim

- To understand the principles of risk assessment and hazard identification.
- To develop effective mitigation strategies for reducing potential impacts
- To cultivate a proactive approach to managing risks in various environments/circumstances.

Learning Outcomes

Module 1: Management of Emergency Incidents		
Submodule 1.3: Prevention and Mitigation		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: understand the importance of personnel and company involvement in mitigation efforts	The trainee will be able to: - conduct comprehensive risk assessments, - develop and implement mitigation plans tailored to specific hazards.	The trainee will be able to: value a proactive approach to assessing risk and identifying hazards

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.1.4 Submodule 1.4: Preparedness, Response and Recovery in Emergency Situations

Content description

Submodule 1.4 gives a brief presentation of the importance of preparing individuals and organizations to effectively respond to emergencies, focusing on planning, training, and resource allocation. It also gives a brief presentation of the actions taken to respond effectively during an emergency, including life-saving measures, incident management, and communication. Finally, submodule 1.4 gives as well a brief presentation of the strategies for recovery and normalization after an emergency, focusing on both short-term and long-term recovery efforts.

Resources/Medium

About 6-8 online ppt/slides

Training manual of 6-8 pages including graphs, tables, etc.

Aim

- To equip learners with the skills to develop comprehensive emergency preparedness plans.
- To emphasize the importance of drills and simulations in preparedness efforts.
- To foster a culture of readiness within organizations and companies.
- To understand the principles of effective emergency response.
- To develop skills in incident command and control.
- To enhance the ability to communicate effectively during an emergency.
- To explore the components of effective recovery planning.
- To understand the role of psychological support in recovery.
- To examine the importance of rebuilding efforts in enhancing company resilience.

Learning Outcomes

Module 1: Management of Emergency Incidents		
Submodule 1.4: Preparedness, Response and Recovery in Emergency Situations		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: - understand the logistics of resource management during emergencies - know life-saving techniques - understand strategies for building back better and improving resilience against future emergencies	The trainee will be able to: - design and implement effective emergency preparedness plans - effectively manage resources and personnel during an emergency, - communicate efficiently with all stakeholders during a crisis. - plan and coordinate recovery operations	The trainee will be able to: - enhance their ability to lead and coordinate emergency response efforts - adapt quick decision-making and problem-solving to their individual approach - appreciate the importance of psychological support and company involvement in the recovery process

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.2 Module 2. Best Practices for Emergency Planning

Emergency planning is crucial for ensuring the safety and resilience of the companies during crises. Planning is not only about responding to emergencies but also preventing them through thoughtful preparation. This module delves deeper into essential components of effective emergency planning as risk assessment and mitigation strategies, emergency response roles and responsibilities, communication and coordination protocols, and post-emergency evaluation and feedback. Through a holistic approach, this module aims to equip participants with the knowledge and skills necessary for developing and implementing robust emergency plans.

Resources/Medium

Training resources/medium are online training material consisting of PowerPoint presentations, manuals, Self-Assessment Section quizzes and practical exercises

Aim

- Introduce the trainee to the Best Practices for Emergency Planning
- To enable participants to grasp and apply best practices in emergency planning.

Submodules

- Submodule 1: Risk assessment and mitigation strategies
- Submodule 2: Emergency response roles and responsibilities
- Submodule 3: Communication and coordination protocols
- Submodule 4: Post-emergency evaluation and feedback

Learning Outcomes

Module 2: Best Practices for Emergency Planning		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: • Articulate the principles of risk assessment and implement mitigation strategies in the context of emergency planning. • Understand the roles and responsibilities of various stakeholders in emergency response. • Comprehend communication and coordination protocols for effective information dissemination during emergencies. • Analyze the importance of post-emergency evaluation	The trainee will be able to: • Apply risk assessment techniques to identify and prioritize potential hazards. • Develop comprehensive emergency response plans, assigning roles and responsibilities to relevant personnel. • Implement effective communication and coordination strategies during emergency scenarios. • Conduct post-emergency evaluations, extracting	The trainee will be able to: • Foster a proactive and preventive mindset towards risk assessment and mitigation. • Cultivate a sense of responsibility and accountability in emergency response roles. • Value the importance of clear communication, collaboration, and continuous improvement in the context of emergency planning. • Develop a resilient and adaptable attitude to address challenges and changes in the post-emergency phase.

and feedback in continuous improvement.	lessons learned for future improvements.	
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Self-Assessment Section

About 20-25 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.2.1 Submodule 2.1 Risk Assessment and Mitigation Strategies

Content description

Participants will explore industry best practices, case studies, and practical applications to enhance their understanding and application of risk management principles within the context of emergency preparedness.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

This submodule aims to instill a proactive and adaptive mindset, fostering a commitment to continuous improvement in the ever-evolving landscape of risk assessment and mitigation.

Learning Outcomes

Module 2: Best Practices for Emergency Planning		
Submodule 2.1: Risk Assessment and Mitigation Strategies		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: • Demonstrate an advanced understanding of industry best practices for risk assessment in emergency planning. • Explore and analyze case studies showcasing successful mitigation strategies.	The trainee will be able to: • Apply advanced risk assessment practices to analyze and prioritize complex risks. • Develop and implement mitigation strategies that align with industry best practices. • Utilize scenario-based exercises to simulate and address multifaceted risk scenarios.	The trainee will be able to: • Foster a proactive and forward-thinking mindset towards anticipating and mitigating potential risks. • Recognize the importance of continuous improvement in risk assessment and mitigation practices. • Develop a commitment to staying informed about emerging best practices in the field.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.2.2 Submodule 2.2 Emergency Response Roles and Responsibilities

Content description

Submodule 2.2 is dedicated to exploring and refining the roles and responsibilities essential for effective emergency response. Participants will delve into industry best practices, case studies, and practical applications to gain a nuanced understanding of how to optimize emergency response structures.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

This submodule aims to enhance participants' proficiency in assigning and executing roles during emergency scenarios.

Learning Outcomes

Module 2: Best Practices for Emergency Planning		
Submodule 2.2: Emergency Response Roles and Responsibilities		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: - Understand the organizational structure of emergency response teams within their workplace. - Identify the roles and responsibilities of different team members during emergencies. - Recognize the specific needs and challenges faced by individuals with disabilities during emergency situations. - Demonstrate an advanced understanding of industry best practices in emergency response roles and responsibilities. - Analyze case studies illustrating successful response structures and their impact on overall emergency management.	The trainee will be able to: - Develop and implement effective emergency response roles tailored to specific scenarios. - Utilize role-playing exercises and simulations to refine decision-making and execution in emergency response. - Evaluate and optimize existing response structures based on best practices.	The trainee will have: - Foster a proactive and adaptable mindset towards designing response structures that can address evolving emergency scenarios. - Recognize the importance of clear communication and collaboration in executing designated roles during emergencies. - Cultivate a commitment to continuous improvement in emergency response roles and responsibilities.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.2.3 Submodule 2.3 Communication and Coordination Protocols

Content description

Submodule 2.3 delves into the essential aspects of effective communication and coordination during workplace emergencies. Participants will delve into industry best practices, case studies, and practical applications to refine their understanding of communication protocols and enhance their skills in coordinating efforts during crises.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

- to equip participants with the knowledge and skills required to establish clear communication channels and effective coordination protocols during emergencies

Learning Outcomes

Module 2: Best Practices for Emergency Planning		
Sub-module 2.3: Communication and Coordination Protocols		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: • Demonstrate an advanced understanding of industry best practices in communication and coordination during emergencies. • Analyze case studies illustrating successful communication and coordination protocols and their impact on overall emergency management.	The trainee will have: • Develop and implement effective communication and coordination protocols tailored to specific emergency scenarios, including people with disabilities. • Utilize simulation exercises and role-playing scenarios to refine decision-making and execution in communication and coordination efforts. • Evaluate and optimize existing communication structures based on best practices.	The trainee will have: • Foster a proactive and adaptable mindset towards designing communication structures that can address evolving emergency scenarios. • Recognize the importance of clear communication and collaboration in executing designated roles during crises. • Cultivate a commitment to continuous improvement in communication and coordination protocols.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.2.4 Submodule 2.4 Post-emergency evaluation and feedback

Content description

Submodule 2.4 focuses on the critical process of assessing and reflecting on emergency response actions after an incident has occurred. Participants will delve into industry best practices, case studies, and practical applications to refine their understanding of post-emergency evaluation and feedback mechanisms.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

- to provide participants with the necessary knowledge and skills to conduct thorough evaluations of emergency response procedures and gather valuable feedback from stakeholders
- to foster a culture of continuous improvement and resilience in emergency preparedness initiatives

Learning Outcomes

Module 2: Best Practices for Emergency Planning		
Sub-module 2.4: Post-Emergency Evaluation and Feedback		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: • Demonstrate an advanced understanding of industry best practices in post-emergency evaluation and feedback. • Analyze case studies illustrating successful evaluation processes and their impact on overall emergency management.	The trainee will have: • Develop and implement effective post-emergency evaluation processes tailored to specific emergency scenarios. • Utilize debriefing sessions and scenario analyses to extract valuable lessons learned from emergency responses. • Evaluate and optimize existing post-emergency evaluation structures based on best practices.	The trainee will have: • Foster a proactive and reflective mindset towards designing evaluation structures that facilitate continuous improvement. • Recognize the importance of feedback in refining future emergency responses. • Cultivate a commitment to transparency and accountability in the post-emergency evaluation process.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.3 Module 3. Inclusion of People with Disabilities in Emergency Planning

Summary

Module 3 focuses on integrating considerations for individuals with disabilities into emergency preparedness and response efforts. The sub-modules cover emergency planning with disability inclusion, communication strategy planning for accessible emergency information, individual plans for employees with disabilities, and training programs to empower employees with disabilities in utilizing emergency plans. The module aims to create an inclusive and accessible emergency planning framework that addresses the diverse needs of employees, customers, and visitors with disabilities.

Resources/Medium

Training resources/medium are online training material consisting of PowerPoint presentations, manuals, Self-Assessment Section quizzes and practical exercises

Aim

- To equip participants with the knowledge and skills necessary to integrate disability inclusion into emergency planning effectively.
- To foster a comprehensive and inclusive approach to emergency preparedness that accommodates the diverse needs of individuals with disabilities.

Submodules

- Submodule 1: Understanding Different Disabilities
- Submodule 2: Emergency planning with disability inclusion (employees, customers and visitors)
- Submodule 3: Communication Strategy Planning/Accessible Emergency Information and Warnings
- Submodule 4: Individual Plans and Training for Employees with Disabilities

Learning Outcomes

Module 3: Inclusion of People with Disabilities in Emergency Planning		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: • Types of disabilities, including vision, hearing, physical, and cognitive disabilities, and their characteristics and challenges. • Common misconceptions and stereotypes about disabilities. • Communication barriers experienced by people with disabilities during	The trainee will be able to: • Identify and understand specific needs and accommodations for different disabilities. • Implementing alternative communication methods such as sign language, visual aids, and tactile communication. • Adapting communication strategies to accommodate different disabilities and	The trainee will be able to: • Develop empathy and sensitivity towards individuals with disabilities. • Recognizing the value of diversity and inclusion in emergency preparedness and response efforts. • Valuing effective communication as essential for ensuring the safety and well-

emergencies and various communication methods and technologies used.	communication preferences. • Creating accessible formats of emergency information, such as large print, Braille, and audio recordings. • Develop inclusive emergency plans considering the specific needs of employees, customers, and visitors with disabilities. • Design individual plans and training programs tailored to the requirements of employees with disabilities.	being of all individuals during emergencies. • Embracing inclusivity by actively seeking to understand and address the needs of people with disabilities. • Cultivate a commitment to continuous improvement in ensuring the accessibility and inclusivity of emergency planning efforts.
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Self-Assessment Section

About 20-25 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.3.1 Submodule 3.1 Understanding Different Disabilities

Content description

Submodule 3.1 provides an in-depth exploration of various disabilities, including physical, sensory, cognitive, and neurodevelopmental disabilities. It covers the characteristics, challenges, and needs associated with different types of disabilities, with a focus on fostering understanding and empathy among participants.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

- To enhance participants' understanding of different disabilities and their implications for inclusion and accessibility.
- To promote empathy, sensitivity, and knowledge about the diverse experiences and needs of individuals with disabilities.

Learning Outcomes

Module 3: Inclusion of People with Disabilities in Emergency Planning		
Submodule 3.1: Understanding Different Disabilities		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: • Understand the characteristics and manifestations of different types of disabilities. • Learn about the challenges and barriers faced by individuals with disabilities in various aspects. • Comprehend the importance of recognizing and accommodating the diverse needs and experiences of individuals with disabilities in inclusive work environments.	The trainee will be able to: • Identify and differentiate between different types of disabilities and their impact on individuals' daily lives and interactions. • Recognize and address barriers to inclusion and accessibility faced by individuals with disabilities in various settings. • Communicate effectively and respectfully with individuals with disabilities.	The trainee will have: • Empathy and sensitivity towards the experiences and challenges faced by individuals with disabilities in the world of work.

Competences

- Participants will develop a deep understanding of different types of disabilities and their impact on individuals' lives and interactions.
- Participants will acquire the skills to advocate for the rights and needs of individuals with disabilities and promote inclusive practices in their communities and workplaces.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.3.2 Submodule 3.2 Emergency planning with disability inclusion (employees, customers and visitors)

Content description

Submodule 3.2 focuses on integrating considerations for individuals with disabilities into comprehensive emergency plans. Participants will explore the unique needs and challenges of employees, customers, and visitors with disabilities during emergency situations.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

To empower participants with the knowledge and skills necessary to integrate disability inclusion into emergency plans

Learning Outcomes

Module 3: Inclusion of People with Disabilities in Emergency Planning		
Submodule 3.2: Emergency planning with disability inclusion (employees, customers and visitors)		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will: - Understand the specific needs and challenges faced by employees, customers, and visitors with disabilities during emergencies. - Analyze the principles of inclusive emergency planning for individuals with diverse disabilities.	The trainee will be able to: Develop and implement emergency plans that consider the unique requirements of employees, customers, and visitors with disabilities.	The trainee will have: - Foster a proactive and empathetic attitude towards understanding and addressing the diverse needs of individuals with disabilities. - Cultivate a commitment to continuous improvement in ensuring the accessibility and inclusivity of emergency planning efforts.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.3.3 Submodule 3.3 Communication Strategy Planning/Accessible Emergency Information and Warnings

Content description

Submodule 3.3 focuses on ensuring that emergency information and warnings are accessible to individuals with disabilities. It covers strategies for creating and disseminating accessible emergency communication materials, including alternative formats and assistive technologies.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

- To equip participants with the knowledge and skills necessary to develop and deliver accessible emergency information and warnings.

Learning Outcomes

Module 3: Inclusion of People with Disabilities in Emergency Planning		
Submodule 3.3: Communication Strategy Planning/Accessible Emergency Information and Warnings		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: - Understand the importance of accessible emergency information and warnings for individuals with disabilities. - Learn the principles and best practices for creating accessible emergency communication materials, including alternative formats and technologies. - Familiarize with legal requirements and standards related to accessible emergency communication for individuals with disabilities.	The trainee will be able to: - Create and disseminate accessible emergency information and warnings that cater to the diverse needs and preferences of individuals with disabilities. - Use alternative formats, such as braille, large print, and audio descriptions, to make emergency communication materials accessible. - Use assistive technologies and communication aids to enhance the accessibility of emergency alerts and instructions for individuals with disabilities.	The trainee will have: Commitment to promoting accessibility and inclusivity in emergency communication practices, recognizing the importance of ensuring the safety and well-being of all individuals.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.3.4 Submodule 3.4 Individual Plans and Training for Employees with Disabilities

Content description

This module delves into the development of personalized plans and training programs tailored to employees with disabilities on how to effectively use the plans. This submodule recognizes the importance of addressing the specific needs of employees, ensuring their safety and effective participation in emergency situations.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

The aim is to equip participants with the knowledge and skills needed to create individualized plans and deliver targeted training, fostering a proactive and inclusive approach to emergency preparedness.

Learning Outcomes

Module 3: Inclusion of People with Disabilities in Emergency Planning		
Submodule 3.4: Individual Plans and Training for Employees with Disabilities		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: - Understand the importance of individualized plans for employees with disabilities in emergency situations. - Analyze the principles of developing personalized training programs tailored to employees' specific needs.	The trainee will be able to: - Develop and implement individualized emergency plans for employees with disabilities. - Design and deliver targeted training programs to enhance employees' ability to use emergency plans effectively.	The trainee will be able to: - Foster a proactive and empathetic attitude towards addressing the unique needs of employees with disabilities. - Recognize the importance of clear communication and collaboration in implementing individualized plans. - Cultivate a commitment to continuous improvement in ensuring the accessibility and effectiveness of emergency plans for employees with disabilities.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.4 Module 4. Assisting People with Disabilities in Emergency Situations

Summary

Module 4, "Assisting People with Disabilities in Emergency Situations," addresses the crucial aspect of providing effective support to individuals with disabilities during emergencies.

Resources/Medium

Training resources/medium are online training material consisting of PowerPoint presentations, manuals, Self-Assessment Section quizzes and practical exercises.

Aim

- to empower participants with the knowledge and skills needed to assist people with disabilities effectively in emergency situations
- to enhance participants' ability to provide comprehensive support and ensure the safety and well-being of individuals with disabilities during emergencies.
- Ensure that emergency evacuation procedures in companies are accessible and accommodating for people with disabilities
- Increase awareness and understanding among employees in the company in the area of needs and challenges faced by people with disabilities during emergencies
- Setting the most typical barriers to transportation accessibility in companies environment

Submodules

- Submodule 1: Provision of assistance to people with disabilities during emergencies
- Submodule 2: Transportation challenges
- Submodule 3: Employment inclusion (disabled and non-disabled personnel) to effectively respond and assist each other in emergencies
- Submodule 4: Emergency Preparedness Kits for people with disabilities

Learning Outcomes

Module 4: Assisting People with Disabilities in Emergency Situations		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: • Understand the specific challenges individuals with disabilities face during emergencies. • Analyze the principles of providing inclusive assistance to people with disabilities. • Grasp the importance of employment inclusion for effective response and	The trainee will be able to: • Provide effective assistance to individuals with disabilities during emergencies, considering their unique needs. • Address transportation challenges to ensure the safe evacuation and relocation of individuals with disabilities. • Foster an inclusive workplace culture that	The trainee will be able to: • Foster a proactive and empathetic attitude towards assisting individuals with disabilities in emergency situations. • Recognize the value of collaboration and mutual assistance between disabled and non-disabled personnel during emergencies.

mutual assistance in emergencies.	enables disabled and non-disabled personnel to effectively respond and assist each other during emergencies. • Design and assemble Emergency Preparedness Kits tailored to the specific needs of people with disabilities.	
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Self-Assessment Section

About 20-25 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.4.1 Submodule 4.1 Provision of assistance to people with disabilities during emergencies

Content description

Submodule 4.1 emphasizes the specific challenges and considerations involved in providing inclusive assistance, addressing the diverse needs of individuals with disabilities during crises.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

To enhance participants' understanding and capability to provide effective assistance to people with disabilities during emergencies

Learning Outcomes

Module 4: Assisting People with Disabilities in Emergency Situations		
Submodule 4.1: Provision of assistance to people with disabilities during emergencies		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: Analyze the principles of providing inclusive and accessible assistance in emergency situations.	The trainee will be able to: - Provide effective assistance to individuals with disabilities during various emergency scenarios. - Adapt assistance strategies based on the specific needs and conditions of individuals with different types of disabilities.	The trainee will be able to: Recognize the importance of clear communication and collaboration in providing assistance to individuals with disabilities.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.4.2 Submodule 4.2 Transportation challenges

Content description

Submodule 4.2 focuses on addressing the specific challenges related to transportation for individuals with disabilities in emergency situations.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

This submodule aims to equip participants with the knowledge and skills required to overcome transportation barriers, ensuring the safe and efficient evacuation and relocation of individuals with disabilities during emergencies.

Learning Outcomes

Module 4: Assisting People with Disabilities in Emergency Situations		
Submodule 4.2: Transportation challenges		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: Understand the unique transportation challenges faced by individuals with disabilities during emergencies.	The trainee will be able to: - Overcome transportation barriers to ensure the safe evacuation and relocation of individuals with disabilities during various emergency scenarios. - Adapt transportation assistance strategies based on the specific needs and conditions of individuals with different types of disabilities.	The trainee will be able to: Foster a proactive and empathetic attitude towards addressing the transportation challenges faced by individuals with disabilities in emergencies

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.4.4 Submodule 4.3 Employment inclusion (disabled and non-disabled personnel) to effectively respond and assist each other in emergencies

Content description

Submodule 4.3 focuses on fostering an inclusive workplace culture that enables both disabled and non-disabled personnel to collaboratively respond and assist each other during emergency situations.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

- To enhance participants' understanding and capability to foster employment inclusion for both disabled and non-disabled personnel during emergencies.

Learning Outcomes

Module 4: Assisting People with Disabilities in Emergency Situations		
Submodule 4.3: Employment inclusion (disabled and non-disabled personnel) to effectively respond and assist each other in emergencies		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: • Understand the principles and benefits of employment inclusion for effective emergency response. • Analyze the role of an inclusive workplace culture in fostering mutual assistance among disabled and non-disabled personnel during emergencies.	The trainee will be able to: • Implement inclusive employment practices that facilitate effective collaboration and response during emergencies. • Foster an inclusive workplace culture that encourages mutual assistance and support among personnel.	The trainee will be able to: • Recognize the value of collaboration and mutual assistance between disabled and non-disabled personnel during emergencies.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.4.6 Submodule 4.4 Emergency Preparedness Kits for people with disabilities

Content description

Submodule 4.4 is dedicated to the development and implementation of tailored emergency preparedness kits to meet the unique needs of individuals with disabilities.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

- To enhance participants' understanding and capability to design and implement emergency preparedness kits that cater to the specific needs of people with disabilities.

Learning Outcomes

Module 4: Assisting People with Disabilities in Emergency Situations		
Submodule 4.4: Emergency Preparedness Kits for people with disabilities		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: - Understand the unique needs and challenges individuals with disabilities may face during emergencies. - Understand about assistive devices, medical equipment, and specialized supplies that may be necessary for individuals with disabilities during emergencies.	The trainee will be able to: - Design and assemble emergency preparedness kits tailored to the specific needs and conditions of individuals with different types of disabilities. - Adapt emergency kit contents based on the diverse requirements of people with disabilities.	The trainee will be able to: Cultivate a commitment to continuous improvement in creating accessible and comprehensive emergency preparedness kits.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.5 Module 5. Improving knowledge of selected dysfunctions and degrees of disability with the promotion of the use of practical methods/techniques useful in an evacuation event

Summary

This innovative and individualised knowledge improvement course on selected dysfunctions and degrees of disability is aimed at those responsible for crisis management in organisations. Raising awareness of different types of mobility dysfunctions and degrees of disability, together with promoting the use of methods/techniques and tricks useful in the event of an evacuation, aims to help people with mobility disabilities to evacuate quickly and safely during a workplace emergency. Those responsible for emergency management in organisations are becoming more aware and recognise the need for development in terms of increasing the safety of people with disabilities. Here, the need to increase their knowledge of the limitations and mobility capabilities of people with varying degrees of disability becomes relevant.

Resources/Medium

Training resources/medium are online training material consisting of PowerPoint presentations, manuals, Self-Assessment Section quizzes and practical exercises

Aim

- Promote training to improve knowledge of mobility impairments, extended to practical aspects using useful methods/techniques to facilitate the rapid and safe evacuation of people with reduced mobility, in emergency situations in the workplace.
- Assist companies in assessing the level of functional fitness of an employee with mobility limitations.
- Develop methods/techniques and grasps to facilitate the safe evacuation of people with disabilities in the event of a workplace emergency.
- Ensuring companies have adequate training in emergency situations.
- Equip people (company employees, people with disabilities, first aiders) with the necessary knowledge of the level of mobility disability, the capabilities and limitations of people with a mobility impairment.

Submodules

- Submodule 1: Abilities of people with different degrees of disability
- Submodule 2: Assesses the level of functional ability of a person with a mobility disability
- Submodule 3: Introduction to the application of useful methods and techniques when evacuating people with disabilities in the workplace
- Submodule 4: Examples of the application of methods/techniques useful when assisting people with disabilities during an emergency situation in the workplace

Learning Outcomes

Module 5: Improving knowledge of selected dysfunctions and degrees of disability with the promotion of the use of practical methods/techniques useful in an evacuation event		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: ● increase their knowledge of the limitations and	The trainee will be able to: ● use methods and techniques and tricks	The trainee will be able to: ● become more aware and recognise the need for

mobility capabilities of people with varying degrees of disability	useful in the event of an evacuation motivate people with mobility impairments to participate in the evacuation process in the workplace.	development in terms of increasing the safety of people with disabilities
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Self-Assessment Section

About 20-25 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.5.1 Submodule 5.1 Abilities of people with different degrees of disability

Content description

This submodule explores the diverse capabilities and needs of individuals with various degrees of disability during evacuation events. It covers an overview of different types of disabilities, including physical, sensory, cognitive, and neurodevelopmental disabilities, and discusses practical methods and techniques to support their safe evacuation.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

- to enhance participants' understanding of the abilities and challenges faced by individuals with disabilities during evacuation events.
- to promote empathy, sensitivity, and practical knowledge about accommodating diverse needs in emergency situations.

Learning Outcomes

Module 5: Improving knowledge of selected dysfunctions and degrees of disability with the promotion of the use of practical methods/techniques useful in an evacuation event		
Sub-module 5.1 Abilities of people with different degrees of disability		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: - Understand the different types and degrees of disabilities and their impact on evacuation procedures. - Learn about the specific challenges individuals with disabilities may encounter	The trainee will have: - Ability to assess the specific needs and abilities of individuals with disabilities in the context of evacuation scenarios. - Proficiency in implementing inclusive evacuation strategies that	The trainee will have: - Empathy and sensitivity towards the experiences and needs of individuals with disabilities during emergency situations. - Commitment to promoting inclusivity and accessibility

during evacuations, including mobility limitations, sensory impairments, and cognitive barriers. • Comprehend the importance of considering individualized needs and abilities when developing evacuation plans and procedures. • Familiarize with practical methods and techniques for supporting the safe evacuation of individuals with disabilities.	cater to diverse disability-related challenges.	in evacuation planning and implementation. • Respect for the autonomy and dignity of individuals with disabilities, recognizing their right to participate fully in evacuation procedures.
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Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.5.2 Submodule 5.2 Assesses the level of functional ability of a person with a mobility disability

Content description

Submodule 5.2 focuses on evaluating the functional capabilities and limitations of individuals with mobility disabilities during emergency situations. It covers methods and tools for assessing mobility impairments, identifying assistive devices, and determining appropriate support strategies for safe evacuation.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

- to equip the trainee with the knowledge and skills necessary to assess the functional abilities of individuals with mobility disabilities and develop tailored support plans for emergency evacuation.
- to emphasize the importance of individualized assessment and inclusive planning in promoting the safety and well-being of individuals with disabilities.

Learning Outcomes

Module 5: Improving knowledge of selected dysfunctions and degrees of disability with the promotion of the use of practical methods/techniques useful in an evacuation event

Sub-module 5.2 Assesses the level of functional ability of a person with a mobility disability

KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: - Understand the types and causes of mobility disabilities and their impact on emergency evacuation. - Learn about the functional abilities and limitations associated with different types of mobility impairments. - Comprehend the importance of conducting individualized assessments to determine the support needs of individuals with mobility disabilities during emergencies.	The trainee will be able to: - Conduct comprehensive assessments of individuals with mobility disabilities to identify their unique support needs during evacuation events. - Recognize and select appropriate assistive devices and support techniques to facilitate safe evacuation for individuals with mobility impairments.	The trainee will have: - Empathy and respect for the dignity and autonomy of individuals with mobility disabilities, recognizing their right to participate fully in emergency evacuation procedures. - Commitment to promoting inclusivity and accessibility in emergency planning and response efforts, particularly for individuals with mobility impairments. - Willingness to advocate for the needs and rights of individuals with disabilities in emergency preparedness initiatives.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.5.3 Submodule 5.3 Introduction to the application of useful methods and techniques when evacuating people with disabilities in the workplace

Content description

Submodule 5.3 provides an overview of practical methods and techniques for evacuating people with disabilities from the workplace during emergency situations. It covers various strategies and tools aimed at ensuring the safe and efficient evacuation of individuals with diverse disabilities.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

- To familiarize participants with effective methods and techniques for evacuating individuals with disabilities from the workplace in emergency scenarios.

Learning Outcomes

Module 5: Improving knowledge of selected dysfunctions and degrees of disability with the promotion of the use of practical methods/techniques useful in an evacuation event

Submodule 5.3: Introduction to the application of useful methods and techniques when evacuating people with disabilities in the workplace		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: - Learn about different types of disabilities and their implications for evacuation procedures. - Familiarize with practical methods, tools, and techniques for facilitating the safe and efficient evacuation of people with disabilities.	The trainee will be able to: - Assess the unique needs and abilities of individuals with disabilities in the context of emergency evacuations. - Utilize assistive devices and support techniques to facilitate the safe evacuation of individuals with disabilities.	The trainee will have: Commitment to promoting accessibility, inclusivity, and dignity in emergency planning and response efforts.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.5.4 Submodule 5.4 Examples of the application of methods/techniques useful when assisting people with disabilities during an emergency situation in the workplace

Content description

Submodule 5.4 delves into practical examples of methods and techniques essential for assisting people with disabilities during emergency situations in the workplace. It provides case studies, scenarios, and demonstrations to illustrate effective strategies for supporting individuals with diverse disabilities during evacuation and other emergency procedures.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

- To equip the trainee with concrete examples and demonstrations of methods and techniques for assisting people with disabilities during workplace emergencies.
- To enhance participants' practical knowledge and skills in implementing inclusive emergency response strategies.

Learning Outcomes

Module 5: Improving knowledge of selected dysfunctions and degrees of disability with the promotion of the use of practical methods/techniques useful in an evacuation event
Submodule 5.4: Examples of the application of methods/techniques useful when assisting people with disabilities during an emergency situation in the workplace

KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: - Understand the importance of tailored assistance methods and techniques for individuals with disabilities during emergency situations. - Know practical examples and case studies illustrating effective strategies for assisting people with various disabilities in the workplace. - Learn best practices and guidelines for providing support to individuals with disabilities during evacuation and other emergency procedures.	The trainee will be able to: Apply practical methods and techniques for assisting individuals with disabilities during emergency situations in the workplace.	The trainee will be: - Empathetic and sensitive towards the experiences and needs of individuals with disabilities during emergency situations. - Willing to engage in continuous learning and improvement to enhance the effectiveness of assistance methods and techniques for individuals with disabilities.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.6 Module 6. Technology Solutions for Emergency Management

Summary

This module is designed to explore the role of technology in enhancing various aspects of emergency management.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

- To equip participants with the knowledge and skills to effectively utilize technology solutions in various facets of emergency management.

Submodules

- Submodule 1: Emergency Communication Systems
- Submodule 2: Disaster Response and Recovery Technologies
- Submodule 3: Data Management and Analysis in Emergencies
- Submodule 4: Innovative Technologies in Emergency Management

Learning Outcomes

Module 6: Technology Solutions for Emergency Management		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: • Understanding of various technologies used in emergency communication systems. • Knowledge of disaster response and recovery technologies • Understanding data management techniques for analyzing emergencies. • Familiarity with innovative technologies like AI and IoT in emergency management. • Awareness of legal and ethical considerations related to technology use in emergencies.	The trainee will be able to: • Ability to operate emergency communication systems effectively. • Proficiency in utilizing disaster response and recovery technologies during emergencies. • Data collection, analysis, and interpretation skills for effective decision-making. • Competence in implementing innovative technologies to enhance emergency management strategies. • Communication skills to effectively collaborate with diverse teams and	The trainee will be able to: • Adaptability and flexibility in utilizing different technologies in dynamic emergency situations. • Commitment to continuous learning and staying updated with emerging technologies in emergency management. • Empathy and understanding towards the specific needs and challenges of disabled individuals in emergencies. • Proactive approach towards incorporating technology solutions for inclusive emergency management. • Resilience and composure under pressure while using

	stakeholders during emergencies.	technology solutions during crisis situations.
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Self-Assessment Section

About 20-25 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.6.1 Submodule 6.1 Emergency Communication Systems

Content description

Submodule 6.1 gives a brief presentation of various technologies and systems employed for effective communication in times of crisis. Participants will learn how to leverage and implement emergency communication systems to ensure timely, accurate, and widespread information dissemination, fostering a more coordinated and responsive approach to emergencies.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

- To equip participants with the knowledge and skills necessary to effectively utilize emergency communication systems in emergency management.

Learning Outcomes

Module 6: Technology Solutions for Emergency Management		
Submodule 6.1: Emergency Communication Systems		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: - Understanding various modes of communication used in emergencies, such as SMS alerts, social media, and radio broadcasting, etc. - Knowledge of assistive communication technologies for individuals with disabilities, including text-to-speech and Braille displays. - Familiarity with communication protocols and systems used by emergency responders and agencies. - Awareness of the challenges and limitations in communication systems during emergencies, especially for disabled individuals.	The trainee will be able to: - Proficiency in operating emergency communication systems and devices effectively. - Ability to adapt communication methods to accommodate diverse needs, including those of disabled individuals. - Communication skills to convey critical information clearly and concisely during high-stress situations. - Collaboration skills to coordinate communication efforts among different stakeholders and agencies. - Problem-solving skills to troubleshoot communication issues and ensure effective information dissemination.	The trainee will be able to: - Commitment to inclusivity and ensuring that communication systems are accessible to all individuals, regardless of disability. - Empathy towards the communication challenges faced by disabled individuals during emergencies. - Openness to feedback and continuous improvement in communication strategies and technologies. - Proactive approach towards testing and implementing alternative communication methods to address accessibility barriers. - Resilience and composure in maintaining effective communication channels even under challenging circumstances.

Understanding of accessibility standards and regulations related to emergency communication systems.		
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Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.6.2 Submodule 6.2 Disaster Response and Recovery Technologies

Content description

Submodule 6.2 gives a brief presentation of technologies crucial for effective response and recovery efforts during disasters. This submodule delves into various technologies employed in disaster management, addressing the specific needs and challenges faced during response and recovery phases. Participants will gain insights into leveraging technology to enhance the overall resilience and efficiency of disaster response and recovery operations.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

- To equip participants with the knowledge and skills necessary to effectively utilize disaster response and recovery technologies.

Learning Outcomes

Module 6: Technology Solutions for Emergency Management		
Submodule 6.2: Disaster Response and Recovery Technologies		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: - Understanding of the basics of disaster modeling and prediction. - Awareness of various technologies used in disaster response.	The trainee will be able to: - Ability to interpret basic disaster impact maps. - Proficiency in utilizing technology for reconnaissance purposes. - Familiarity with blockchain for basic tracking purposes.	The trainee will be able to: - Openness to exploring new technologies for emergency management. - Willingness to adapt to technological advancements in disaster response.

• Knowledge of basic principles of blockchain technology. • Understanding of data analysis techniques for disaster management. • Understanding of the role of real-time data collection and reporting during disaster response operations	• Basic data management skills for organizing disaster-related information. • Proficiency in utilizing mobile applications for real-time data collection and reporting during disaster response operations.	• Appreciation for the potential of technology to improve disaster outcomes. • Patience and willingness to learn new skills. • Positive outlook towards incorporating technology into emergency management practices.
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Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.6.3 Submodule 6.3 Data Management and Analysis in Emergencies

Content description

Submodule 6.3 gives a brief presentation of data management and analysis techniques in the context of emergency situations. This submodule focuses on understanding the role of data in emergency management, addressing the challenges and opportunities of data utilization during crises.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

To empower participants to contribute to more informed decision-making and improved response strategies through the effective use of data.

Learning Outcomes

Module 6: Technology Solutions for Emergency Management		
Submodule 6.3: Data Management and Analysis in Emergencies		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: • Understanding of data collection methods and tools used in emergency situations, such as sensors and mobile applications.	The trainee will be able to: • Data collection skills to gather relevant information from various sources during emergencies.	The trainee will be able to: • Commitment to data-driven decision-making and evidence-based practices in emergency management.

• Knowledge of basic data analysis techniques, including statistical analysis and machine learning algorithms, for extracting insights from emergency data. • Familiarity with data visualization tools for communicating complex emergency data effectively. • Awareness of privacy and security considerations when handling sensitive emergency data. • Understanding of the role of data in decision-making and resource allocation during emergencies.	• Data analysis skills to interpret emergency data and identify trends, patterns, and anomalies. • Proficiency in using data visualization tools to communicate insights and findings to stakeholders. • Data management skills to organize and maintain databases of emergency-related information. • Critical thinking skills to evaluate the reliability and validity of emergency data and analyses.	• Respect for privacy and ethical considerations when collecting and analyzing emergency data. • Collaboration mindset to share data and insights with relevant stakeholders and agencies. • Proactive approach towards leveraging data to improve preparedness, response, and recovery efforts. • Adaptability and openness to incorporating new data management technologies and methodologies to enhance emergency response capabilities.
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Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.6.4 Submodule 6.4 Innovative Technologies in Emergency Management

Content description

Submodule 6.4 gives a brief presentation of cutting-edge technologies and their applications in improving emergency management practices. This submodule focuses on identifying and understanding innovative technologies that have the potential to transform the way emergencies are prepared for, responded to, and recovered from.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

To expose participants to the latest technologies shaping the field of emergency management and empower them to integrate these innovations into their practices.

Learning Outcomes

Module 6: Technology Solutions for Emergency Management		
Sub-module 6.4: Innovative Technologies in Emergency Management		
KNOWLEDGE	SKILLS	ATTITUDES
- Understanding of emerging technologies with potential applications in emergency management, such as artificial intelligence (AI) and Internet of Things (IoT) devices. - Knowledge of case studies and examples showcasing the use of innovative technologies in real-world emergency scenarios. - Familiarity with the challenges and opportunities associated with adopting innovative technologies in emergency management. - Awareness of regulatory and ethical considerations related to the use of emerging technologies in emergencies. - Understanding of the role of innovation ecosystems and partnerships in driving technology adoption and innovation in emergency management.	- Basic experimentation and prototyping skills to test and evaluate the feasibility of innovative technologies for emergency applications. - Technology integration skills to incorporate innovative solutions into existing emergency management frameworks. - Risk assessment skills to identify potential risks and vulnerabilities associated with the adoption of new technologies. - Communication skills to explain complex technological concepts and benefits to non-technical stakeholders. - Problem-solving skills to address challenges and obstacles in implementing innovative technologies in emergency contexts.	- Curiosity and eagerness to explore new technologies and their potential applications in emergency management. - Innovative mindset to identify opportunities for innovation and technology-driven solutions in emergency scenarios. - Collaboration mindset to work with technology developers, researchers, and other stakeholders to co-create and implement innovative solutions. - Resilience and adaptability in navigating uncertainty and overcoming obstacles in the adoption of new technologies. - Commitment to continuous learning and improvement in leveraging innovative technologies to enhance emergency preparedness, response, and recovery efforts.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.7 Module 7. Use of VR/AR Technologies to Simulate Emergency Situations

Summary

Module 7, "Use of VR/AR Technologies to Simulate Emergency Situations," is dedicated to exploring the applications of Virtual Reality (VR) and Augmented Reality (AR) in the context of emergency preparedness. The submodules cover the introduction to VR, the benefits of VR/AR applications in emergency preparedness, a showcase of VR applications in emergency training, and practical considerations for implementation, with a specific focus on inclusivity for disabled individuals.

Resources/Medium

Content

Aim

This module aims to provide participants with a comprehensive understanding of how VR and AR technologies can enhance emergency training, preparedness, and response, including considerations for individuals with disabilities.

Submodules

- Submodule 1: Introduction to Virtual Reality (VR)
- Submodule 2: Benefits of VR/AR Applications in Emergency Preparedness
- Submodule 3: Showcase of VR Applications in Emergency Training
- Submodule 4: Practical Considerations and Implementation in Emergency Preparedness (including disabled individuals)

Learning Outcomes

Module 7: Use of VR/AR Technologies to Simulate Emergency Situations		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: • Understanding of the basic principles and components of virtual reality technology. • Knowledge of the history and evolution of VR technology. • Understanding of the potential benefits of using VR/AR in emergency preparedness. • Knowledge of research and case studies demonstrating the effectiveness of VR/AR training in emergency situations. • Understanding of how VR is used to simulate	The trainee will be able to: • Ability to navigate and interact within a virtual environment. • Skill in designing VR/AR training scenarios tailored to different emergency situations. • Skill in facilitating debriefing sessions and discussions based on VR training experiences. • Skill in prototyping VR/AR interfaces to ensure accessibility for all users.	The trainee will be able to: • Openness to embracing new technologies and their potential applications. • Optimism about the potential of VR/AR technologies to improve emergency response capabilities. • Appreciation for the immersive and engaging nature of VR training experiences. • Empathy towards the needs and concerns of individuals with disabilities in VR/AR environments. • Commitment to promoting equal access and participation in emergency preparedness

different types of emergency scenarios. • Understanding of practical considerations and accessibility principles in VR/AR simulations.	• Ability to provide support and assistance to individuals with disabilities during VR training sessions.	activities through inclusive design principles.
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Self-Assessment Section

About 20-25 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.7.1 Submodule 7.1: Introduction to Virtual Reality (VR)

Content description

Submodule 7.1 gives a brief presentation of the basic principles, concepts, and applications of Virtual Reality. This submodule aims to provide a comprehensive overview of VR technology, its capabilities, and its potential applications in the context of emergency preparedness.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

To familiarize participants with the fundamental concepts and capabilities of Virtual Reality

Learning Outcomes

Module 7: Use of VR/AR Technologies to Simulate Emergency Situations		
Sub-module 7.1: Introduction to Virtual Reality (VR)		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: - Understand the basic principles and concepts of Virtual Reality. - Grasp the technical components and functionalities of VR technology. - Comprehend the immersive nature of VR and its potential applications in various fields, including emergency preparedness.	The trainee will be able to: - Operate and navigate basic VR interfaces and devices. - Identify and assess the different types of VR experiences and applications.	The trainee will be able to: Recognize the transformative potential of VR in creating immersive and engaging training environments.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.7.2 Submodule 7.2: Benefits of VR/AR Applications in Emergency Preparedness

Content description

Submodule 7.2 delves into the specific advantages and applications of Virtual Reality (VR) and Augmented Reality (AR) technologies in the context of emergency preparedness.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

To enlighten participants about the specific advantages and potential applications of VR and AR in the realm of emergency preparedness.

Learning Outcomes

Module 7: Use of VR/AR Technologies to Simulate Emergency Situations		
Sub-module 7.2: Benefits of VR/AR Applications in Emergency Preparedness		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: - Understand the specific advantages and applications of Virtual Reality and Augmented Reality in emergency preparedness. - Grasp the transformative potential of VR/AR technologies in enhancing training, simulation, and overall preparedness efforts.	The trainee will be able to: - Evaluate and articulate the practical benefits of incorporating VR/AR applications in emergency management. - Apply critical thinking to assess the suitability of VR/AR for specific training and preparedness objectives.	The trainee will be able to: Recognize the transformative potential of VR/AR in reshaping traditional training and simulation practices.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.7.3 Submodule 7.3: Showcase of VR Applications in Emergency Training

Content description

Submodule 7.3 gives a brief presentation of of real-world applications and case studies highlighting the use of Virtual Reality (VR) technology in emergency training scenarios. This submodule aims to showcase the diverse and practical ways in which VR is currently being utilized to enhance training, improve response capabilities, and simulate emergency situations effectively.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

- To expose participants to a variety of practical and successful applications of VR technology in the field of emergency training.

Learning Outcomes

Module 7: Use of VR/AR Technologies to Simulate Emergency Situations		
Sub-module 7.3: Showcase of VR Applications in Emergency Training		
KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: - Understand the diversity of VR applications in emergency training scenarios. - Grasp the practical implementation strategies and case studies of successful VR use in emergency management. - Analyze the effectiveness of VR in enhancing training outcomes and response capabilities.	The trainee will be able to: Evaluate and identify potential applications of VR technology for specific emergency training objectives.	The trainee will be able to: Foster a positive and innovative attitude towards adopting VR in emergency training initiatives.

Self-Assessment Section

Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible

3.7.4 Submodule 7.4: Practical Considerations and Implementation in Emergency Preparedness (including disabled individuals)

Content description

Submodule 7.4 gives a brief presentation of the practical aspects of integrating Virtual Reality (VR) technology into emergency preparedness initiatives with a specific emphasis on inclusivity for individuals with disabilities.

Resources/Medium

About 5 online ppt/slides

Training manual of 5-6 pages including graphs, tables, etc.

Aim

To equip participants with the knowledge and skills to implement VR applications in emergency preparedness while ensuring inclusivity for individuals with disabilities.

Learning Outcomes

Module 7: Use of VR/AR Technologies to Simulate Emergency Situations

Sub-module 7.4: Practical Considerations and Implementation in Emergency Preparedness (including disabled individuals)

KNOWLEDGE	SKILLS	ATTITUDES
The trainee will be able to: - Grasp the principles of inclusive design for VR training scenarios, particularly for individuals with disabilities. - Analyze the importance of considering diverse needs and abilities in VR implementation.	The trainee will be able to: Apply practical considerations to ensure accessibility and effectiveness in VR training scenarios.	The trainee will be able to: Recognize the significance of accessibility in ensuring the effectiveness and reach of VR applications in emergency preparedness.

Self-Assessment Section

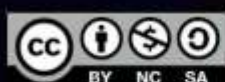
Up to 5 questions structured as a multiple choice/True-False quiz

Suggested Literature

Please suggest relevant literature if possible



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