CELTEC

Centre for Emerging Leading Edge Technology Empowering Change

Utilising AI and Machine Learning for Asset Management

This course covers how Digital Asset Management (DAM), enhanced by AI and Machine Learning, uses real-time data, predictive models, and digital systems to monitor asset health continuously, enable predictive maintenance, and optimise whole-life value.

For more information and to apply, visit
www.celtec.ie/aiam

Course Learnings

Apply AI-enhanced asset management principles
Develop effective strategies that align asset performance, risk, cost, and organisational objectives across the asset lifecycle.

Use Machine Learning with enterprise asset management systems
Integrate legacy data, analyse asset conditions, detect faults, and support predictive maintenance decisions

Design intelligent asset management solutions
Leverage real-time data, AI models, and digital technologies to optimise asset reliability, longevity, and whole-life value.

Implement AI-enabled governance and risk management practices
Incorporate ethical considerations, AI governance principles, and responsible decision-making into digital asset management.

Demonstrate practical AI and machine learning skills
Hands-on industry scenarios using EAM/CMMS platforms to solve real-world asset management challenges and improve operational performance.

APPLY

www.fetchcourses.ie

AT A GLANCE

DURATION
4 Online (Sync) Sessions +
4 Online (Async) Sessions +
2 Classroom Days

LOCATION
Online + CELTEC, Celbridge, Co. Kildare, W23 HCK2

DELIVERY
Online and Classroom Based

SUITABILITY
Those in employment in the Kildare and Wicklow regions

COST
This course is partially funded under the Skills To Advance initiative for eligible applicants

COURSE REQUIREMENT
Ideally, learners have prior technical experience or knowledge and/or exposure to an industrial environment

CERTIFICATION
QQI Level 6 Micro-Qualification in AI and Machine Learning for Asset Management

Skills to Advance
boost skills - boost business

BORD OIDEACHAIS AGUS OILIÚNA CHILL DARA AGUS CHILL MHANTÁIN
KILDARE AND WICKLOW EDUCATION AND TRAINING BOARD

SOLAS
An tSeirbhís Oideachais Leanúnaigh agus Scileanna
Further Education and Training Authority