

AI FOR OSH PRACTITIONERS



Perintis OSH Sdn Bhd



2-days



HRDC
Claimable



In-House



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Introduction:

This course introduces OSH practitioners to the fundamentals and practical applications of Artificial Intelligence (AI) in occupational safety and health. Participants will learn how AI can support OSH duties, reporting, risk management, training, and workplace safety processes, with hands-on exercises to apply AI tools effectively.

Training Methodology:

Interactive lectures, hands-on AI exercises, group discussions, practical applications, quizzes, and group presentations

Objectives:

- Understand AI fundamentals and its applications in OSH
- Learn effective AI prompting techniques
- Use AI tools for reporting, accident investigation, and risk management
- Apply AI for training content creation and safety campaigns
- Enhance workplace safety processes through AI-assisted solutions

Benefits:

- Gain practical knowledge of AI tools for OSH duties
- Improve efficiency in reporting and risk management
- Learn to create AI-assisted training materials and campaigns
- Enhance workplace safety and compliance using AI solutions
- Hands-on experience with real-world AI applications in OSH

Course Outline

Fundamentals & OSH Responsibilities

- OSH Coordinator duties, 5 core duties, key challenges

Introduction to AI

- Machine Learning, Computer Vision, NLP, Generative AI, and real-world OSH applications

Prompting 101 (PROSAF)

- Creating effective prompts, good vs bad prompts, hands-on prompt creation

AI for OSH Duties

- Assisting employers, workplace inspection, AI checklists

AI for Reporting

- NADOPD & JKKP 6/7/8, reporting flows, AI-assisted accident investigation, 5-Why, CAPA, narrative generation

AI for Risk Management

- Risk co-pilot concept, HIRARC, JSA generation, risk scoring and control measures

AI Tools for Training & Campaigns

- Posters, slogans, jingles, MCQs, mini training modules, hands-on group product creation

Practical Application & Discussion

Contact Us :



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