Digital Jobs Program Handbook

Building Victoria's digital workforce



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VICTORIA State Government

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(Published 5 October 2026)

Digital Jobs

About the program

The Digital Jobs program is providing Victorian construction and advanced manufacturing businesses with free, industry-endorsed training to upskill their workforce.

This $4.2 million Economic Growth Statement initiative offers access to cutting-edge training opportunities for in-demand digital skills that are critical for innovation and technology adoption in the construction and advanced manufacturing sectors.

The program issues vouchers that allow eligible businesses to enrol their leaders and workers in specialist digital skills courses, leadership workshops and training for trades on the tools at no cost to the business. The program is running over 4 rounds until June 2027. A business may access up to 5 vouchers per round (one voucher per employee in each round), subject to availability.

The program supports Victorian construction and advanced manufacturing businesses to grow and maintain their competitive advantage by providing training opportunities in critical digital skills for leaders and workers in these sectors.

The program offers specialist digital skills courses, leadership workshops and training for trades on the tools.

- Specialist digital skills courses provide in-depth knowledge to enable digital transformations at an operational level. These courses are run **online** over **6-weeks**.
- Leadership workshops inform strategic decision making on technology adoption. These workshops are run **in person** over **one day**.
- Training for trades on the tools upskill workers with specific skills. These workshops are run **in person** across a **half or full day**.

About this program handbook

This handbook provides an overview of the free training available through the Digital Jobs program. Round 3 of the program commenced in August 2026 and offers training in the following areas:

> Artificial Intelligence (AI) / machine learning
> Building Information Modelling (BIM)
> Computer Aided Design/Computer Aided Manufacturing (CAD/CAM)
> Data analytics
> Digital marketing
> Emerging technologies & Industry 4.0
> Enterprise Resource Planning (ERP)
> Project management (Agile)

Training available in Round 3 by course type

Businesses may access up to 5 vouchers per round, subject to availability. Businesses can request only one voucher per employee in each round. Nominated employees must be based in Victoria.

Leadership Workshops – 1 day

Melbourne Business School	**1. Data Driven Decision Making**
When: Monday 30 Nov 2026 **Where**: Parkville campus ***One day in person workshop***	Learn the art and science of turning data into business results, traverse the analytics journey (descriptive, diagnostic, predictive, prescriptive) and use AI to unlock the power of advanced analytics. Ideal for leaders keen to make faster, safer, margin-positive decisions.
Swinburne University of Technology	**3. De-mystifying AI in Manufacturing for Leaders**
When: Friday 13 Nov 2026 **Where**: Hawthorn campus ***One day in person workshop***	An immersive, unique, hands-on workshop where you experience the real impact of AI in manufacturing. Explore applications such as predictive maintenance, machine vision for defect detection, activity recognition for safety, quality, productivity, process mistake-proofing, automated asset inspection, prompt engineering, generative AI and agentic AI. Ideal for manufacturing leaders keen to understand AI's potential, practical steps for adoption, and to learn from real-world success stories.
Swinburne University of Technology	**4. Industrial AI enabled Digital Manufacturing for Leaders**
When: Round 4, from Feb 2027 **Where**: Preston ***One day in person workshop***	This immersive, hands-on leadership workshop explores how Industrial Artificial Intelligence (AI) operates as the intelligence layer within Industry 4.0 environments. Participants will learn how AI, connectivity, automation, and data are converging to drive more human-centric, sustainable, and resilient manufacturing outcomes – often described as Industry 5.0. Ideal for senior leaders seeking to understand how these technologies can be applied regardless of your organisation's digital maturity.
Holmesglen Institute	**8. Project Management for Leaders**
When: Thursday 26 Nov 2026 **Where**: Chadstone campus ***One day in person workshop***	Explore agile and hybrid project management methodologies and how to strategically select and apply digital tools that enhance project planning, execution and oversight. Ideal for leaders, whether managing small teams or enterprise-wide initiatives.
Swinburne University of Technology	**22. Accelerating Maintenance & Reliability Excellence with Digital Technologies**
When: Round 4, from Feb 2027 **Where**: Hawthorn campus ***One day in person workshop***	This workshop is designed for senior leaders who are looking to minimise unplanned downtime, extend asset longevity, and optimise maintenance costs in their manufacturing facility. Suitable for both newcomers to reliability practices and those advancing beyond initial pilot projects, the workshop provides practical insights, case studies, and emerging trends to help you progress confidently on your reliability journey.
Holmesglen Institute	**23. Emerging Technologies in Construction**
When: Round 4, from Feb 2027 **Where**: Chadstone campus ***One day in person workshop***	Designed for construction leaders, supervisors, and project managers, this workshop builds the knowledge, mindset and confidence needed to lead digital transformation across project teams and worksites. Participants will explore the sector's shift towards Modern Methods of Construction (MMC) and gain exposure to a broad range of emerging technologies shaping design, engineering, planning, and on-site monitoring across the Australian construction industry.

Swinburne University of Technology	25. Industrial AI enabled Digital Manufacturing for Leaders (Geelong)
When: Round 4, from Feb 2027 **Where**: Geelong ***One day in person workshop***	This immersive, hands-on leadership workshop delivered in Geelong explores how Industrial Artificial Intelligence (AI) operates as the intelligence layer within Industry 4.0 environments. Participants will learn how AI, connectivity, automation, and data are converging to drive more human-centric, sustainable, and resilient manufacturing outcomes – often described as Industry 5.0. Ideal for senior leaders seeking to understand how these technologies can be applied regardless of your organisation's digital maturity.
Swinburne University of Technology	**28. Enterprise Resource Planning: Connecting Business Processes, Systems and Decision Making**
When: Round 4, from Feb 2027 **Where**: Hawthorn Campus ***One day in person workshop***	This practical and hands-on workshop explores how ERP systems connect key business functions, support information flow, and provide a single source of truth for operational and business decision-making. Participants will learn how ERP solutions can help address common business challenges such as managing supply chains, coordinating projects and resources, maintaining accurate inventory and purchasing records, improving reporting, and supporting cross-functional collaboration. Ideal for industry professionals in senior, middle management and frontline leadership roles who are seeking to evaluate, implement or gain greater value from ERP systems.

Specialist digital skills courses: 6-weeks

Swinburne University of Technology	**9. AI and Machine Learning: 6-week course**
When: Round 4 – February 2027 **Where**: Online ***9.30am-12.30pm each week***	Explore ML and Deep Learning (DL) fundamentals, use data from real-world use cases, AI algorithm design, and the responsible use of AI in engineering contexts. Ideal for engineering professionals looking to confidently design, evaluate, and apply AI/ML techniques to engineering problems while understanding their ethical and practical implications.
Swinburne University of Technology	**10. Computer Aided Design and Manufacturing (CAD/CAM): 6-week course**
When: Round 4, from Feb 2027 **Where**: Hawthorn campus ***5.30pm-8.30pm each week*** ***In person***	Build practical skills in 2D and 3D CAD aligned with AS1100 standards using SolidWorks and Creo P, and gain experience in CAM processes including 3D printing, 3D scanning with reverse engineering and metrology, laser cutting, and CNC machining. Explore emerging technologies such as augmented reality, AI-driven generative design, topology optimization, and 3D concrete printing. Ideal for manufacturing workers looking to upskill in CAD.
Swinburne University of Technology	**11. De-mystifying AI enabled Digital Manufacturing (Industry 4.0) for Leaders: 6-week course**
When: Round 4, from Feb 2027 **Where**: Online ***Wks 1-5 online 9.00am-12.00pm*** ***Wk 6 in-person***	Explore key technologies such as IIoT, digital twins, robotics, additive manufacturing, AR/VR and how AI is enabling predictive, analytical, generative, and emerging agent-based approaches for AI-enabled Industry 4.0. Ideal for leaders looking to become digital technology champions, drive strategy, promote adoption, and lead transformation projects.
RMIT University	**12. Agile for Project Management: 6-week course**
When: Round 4, from Feb 2027 **Where**: Online ***1 hour per week + 10 hours of self-paced learning***	Learn the key concepts, tools, and mindset of Agile to effectively plan, deliver, and measure successful projects for your team or organisation. Ideal for professionals looking to effectively implement Agile methodologies as a project management tool in their team or workplace.
RMIT University	**13. Business Analytics and Visualisation: 6-week course**
When: Round 4, from Feb 2027 **Where**: Online ***1 hour per week + 10 hours of self-paced learning***	Learn the foundations of business analytics with Excel and how to tell compelling stories through data visualisation with Tableau. Ideal for professionals looking to utilise data to draw insights and inform business decisions with improved accuracy and efficiency.
RMIT University	**14. Digital Marketing Strategy: 6-week course**
When: Round 4, from Feb 2027 **Where**: Online ***1 hour per week + 10 hours of self-paced learning***	Gain the knowledge and tools required to plan and execute a successful digital marketing strategy. From understanding the marketing mix to campaign objectives, learn how to generate awareness, increase acquisition, and drive engagement. Ideal for professionals interested in identifying personas and product unique selling propositions (USPs), mapping the customer journey, developing campaign objectives, and creating a channel plan.
RMIT University	**15. Project Management for Professionals: 6-week course**
When: Round 4, from Feb 2027 **Where**: Online ***1 hour per week + 10 hours of self-paced learning***	Manage complex projects and evolving systems of work by developing essential project management and human skills to confidently motivate, communicate, and deliver business outcomes. Ideal for professionals looking to further develop people skills alongside technical project management capability.

Training for trades on the tools – In person workshops

Melbourne Polytechnic	18. Introduction to Computer Aided Design (CAD)
When: Round 4, from Feb 2027 **Where**: Preston campus ***One day in person workshop***	This workshop is ideal for trade workers and beginners with little or no experience in AutoCAD. You will learn how digital applications are used to create and manage architectural drawings and project data. Understand simple digital workflows, select the right tools for specific tasks, and apply standard architectural conventions to support project communication and documentation.
Holmesglen Institute	**19. Practical AI Tools: Save Time, Improve Marketing, and Automate Business Tasks**
When: Round 4, from Feb 2027 **Where**: Chadstone campus ***Half day in person workshop***	This is a 4-hour introductory workshop designed to help participants understand how AI can support everyday business activities. Participants will explore AI tools that can assist with reporting, generating marketing content, improving job quoting, and automating routine admin tasks. The session focuses on practical, beginner-friendly applications that can increase productivity, save time, and support business decisions. Ideal for those looking to understand how AI can be applied in a practical way to start automating business operations.
Melbourne Polytechnic	**20. Building Information Modelling (BIM Revit)**
When: Round 4, from Feb 2027 **Where**: Preston campus ***One day in person workshop***	This workshop is designed for designers who use digital applications to produce drawings and data for architectural projects. You will learn how to choose appropriate digital tools, follow architectural standards, and manage BIM project data effectively. The workshop combines face-to-face explanation, demonstration, and practical, hands-on activities using BIM software.

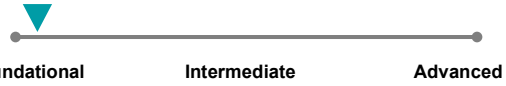
1 Data Driven Decision Making

Leadership workshop – One day (in person)

Make better decisions, faster; learn the art and science of turning data into business results. In a world awash with dashboards, this course shows you how to move from information to action; traversing the analytics journey (descriptive, diagnostic, predictive, prescriptive) and using AI as the key enabler to unlock the power of advanced analytics. You will demystify data, analytics, and AI, cut through hype, and learn how to make faster, safer, margin-positive decisions.

This course is relevant for project managers, team managers, business analysts, and consultants, as well as leaders from non-technical areas - operations managers, commercial managers, finance leaders, heads of supply chain, and general managers—who need confident, repeatable, and accountable decisions.

RECOMMENDED DIGITAL SKILL LEVEL:



What will I study?

Learning Modules:

1) **Data-Driven Decision-Making in Practice: Truths vs. Myths**

   Build the muscle to balance expertise with evidence. Address cognitive biases, set decision rights and cadences, and learn when to trust models versus judgment—so analytics informs decisions rather than replaces them.

2) **Analytics Maturity: How Organisations Create Value from Data**

   Locate your organisation on the maturity curve. Identify the drivers—strategy, leadership, culture, governance, data ecosystem, talent—and select an operating model that fits your reality. Avoid patterns that stall value.

3) **Descriptive Analytics: The Story So Far**

   Master the fundamentals: dashboards, visual analytics, leading vs. lagging indicators, and signal vs. noise. Know where descriptive analytics helps—and where it misleads—so correlation isn't mistaken for causation.

4) **Diagnostic Analytics: From Correlation to Causality**

   Move from "what happened" to "why." Apply causal thinking, root-cause techniques, and structured causal models to real scenarios (e.g., rework spikes, supplier slippage, safety incidents).

5) **Predictive Analytics: Seeing Around Corners**

   Use statistical and machine-learning methods to forecast risks and outcomes (schedule slippage, quality defects, downtime). Interpret uncertainty responsibly, stress-test scenarios, and link predictions to actionable decisions.

6) **Prescriptive Analytics: Choosing the Best Path**

   Turn insight into action. Use optimisation, simulation, and decision rules to balance cost, schedule, quality, and safety under real-world constraints. Design human-in-the-loop decision routines that endure.

7) **AI as the Advanced Analytics Accelerator:**

   Learn the core AI concepts and clearly distinguish AI from non-AI approaches, crucial in an age of "AI washing." Understand AI's role as the engine behind advanced analytics. Understand how to balance

business value with AI risk, assessing business value vs. model and data risks (bias, privacy, safety, governance) to enable safe, responsible adoption.

Class schedule

Monday 30 November 2026

Location: Melbourne Business School, Parkville campus

Hours: One day in person workshop (8 hours) + podcasts and readings (1 hour preparation)

What skills will I develop?

Learners who successfully complete this course will be able to:

- Assess analytics maturity and select a fit-for-purpose operating model for their organisation.
- Apply the full analytics stack—descriptive, diagnostic, predictive, prescriptive—to real business problems.
- Ask the right questions to extract and structure insights from organisational data.
- Build conceptual frameworks for diagnostic analyses to move from correlations to causation.
- Make stronger decisions by blending analytical evidence with domain expertise.
- Recognise and mitigate cognitive biases in business decision contexts.
- Embed analytics and AI into organisational culture through strategic, practical adoption.
- Communicate insights, uncertainty, and trade-offs clearly to executives and frontline leaders.

Who will teach me?

Facilitator: Associate Professor Jamie Cross

Jamie Cross is an Associate Professor of Econometrics & Statistics at Melbourne Business School and a recognised expert in data-driven decision-making, predictive analytics and machine learning. He helps organisations turn complex data into practical insights that improve performance, manage risk and support better strategic decisions. His work focuses on identifying the drivers of business and economic outcomes, forecasting future trends and applying advanced analytical techniques to real-world organisational challenges.

Areas of Specialisation
Macroeconomics, Econometrics, Statistics, Data Analysis, Machine Learning, Business Forecasting & Predictive Analytics, Data-Driven Decision Making & Business Analytics

Link:	Mbs.edu
Contact details	custom@mbs.edu

3. De-mystifying AI in Manufacturing

Leadership workshop – One day (in person)

An immersive, unique, hands-on workshop where you experience the real impact of AI in manufacturing. AI is no longer a buzzword – it's already boosting safety, productivity, and efficiency on factory floors. This one-day workshop makes AI accessible and practical, blending case studies, an AI readiness self-assessment, and live demonstrations of AI technologies.

You'll explore applications such as predictive maintenance, machine vision for defect detection, activity recognition for safety, quality, productivity, process mistake-proofing, automated asset inspection, prompt engineering, generative AI and agentic AI. You'll leave with a clear understanding of AI's potential, practical steps for adoption, and inspiration from real-world success stories. It takes a holistic approach to lay the foundations for understanding AI in manufacturing, helping leaders gain the confidence to explore and adopt AI.

RECOMMENDED DIGITAL SKILL LEVEL:



No pre-requisites or prior learning – just an interest in what's possible and a basic level of digital literacy. Participants must bring own device with wi-fi or internet connectivity (laptop or tablet) for self-assessment.

Interested in this workshop? Watch the video from the Round 1 De-mystifying AI in Manufacturing for Leaders workshop **here**.

What will I study?

Subjects/Modules:

- **Simple Explanations**: Understand the core concepts of AI in easy-to-follow terms
- **Real-World Applications**: showing how AI can enhance manufacturing outcomes
- **AI Readiness self-assessment**: Gain a clear view of your organisation's AI maturity across key capabilities to accelerate adoption
- **Hands-On interactive Experiences**: Explore AI through guided demonstrations that reinforce your understanding
- **Expert Guidance**: Industry professionals, leaders and experts share their knowledge, experiences, and insights on how to get started on your AI journey
- **Manufacturing Insights**: of AI and its applications from multiple manufacturing examples and use cases.

Total Course Load: One-day, 8-hour workshop
Course delivery mode: In-person workshop

Ideally suited to*:* Industry professionals in senior, middle management, and front-line leadership roles. Business owners/MD's, GM's, Ops Managers, Production & Maintenance Managers, Innovation/CI/Digital Transformation Managers, Production/Quality supervisors, and team leaders from various manufacturing and processing industries, including Food & Beverage, Agribusiness, Defence, FMCG, etc.

Assessments

Participants complete an AI readiness self-assessment and receive a personalised report.

Class schedule

Friday 13 November 2026
Location: Swinburne University of Technology – Factory of the Future, Hawthorn campus
Hours: 8.30am - 4.30pm (Includes morning/afternoon tea, lunch. On-site parking available)

What skills will I develop?

Workshop participants have:

- Increased confidence: Gaining a foundation or enhanced existing knowledge of AI and its applications
- Increased familiarity & understanding: of AI Concepts (core principles, terminology, benefits)
- Seen Real Benefits: Discover how AI technologies can enhance manufacturing operations
- Access to experts: Discuss current challenges for a business case or technology implementation
- Network with Peers: Connect with other manufacturers and industry professionals and share experiences
- Take the next Step: Leave with actionable insights to continue their AI journey in your business

Soft Skills: Digital literacy, strategic and critical thinking, problem solving, confidence building, self-awareness and reflection, collaboration and networking

What current and emerging software and technology will be used in the delivery of this course or workshop?

Participants have the opportunity to engage with AI demonstrators including sensors and predictive maintenance, machine vision, wearables, energy monitoring, analytical and generative AI.

Who will teach me?

Delivered by a mix of seasoned manufacturing industry professionals, academics, and industry/technology partners. Each has extensive working experience in advanced manufacturing and/or implementing AI technologies in the manufacturing sector and typically hold a Masters or higher qualification in an engineering discipline. Industry partners may be invited to deliver practical hands-on sessions of the workshop

Link:	https://www.swinburne.edu.au/research/platforms-initiatives/factory-of-the-future/
Contact details	Vikram Sachdeva, Swinburne's Factory of the Future, T: +61 407 423 538 E: industry4hub@swin.edu.au

Further study options:
Enrol in our 6-week training course: AI/ ML foundational skills for Engineering Applications.
Explore Industry 4.0 and digital technologies via our 6-week training course: De-mystifying AI enabled Digital Manufacturing (Industry 4.0) for Leaders .

4. Industrial AI enabled Digital Manufacturing for Leaders

Leadership workshop – One day (in person)

An immersive, hands-on leadership workshop exploring how Industrial Artificial Intelligence (AI) operates as the intelligence layer of Industry 4.0. AI is no longer a future concept for manufacturing – it is already being deployed across Australian factories, improving safety, quality, productivity, and decision-making. This one-day leadership workshop brings together AI fundamentals with core Industry 4.0 technologies to help manufacturing leaders understand how data, connectivity, automation and intelligence are increasingly working together, regardless of the starting point.

Designed for leaders seeking clarity rather than hype, the workshop explains how Industrial AI and Industry 4.0 are converging, and how leadership intent is shaping their use toward more human-centric, sustainable, and resilient manufacturing outcomes, often referred to as Industry 5.0. Participants explore real-world applications such as predictive maintenance, machine vision for defect detection, activity recognition for safety, asset tracking, wearables, knowledge capture and management, and emerging Agentic AI. This is delivered through hands-on demonstrators showing how AI integrates with familiar Industry 4.0 technologies (IIoT, Robotics, 3D printing, AR/VR).

This workshop takes a holistic, systems-level approach, helping leaders understand not only what AI and other technology can do, but how they can be applied in ways that fit existing manufacturing processes, assets, workforce capabilities and business realities.

RECOMMENDED DIGITAL SKILL LEVEL:



No pre-requisites or prior learning required – just bring your curiosity and have a basic level of digital literacy.

What will I study?

Subjects/Modules:

- **Simple Explanations**: Understand the core concepts of Industrial AI & Industry 4.0 in easy-to-follow terms
- **Real-World Applications**: Showing how digital technologies can enhance manufacturing outcomes like improved safety, quality and productivity
- **Hands-On interactive Experiences**: Explore digital technologies through guided demonstrations that reinforce your understanding
- **Expert Guidance**: Industry professionals, leaders and experts who will share their knowledge, experiences and insights on how to digital technologies and their applications through multiple manufacturing examples and use cases

Total Course Load: Full day, in-person workshop

Ideally suited to*:* Industry professionals in senior, middle management, and front-line leadership roles. Business owners/MD's, GM's, Ops Managers, Production & Maintenance Managers, Innovation/CI/Digital Transformation Managers, Production/Quality supervisors, and team leaders from various manufacturing and processing industries, including Food & Beverage, Agribusiness, Defence, FMCG, etc.

Class schedule

Round 4 – From February 2027
Location: Preston

What skills will I develop?

Workshop participants have:

- Increased confidence: Gaining a foundation or enhanced existing knowledge of Industrial AI, Industry 4.0 and its applications
- Increased familiarity and understanding: of Industry 5.0 concepts (core principles, terminology, benefits)
- Seen real benefits: Discover how digital technologies can benefit and enhance manufacturing operations
- Have access to experts: Discuss current challenges for a business case or technology implementation
- Network with peers: Connect with other manufacturers and industry professionals and share experiences
- Take the next step: Leave with actionable insights to begin your digital transformation journey in your business

Soft Skills: Digital literacy, strategic and critical thinking, problem solving, confidence building, self-awareness and reflection, collaboration and networking

What current and emerging software and technology will be used in the delivery of this course or workshop?

Participants have the opportunity to engage with hands-on demonstrations showing how AI-enabled Industry 4.0 systems support outcomes commonly associated with Industry 5.0, including predictive maintenance, machine vision, wearables, energy monitoring, analytical, generative & agentic AI.

Who will teach me?

Delivered by a mix of seasoned manufacturing industry professionals, academics, and industry/technology partners. Each has extensive working experience in advanced manufacturing and/or implementing Industry 4.0 technologies in the manufacturing sector and typically hold a Masters or higher qualification in an engineering discipline. Industry partners may be invited to deliver practical hands-on sessions of the workshop.

Link:	https://www.swinburne.edu.au/research/platforms-initiatives/factory-of-the-future/
Contact details	Vikram Sachdeva, Swinburne's Factory of the Future, T: +61 407 423 538 E: industry4hub@swin.edu.au

Further study options include:

Enrol in our 6-week training course: AI/ ML foundational skills for Engineering Applications.
Explore Industry 4.0 and digital technologies via our 6-week training course: De-mystifying AI enabled Digital Manufacturing (Industry 4.0) for Leaders ..

8. Project Management for Leaders

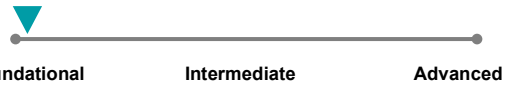
Leadership workshop – One day (in person)

This one-day workshop is designed for professionals seeking to elevate their digital project management capabilities. With a focus on Agile and hybrid methodologies, participants will explore how to strategically select and apply digital tools that enhance project planning, execution, and oversight.

The course blends practical demonstrations with strategic insight, helping participants navigate real-time tracking, team collaboration, and ethical leadership in tech-enabled environments.

Whether you're managing small teams or enterprise-wide initiatives, this workshop will equip you with the tools and frameworks to lead confidently in the digital age.

RECOMMENDED DIGITAL SKILL LEVEL:



What will I study?

Subjects/Modules:

- Strategic Alignment and Tool Selection
- Industry Context: Why digital tools matter in modern project leadership
- Digital Project Management Essentials
- Strategic Tool Selection
- Oversight, Communication & Leadership in Digital Projects
- Monitoring and Control
- Hybrid Communication Planning
- Keeping teams engaged, informed & aligned
- Risk, Ethics & AI Tools
- Peer exchange on leadership in digital project environments

Total Course Load

1 Day (6 hours)

Course delivery mode

Face-to-face delivery at Holmesglen's Chadstone campus

Assessments

Quizzes or question and answer activities may be included throughout the session to ensure understanding of content and achievement of key learning outcomes.

Class schedule

Thursday 26 November 2026
Location: Holmesglen Institute, Chadstone campus
Hours: 1 Day (6-hour), in person

What skills will I develop?

By the end of the session, participants will:

1. Understand key digital project management methodologies, with a focus on Agile and hybrid approaches.
2. Explore and evaluate leading digital project management tools.
3. Learn how to monitor, track, and report on project progress in real time.
4. Develop insight into communication and collaboration strategies across digital platforms.
5. Discuss governance, ethical leadership, and responsible AI use in digital project environments.

What current and emerging software and technology will be used in the delivery of this course or workshop?

Brightspace LMS: A cloud-based learning management system used to host all course materials, assessments, and learning resources. It facilitates flexible access to asynchronous content, supports discussion forums, and provides real-time progress tracking.

Webex: To enable guest speaker integration and collaborative activities.

Program-Specific Tool Integration
The courses expose learners to a range of industry-standard platforms and vendor technologies

Who will teach me?

This master class is led by experienced trainers, with extensive industry experience, who work across technology, consulting, and digital transformation, combining strategic insight with hands-on expertise in digital tools for project management.

Link:	Holmesglen.edu.au
Contact details	Faculty of Higher Education and Applied Research E: Higher.Education@holmesglen.edu.au P: (03) 9564 1741

Further study options include:

Holmesglen offers a range of business management qualifications with a strong emphasis on digital skills and tools to support modern workplace needs - https://www.holmesglen.edu.au/

22. Accelerating Maintenance & Reliability Excellence with Digital Technologies

Leadership workshop – One day (in person)

As manufacturing transitions from traditional Total Productive Maintenance (TPM) to Reliability-Centred Maintenance (RCM), the focus shifts to financially optimized maintenance of assets at the right time - guided by data, analytics and digital intelligence. Achieving Reliability Excellence in manufacturing is no longer just a maintenance goal - it's a strategic advantage. True reliability excellence demands moving beyond manual scheduling & subjective prioritisation toward data-driven, automated decision-making embedded in configurable platforms.

Reliability Excellence can be a challenge for any organisation. However, there are steps that every business must go through and predictable roadblocks that will appear along the way. In this highly interactive workshop, you will be guided through the steps that will enable you to achieve Reliability Excellence in the most efficient way possible. Through hands-on demonstrations and guided discussions, you'll see how predictive and prescriptive maintenance models can detect, diagnose and even prevent failures before they happen. This workshop is designed for senior leaders looking to reduce unplanned downtime, extend asset life and optimize maintenance costs in their manufacturing facility. Whether you are exploring Reliability for the first time or looking to move beyond some pilot deployments to embedding Reliability culture within your organisation, this workshop offers practical insights, real examples, use cases and trends helping you move forward confidently on your Reliability journey.

RECOMMENDED DIGITAL SKILL LEVEL:



No pre-requisites or prior learning required – just bring your curiosity and have a basic level of digital literacy.

What will I study?

Subjects/Modules:

- **Simple Explanations**: Understand the core concepts of Maintenance & Reliability Excellence in easy-to-follow terms.
- **Reliability Excellence Roadmap**: Learn the key stages involved in transforming from a Reactive/ Preventative maintenance to a high performing Reliability one.
- **Maintenance Management system landscape**: Understand the evolving role of Computerised Maintenance Management Systems (CMMS) and Enterprise Asset Management System (EAM) platforms.
- **Digital Maintenance Ecosystems**: Explore how digital technologies – iOT sensors, digital twins, AI and machine learning drive early fault detection, data-driver decision-making and smarter scheduling
- **Hands-on Demonstrators**: Experience Maintenance 4.0 through guided demonstrations showing Industry 4.0 technologies (IIoT, Additive Manufacturing, AR-VR, Machine Vision, Robotics) at the service of reliability.
- **Embedding Reliability Culture**: Identify the critical success factors for building & sustaining a reliability culture

- **Reliability Implementation Plan**: Learn how to develop a comprehensive action plan using framework, delivering reasonable return on investment

Total Course Load: Full day, in-person workshop

Ideally suited to*:* Industry professionals in senior, middle management, and front-line leadership roles. Business owners/MD's, GM's, Ops Managers, Production & Maintenance Managers, Innovation/CI/Digital Transformation Managers, Production/Quality supervisors, and team leaders from various manufacturing and processing industries, including Food & Beverage, Agribusiness, Defence, FMCG, etc

Class schedule

Round 4 – From February 2027
Location: Swinburne University of Technology, Hawthorn campus
Hours: 8.30am - 4.30pm (Includes morning/afternoon tea, and lunch)

What skills will I develop?

Workshop participants' learning outcomes will include:

- Understand what 'good' reliability looks like and identify gaps
- Determine what are the most relevant maintenance measures and metrics to be used
- Discuss opportunities around the latest technology and its application in their teams
- Complete an assessment of current/future maintenance digital solutions
- Present their business an implementation plan
- Get an understanding of how automating routine maintenance tasked can free up time to focus on deeper diagnostics and strategic decision making
- Strengthen your ability to lead and champion reliability transformations

Soft Skills: Strategic and critical thinking, problem solving, confidence building, self-awareness and reflection, collaboration and networking.

What current/emerging software & technology will be used in this workshop?

Participants will engage with various Industry 4.0 demonstrators including AI enabled condition monitoring systems, CMMS/EAM platforms and various other digital AI/Gen-AI tools.

Who will teach me?

Delivered jointly by seasoned manufacturing industry professionals at Swinburne's Factory of the Future in Partnership with Simon Murray. Simon has been leading, training & coaching high-performance maintenance and reliability teams for more than 25 years. His practical approach & passion for helping organisations has taken him around the world – training & mentoring teams to take their maintenance & reliability thinking to the next level.

Link:	https://www.swinburne.edu.au/research/platforms-initiatives/factory-of-the-future/
Contact details	Vikram Sachdeva, Swinburne's Factory of the Future, 0407 423 538 industry4hub@swin.edu.au

23. Emerging Technologies in Construction

Leadership workshop – One day (in person)

The Emerging Technologies in Construction workshop is a 1-day (8-hour: 6 hours face-to-face + 2 hours self-directed) face-to-face program designed to equip construction leaders, supervisors, and project managers with the knowledge, mindset, and confidence to lead digital transformation across construction sites and project teams.

The workshop highlights the rapid transition from traditional construction techniques to Modern Methods of Construction (MMC), driven by the adoption of digital technologies across the Australian construction sector. Participants explore a wide range of emerging digital tools that are reshaping design, engineering, planning, and on-site monitoring. These tools—now becoming standard practice—enable greater efficiency, accuracy, sustainability, and safety on construction sites.

The workshop also addresses emerging trends in construction management, with particular attention to Australia's unique climate, regulatory landscape, workforce challenges, and environmental risks. Leaders develop the capability to navigate digital transformation, manage risk, optimise resources, and guide teams through industry change.

RECOMMENDED DIGITAL SKILL LEVEL:



No pre-requisites or prior learning required – just bring your curiosity and have a basic level of digital literacy.

What will I study?

Subjects/Modules:

- **Industry Transformation & Modern Methods of Construction (MMC)** Transition from traditional methods to digital and modern construction practices.
- **Digital Technologies in Construction:** Overview of BIM, IoT, AI, drones, automation, and AR/VR.
- **Evolving Construction Workflows**: Digital workflows, lean and agile project delivery, and integrated project management approaches.
- **Risk, Safety & Compliance in a Digital Environment**: Emerging risks, cybersecurity, climate impacts, and innovation in safety.
- **Practical Technology Demonstrations**: Hands-on exposure to key digital tools and platforms used in modern construction.
- **Digital Leadership & Change Management**: Leading teams through digital transformation and building digital capability.
- **Strategic Planning for Digital Adoption**: Developing an action plan to integrate emerging technologies into workplace practices

Total Course Load: Full day, in-person workshop

Ideally suited to construction leaders, supervisors, and project managers, this workshop builds the knowledge, mindset and confidence needed to lead digital transformation across project teams and worksites.

Class schedule

Round 4 – From February 2027
Location: Holmesglen Institute, Chadstone campus
Hours: 9.00am - 4.00pm (Includes lunch)

What skills will I develop?

Learning outcomes

To equip construction leaders with the digital knowledge, tools, and leadership capabilities required to successfully transition from traditional construction practices to Modern Methods of Construction (MMC), and to confidently lead digital transformation initiatives that improve project efficiency, safety, resilience, and sustainability in the Australian construction industry. The training enables participants to:

- Understand the strategic shift toward Modern Methods of Construction (MMC) and the digital technologies that support offsite manufacturing, prefabrication, modular construction, and data-driven construction engineering.
- Develop foundational technical literacy in BIM, IoT, AI, machine learning, digital twins, drones, AR/VR, and digital site monitoring tools that are becoming standard practice in the sector.
- Strengthen leadership and change-management skills to support digital adoption within project teams and across workflows.
- Improve decision-making and project delivery through the use of digital workflows, lean construction principles, agile delivery, and integrated project delivery (IPD).
- Enhance organisational safety, compliance, sustainability, and resilience through the integration of smart construction technologies, data management strategies, and cybersecurity awareness.

What current/emerging technology will be used in the delivery of this workshop?

Brightspace LMS: A cloud-based learning management system used to host all course materials, assessments, and learning resources. It facilitates flexible access to asynchronous content, supports discussion forums, and provides real-time progress tracking.

Webex: To enable guest speaker integration and collaborative activities.

Who will teach me?

This master class is led by experienced trainers, with extensive industry experience, who work across technology, consulting, and digital transformation, combining strategic insight with hands-on expertise in digital tools for project management.

Link:	Holmesglen.edu.au
Contact details	Faculty of Higher Education and Applied Research E: Higher.Education@holmesglen.edu.au P: (03) 9564 1741

Further study options include: Holmesglen offers a range of business management qualifications with a strong emphasis on digital skills and tools to support modern workplace needs - https://www.holmesglen.edu.au/

25. Industrial AI enabled Digital Manufacturing for Leaders

Geelong Regional Workshop

Leadership workshop – One day (in person)

An immersive, hands-on leadership workshop exploring how Industrial Artificial Intelligence (AI) operates as the intelligence layer of Industry 4.0. AI is no longer a future concept for manufacturing – it is already being deployed across Australian factories, improving safety, quality, productivity, and decision-making. This one-day leadership workshop brings together AI fundamentals with core Industry 4.0 technologies to help manufacturing leaders understand how data, connectivity, automation and intelligence are increasingly working together, regardless of the starting point.

Designed for leaders seeking clarity rather than hype, the workshop explains how Industrial AI and Industry 4.0 are converging, and how leadership intent is shaping their use toward more human-centric, sustainable, and resilient manufacturing outcomes, often referred to as Industry 5.0. Participants explore real-world applications such as predictive maintenance, machine vision for defect detection, activity recognition for safety, asset tracking, wearables, knowledge capture and management, and emerging Agentic AI. This is delivered through hands-on demonstrators showing how AI integrates with familiar Industry 4.0 technologies (IIoT, Robotics, 3D printing, AR/VR).

This workshop takes a holistic, systems-level approach, helping leaders understand not only what AI and other technology can do, but how they can be applied in ways that fit existing manufacturing processes, assets, workforce capabilities and business realities.

RECOMMENDED DIGITAL SKILL LEVEL:



No pre-requisites or prior learning required – just bring your curiosity and have a basic level of digital literacy.

What will I study?

Subjects/Modules:

- **Simple Explanations**: Understand the core concepts of Industrial AI & Industry 4.0 in easy-to-follow terms
- **Real-World Applications**: Showing how digital technologies can enhance manufacturing outcomes like improved safety, quality and productivity
- **Hands-On interactive Experiences**: Explore digital technologies through guided demonstrations that reinforce your understanding
- **Expert Guidance**: Industry professionals, leaders and experts will share their knowledge, experience and insights on how to progress on your digital transformation journey
- **Manufacturing Insights**: Of digital technologies and their applications from multiple manufacturing examples and use cases

Total Course Load: Full day, in-person workshop
Ideally suited to*:* Industry professionals in senior, middle management, and front-line leadership roles. Business owners/MD's, GM's, Ops Managers, Production & Maintenance Managers, Innovation/CI/Digital Transformation Managers, Production/Quality supervisors, and team leaders from various manufacturing and processing industries, including Food & Beverage, Agribusiness, Defence, FMCG, etc

Class schedule

Round 4, from February 2027
Location: Geelong
Hours: 8.30am - 4.30pm (Includes morning/afternoon tea, and lunch)

What skills will I develop?

Workshop participants learning outcomes will include:

- Increased confidence: Gaining a foundation or enhanced existing knowledge of Industrial AI, Industry 4.) and its applications
- Increased familiarity and understanding of Industry 5.0 concepts (core principles, terminology, benefits)
- See Real Benefits: Discover how digital technologies can benefit and enhance manufacturing operations
- Access to experts: Discuss current challenges for a business case or technology implementation
- Network with peers: Connect with other manufacturers and industry professionals and share experiences
- Take the next step: Leave with actionable insights to begin your digital transformation journey in your business

Soft Skills: Digital literacy, strategic and critical thinking, problem solving, confidence building, self-awareness and reflection, collaboration and networking

What current/emerging technology will be used in the delivery of this workshop?

Participants have the opportunity to engage with hands-on demonstrations showing how AI-enabled Industry 4.0 systems support outcomes commonly associated with Industry 5.0, including predictive maintenance, machine vision, wearables, energy monitoring, analytical, generative & agentic AI.

Who will teach me?

Delivered by a mix of seasoned manufacturing industry professionals, academics, and industry/technology partners. Each has extensive working experience in advanced manufacturing and/or implementing Industry 4.0 technologies in the manufacturing sector and typically hold a Masters or higher qualification in an engineering discipline. Industry partners may be invited to deliver practical hands-on sessions of the workshop.

Link:	https://www.swinburne.edu.au/research/platforms-initiatives/factory-of-the-future/
Contact details	Vikram Sachdeva, Swinburne's Factory of the Future, T: +61 407 423 538 E: industry4hub@swin.edu.au

Further study options:
Enrol in our 6-week training course: AI/ ML foundational skills for Engineering Applications.
Explore Industry 4.0 and digital technologies via our 6-week training course: De-mystifying AI enabled Digital Manufacturing (Industry 4.0) for Leaders .

28. Enterprise Resource Planning in Practice: Connecting Business Processes, Systems & Decision-Making NEW

Leadership workshop – One day (in person)

Enterprise Resource Planning (ERP) systems play a critical role in helping organisations improve visibility, coordination, efficiency and decision-making across their operations. Whether your business is considering an ERP solution for the first time or looking to maximise the value of an existing system, understanding how ERP supports integrated business processes is essential.

This practical and hands-on workshop explores how ERP systems connect key business functions, support information flow, and provide a single source of truth for operational and business decision-making. Participants will learn how ERP solutions can help address common business challenges such as managing supply chains, coordinating projects and resources, maintaining accurate inventory and purchasing records, improving reporting, and supporting cross-functional collaboration.

Using engaging presentations, practical demonstrations and simulation-based learning, participants will develop an understanding of ERP fundamentals, business process integration, system integration considerations, ERP implementation success factors, analytics and reporting capabilities, and emerging AI-enabled ERP functionality. The workshop also provides an overview of the ERP landscape and an introduction to the key considerations involved in evaluating, implementing and adopting ERP solutions within real-world business environments.

RECOMMENDED DIGITAL SKILL LEVEL:



No pre-requisites or prior learning required – just bring your curiosity and have a basic level of digital literacy.

What will I study?

Subjects/Modules:

- **ERP Fundamentals and Business Process Integration:** Understand the core concepts of Enterprise Resource Planning and how ERP systems connect key business functions such as sales, procurement, inventory, operations, finance, project management and reporting.
- **Business Process Simulation Activity**: Explore how information, workflows and decision-making occur across an organisation before digital automation, helping participants understand the foundations of ERP-enabled business operations.
- **ERP Systems in Practice**: Examine how modern ERP platforms support operational visibility, workflow coordination, process standardisation and cross-functional collaboration across manufacturing, construction and project-based environments.
- **ERP Selection, Integration and Implementation:** Explore the ERP landscape and key considerations for selecting, integrating and implementing ERP solutions, including business requirements, organisational readiness and system connectivity.
- **Simulation-Based ERP Experience:** Participate in a guided business simulation to experience how decisions across sales, production, procurement and inventory affect financial outcomes and overall business performance.

- **ERP Analytics and Emerging AI Capabilities:** Explore how ERP data supports reporting, dashboards, forecasting and performance monitoring, and how emerging AI-enabled capabilities can enhance insights, decision-making and operational performance.
- **ERP Adoption Do's and Don'ts**: Identify common challenges, risks and success factors associated with ERP implementation and adoption, including change management, data quality, governance, process readiness and user engagement.

Total Course Load: Full day, in-person workshop
Ideally suited to*:* Industry professionals in senior, middle management and frontline leadership roles who are seeking to evaluate, implement or gain greater value from ERP systems. This includes business owners/MDs, general managers, operations managers, production managers, construction managers, project managers, procurement and supply chain managers, finance managers, business analysts, digital transformation managers and team leaders from manufacturing, construction and project-based industries.

Class schedule

Round 4 – From February 2027
Location: Swinburne University of Technology, Hawthorn campus
Hours: 8.30am - 4.30pm (Doors open 8am. Includes morning/afternoon tea, and lunch)

What skills will I develop?

Workshop participants' learning outcomes will include:

- A practical understanding of how ERP systems support integrated operations, operational visibility and cross-functional coordination
- Greater awareness of how business processes, information flows and organisational decisions interact
- Confidence in evaluating ERP opportunities, implementation considerations and value-realisation strategies
- Awareness of common ERP implementation risks, success factors and adoption challenges
- An understanding of ERP analytics, reporting and data-driven decision-making
- Awareness of emerging AI-enabled ERP capabilities

What current and emerging software and technology will be used in the delivery of this course or workshop?

Participants will have the opportunity to engage with enterprise resource planning simulation activities and practical ERP demonstration environments. The workshop will showcase how ERP systems support integrated business processes across sales, procurement, inventory, production, finance, and reporting.

Who will teach me?

Delivered by a mix of experienced academics, industry professionals, and technology specialists with expertise in enterprise systems, business process management, digital transformation, and analytics. Trainers will bring practical experience in helping organisations understand, adopt, and use ERP-enabled processes to improve coordination, visibility, and decision-making.

Link:	https://www.swinburne.edu.au/research/platforms-initiatives/factory-of-the-future/
Contact details	Vikram Sachdeva, Swinburne's Factory of the Future, T: +61 407 423 538 E: industry4hub@swin.edu.au

9. AI and Machine Learning

Specialist Digital Skills: Online 6-week course

Co-created with industry, this 6-week course provides engineering professionals with the foundational knowledge and practical skills needed to design, develop and implement Artificial Intelligence (AI) and Machine Learning (ML) techniques to solve complex engineering problems. Delivered on-line over six weeks, the course combines interactive sessions, guided assignments, and hands-on practice using Python-based tools. Participants will explore ML and Deep Learning (DL) fundamentals, use data from real-world use cases (manufacturing, agrifood, transportation, etc), AI algorithm design, and the responsible use of AI in engineering contexts. By the end of the 6 week course, participants will be able to confidently design, evaluate, and apply AI/ML techniques to engineering problems while understanding their ethical and practical implications.

RECOMMENDED DIGITAL SKILL LEVEL:



Recommended to have basic Python programming knowledge. Participants are expected to use their own computer/workstation with good/stable internet connectivity.

What will I study?

Subjects/Modules:

- **Simple Explanations**: Understand AI, ML, and DL fundamentals with practical engineering examples.
- **Real-World Applications**: Apply AI/ML methods to solve multidisciplinary engineering problems
- **Hands-On Experiences**: Object detection and ML model development using Python libraries
- **Algorithm Design**: Learn how to prepare data, train AI models, and evaluate their performance.
- **Future Perspectives**: Explore emerging trends in AI for intelligent engineering systems.
- **Responsible AI**: Gain awareness of ethics, transparency, bias, and safety for AI-enabled solutions.
- **Expert Guidance**: from staff and practitioners with extensive experience in AI/ML applications.

Total Course Load: 6 weeks, 1 x 3 hours session per week + 2 hours per week of preparation/assignments
Total hours: 18 contact hours (plus 12 hours non-contact)
Course delivery mode: On-line virtual sessions (Via Zoom or similar).

Ideally suited to: Engineering professionals and technical specialists in manufacturing and processing industries who want to learn AI/ML foundations, develop and apply AI/ML techniques for engineering applications and stay competitive in the future of intelligent engineering systems.

Assessments

Participants must complete one technical assignment in machine learning or deep learning, covering data preparation, training, and evaluation. A rubric will guide the requirements, and a 'Complete' grade is awarded when all criteria are met. A certificate of completion will be issued based on participants meeting satisfactory requirements for attendance and assignment work.

Class schedule

Round 4 – From February 2027
This is a 6 week course with online sessions of 3 hours each week.

What skills will I develop?

Workshop participants will:

- Gain confidence: Build strong AI/ML foundations with practical engineering focus.
- Be future-ready: Understand emerging AI applications and responsible innovation in engineering.
- Design and implement: ML algorithms to address engineering problems.
- Demonstrate knowledge: working of core AI/ML/DL methods and tools.
- Evaluate and justify: the use of AI/ML approaches in engineering applications.
- See real benefits: Apply ML/DL methods to real-world engineering datasets.
- Access expertise: Learn from PhD-qualified academics, researchers, and industry speakers.

Soft Skills: Communication and collaboration, digital literacy, problem-solving and critical thinking, tackling unfamiliar problems, adaptability and continuous learning.

What current and emerging software and technology will be used in the delivery of this course or workshop?

Participants will use Google Colab or JupyterHub to run Python code without local installation, and use Python libraries such as Scikit-learn, PyTorch, and YOLO for object detection and ML model development.

Who will teach me?

Developed and delivered by a team of academics (PhD-qualified), research assistants (Master's/PhD candidates), and invited industry practitioners with hands-on experience in implementing AI/ML across engineering sectors.

Link:	https://www.swinburne.edu.au/research/platforms-initiatives/factory-of-the-future/
Contact details	Vikram Sachdeva, Swinburne's Factory of the Future, T: +61 407 423 538 E: industry4hub@swin.edu.au

Further study options: Learn more about how AI/ML can help the design and development of Digital Twins in our De-mystifying Digital Twins in Manufacturing course.

10. Computer Aided Design and Computer Aided Manufacturing (CAD/CAM)

Specialist Digital Skills: Onsite 6-week course

In this 6-week course you will build practical skills in 2D and 3D CAD (aligned with AS1100 standards), and gain experience in CAM processes including 3D printing, 3D scanning with reverse engineering and metrology, laser cutting, and CNC machining. Explore emerging technologies such as Augmented Reality, AI-driven generative design, topology optimization, 3D concrete printing and Digital Twin.

Beyond technical expertise, the course strengthens problem-solving, change management, and lifelong learning strategies—essential skills for thriving in fast-evolving digital environments. Perfect for professionals seeking to upskill, reskill, or stay ahead in the era of Industry 4.0 (fourth industrial revolution).

RECOMMENDED DIGITAL SKILL LEVEL:



Basic digital literacy is required, including basic computer skills, with some engineering design knowledge.

What will I study?

Subjects/Modules:

- CAD and an introduction to CAM and application in workplace environment Identify CAD and CAM equipment and software being used.
- Assess CAD system through creation of 2D engineering drawings and 3D models with projects.
- Assess CAM system through creation of 3D code files.
- Component production using 3D CAM code files (Laser cutting, 3D Printing).
- 3D Scanning and Reverse Engineering.
- Augmented Reality in Engineering Design
- An introduction to Digital Twin.

Total Course Load

- 3 hours a week (face to face) + online activities.
- Total 6 weeks

Course delivery mode

Face to face classes available at Swinburne University of Technology, Hawthorn campus

Assessments

Form: Projects
Weighting: 100%

Learners that submit the project but do not demonstrate mastery in ALL rubric criteria are provided with feedback and the opportunity to re-submit their project one additional time. To build up to the project assessment, learners complete several scaffolded activities and milestones over weeks 1 to 6. The outcomes of each milestone contribute to the development of the final project, where learners can apply their knowledge.

Class schedule

Round 4 – From February 2027. Please note this course is **on site with face-to-face classes** and online activities, one day per week 5.30-8.30 pm (Monday)

Week 1: Monday 9 November 2026
Week 2: Monday 16 November 2026
Week 3: Monday 23 November 2026
Week 4: Monday 30 November 2026
Week 5: Monday 7 December 2026
Week 6: Monday 14 December 2026

What skills will I develop?

Learners who successfully complete this course will be able to:
1. Identify CAD/CAM technologies in current industry and its application (Week 1)
2. Skill development in CAD/CAM software's (SolidWorks/NX, Creo P) (Week 1-3)
3. Applications of CAD/CAM with Projects and practical work (Week 4)
4. 3D Scanning, Reverse Engineering and metrology (Week 5)
5. Augmented reality in Engineering Design and Digital Twin (Week 6)

What current and emerging software and technology will be used in the delivery of this course or workshop?

SolidWorks/NX, Creo Parametric, Vuforia Studio

Who will teach me?

TEACHER/TRAINER
Dr Abul Saifullah

- Dual Diploma of Vocational Education and Training and Diploma of Training Design & Development
- Certificate IV in Training and Assessment
- PhD In Advanced Manufacturing (CAD/CAM/CAE/Additive Manufacturing)

Dr Benjamin Chan

- PhD In in Mechanical Engineering
- Certificate IV in Training and Assessment
- Diploma of Vocational Education and Training Practice

Link:	https://www.swinburne.edu.au/
Contact details	digitalskillsprogram@swin.edu.au

Further study options include: When taken in combination with other specific Future Skills short courses, this course is eligible for credit into certain Swinburne Diploma/degree programs, subject to entry requirements.

11. De-mystifying AI enabled Digital Manufacturing (Industry 4.0) for Leaders

Specialist Digital Skills: 6-week course

Digital technologies – and increasingly AI – are reshaping how manufacturing businesses operate, make decisions, and improve performance. Understanding where these technologies apply (and where they don't) is becoming essential across a wide range of roles in manufacturing.

Developed with industry, this six-week course provides a practical introduction to AI enabled Industry 4.0. Through real-world examples, interactive sessions, and an optional in-person hands-on experience, participants will learn how these technologies are used in practice and what is required to apply them effectively.

Participants will explore Industry 4.0 technologies such as IIoT, digital twins, robotics, additive manufacturing, AR/VR and how AI is enabling predictive, analytical, generative, and emerging agent-based approaches for AI-enabled Industry 4.0. The course helps participants gain insight into how these technologies support improvements in safety, quality, productivity, and operational performance, and helps to identify opportunities, understand key requirements, and make more informed decisions about technology adoption.

RECOMMENDED DIGITAL SKILL LEVEL:



No pre-requisites or prior learning required – just bring a growth mindset and have a basic level of digital literacy.

What will I study?

Subjects/Modules:

- **Industry 4.0 Foundations (How it all connects)**: Understand Industry 4.0 principles and technologies in easy-to-follow terms.
- **AI in Manufacturing (What's being used):** Understand various types of AI and where they are applied in manufacturing environments.
- **Lean + Digital**: Explore how digital technologies boost continuous improvement & operational performance.
- **Real-World Applications**: Practical examples of AI-enabled Industry 4.0 across safety, quality, productivity and maintenance.
- **Hands-On Experiences (optional)**: Get direct exposure to key Industry 4.0 and AI technologies in a live lab environment.
- **Making Better Decisions with AI and Industry 4.0 Technology:** Learn how to assess opportunities, understand limitations, and avoid common pitfalls when adopting AI and digital tools.

Total Course Load: 5 weeks, 1 x 3 hour session per week + 2 hours per week of preparation/assignments
Total hours: 15 contact hours (plus 10 hours non-contact)
Course delivery mode: 5 weeks, online virtual sessions (Via Zoom or similar)
Optional in-person day: One-day 8-hour event held at Swinburne's Factory of the Future, Hawthorn campus.

Ideally suited to: Industry professionals in senior, middle management, and front-line leadership roles. Business owners/MDs, GM, Ops Managers, Production, Quality & Maintenance Managers, Innovation/CI/Digital

Transformation Managers, Production/Quality supervisors, and team leaders from various manufacturing and processing industries, including Food & Beverage, Agribusiness, Defence, FMCG, etc.

Assessments

Participants must submit two short reflections (1–2 pages) outlining solutions to workplace challenges and how Digital/Industry 4.0 technologies & AI could address them. Assessments encourage real-world application, with a rubric provided to guide requirements. A 'Complete' grade is awarded when all criteria are met. A certificate of completion will be issued based on participants meeting satisfactory requirements for attendance & assignment work.

Class schedule:

Round 4 – From February 2027

What skills will I develop?

Participants will:

- Increased familiarity with Industry 4.0 core principles & AI, technology and benefits
- Understand where AI and digital technologies are applicable in manufacturing
- Recognise the requirements, enablers, and limitations of AI and Industry 4.0 technologies
- Identify improvement opportunities relevant to their role or workplace
- Contribute more effectively to discussions on digital and AI initiatives
- Access knowledge from experienced manufacturing professionals and practitioners

Soft Skills Developed: Digital literacy, communication, collaboration, critical thinking, problem solving, confidence building, adaptability, and practical decision-making

What current and emerging software and technology will be used?

Participants will have the opportunity to engage with a range of technologies (particularly during the in-person experience), including vision systems, IIoT platforms, data analytics tools, machine learning, deep learning applications, generative AI, AR/VR, real-time location systems, wearables, and predictive maintenance systems.

Who will teach me?

Delivered by a mix of experienced manufacturing professionals, academics, and industry/technology partners. Facilitators bring extensive experience in advanced manufacturing and the practical application of Industry 4.0 and AI technologies and typically hold a Masters or higher qualification in an engineering discipline. Industry partners may be invited to deliver practical hands-on sessions of the workshop.

Link:	https://www.swinburne.edu.au/research/platforms-initiatives/factory-of-the-future/
Contact details	Vikram Sachdeva, Swinburne's Factory of the Future, 0407 423 538 industry4hub@swin.edu.au

12. Agile for Project Management

Specialist Digital Skills: Online 6-week course

Learn the key concepts, tools, and mindset of Agile to effectively plan, deliver, and measure successful projects for your team or organisation.

By the end of this 6-week course, you will have completed one final project demonstrating how to strategically plan and lead a team through an Agile project delivery. Upon completion, you will have the skills to effectively implement Agile methodologies as a project management tool into your team or workplace.

RECOMMENDED DIGITAL SKILL LEVEL:



Interested in the Agile for Project Management 6-week course? Watch the RMIT overview here.

What will I study?

Subjects/Modules:

- An Agile mindset to project management
- Plan a project
- Value-driven delivery
- Reporting and measures
- Maintenance and communication
- What's next?

Total Course Load

- 10-12 hours a week
- 1 contact hour per week

Course delivery mode

Mix of online platform interaction, pre-recorded and live content. Live weekly webinars are also recorded and viewable at later date.

Assessments

Form: Project assessment
Weighting: 100%

Learners that submit the project but do not demonstrate mastery in ALL rubric items are provided feedback and the opportunity to re-submit their project one additional time. To build up to the project assessment, learners complete several scaffolded activities and milestones over weeks 1 to 5. The outcomes of each milestone contribute to the development of the final project, where learners are able to apply their knowledge.

Upon successful completion of the 6-week Agile for Project Management course, you will receive a Credly badge.

Class schedule

Round 4 – From February 2027
This is a 6-week course with 1-hour live class per week + approximately 6-10 hours of self-paced learning per week. The time and day of the 1-hour live class will be determined at week 1 with the RMIT mentor on the Slack app by unanimous decision. There are also pre-recorded classes you can view at your own pace.

What skills will I develop?

Learners who successfully complete this course will be able to:

- Critically analyse Agile Project Management methodologies
- Critique and justify the use of Agile versus traditional project management methodologies in response to diverse industry scenarios
- Select and apply Agile project management methodologies to deliver effective project management planning
- Formulate Agile Project Management engagement strategies which effectively respond to the diverse needs of industry stakeholders

What current and emerging software and technology will be used in the delivery of this course or workshop?

Learning Management System: Canvas
Integrations with LMS (tools) are Zoom, Slack.
MS Suite

Who will teach me?

We have industry mentors such as Agile leaders working across enterprises in Technology, Consulting and Agile Delivery, with a unique blend of highly technical and business skills.

Link:	https://online.rmit.edu.au/
Contact details	Learner Success Team studentexperience@rmitonline.edu.au

Further study options include:

When taken in combination with other specific Future Skills short courses, this course MAY be eligible for credit or recognition of prior learning into certain RMIT degree programs, subject to entry requirements.

Please note if you enrol in an RMIT course, participants are expected to actively engage with the course content and successfully complete the required assessments. Non-attendance or failure to successfully complete course requirements may impact your business's eligibility for future Digital Jobs Program applications.

13. Business Analytics and Visualisation

Specialist Digital Skills: Online 6-week course

Learn the foundations of business analytics by familiarising yourself with Excel and tell compelling stories through data visualisation with Tableau.

Business analytics and visualisation utilises data to draw insights, helping inform a business' decisions with improved accuracy and efficiency. In today's era of customer-centricity, it's vital that organisations use data to drive unique and valuable products and experiences for their customers and set themselves apart from the competition.

RECOMMENDED DIGITAL SKILL LEVEL:



What will I study?

Subjects/Modules:

- Introduction to data analytics
- Using data in excel
- Data visualisation
- Data modelling in Tableau
- The data project lifecycle
- Final Project

Total Course Load

- 6 weeks online
- 10-12 hours a week
- 1 contact hour per week

Course delivery mode

Mix of online platform interaction, pre-recorded and live content. Live weekly webinars are also recorded and viewable at later date.

Assessments

Form: Project assessment
Weighting: 100%

Learners that submit the project but do not demonstrate mastery in ALL rubric items are provided feedback and the opportunity to re-submit their project one additional time. To build up to the project assessment, learners complete several scaffolded activities and milestones over weeks 1 to 5. The outcomes of each milestone contribute to the development of the final project, where learners are able to apply their knowledge.

Upon successful completion of the 6-week Data Analytics and Visualisation course, you will receive a Credly badge.

Class schedule

Round 4 – From February 2027
This is a 6-week course with 1-hour live class per week + approximately 6-10 hours of self-paced learning per week. The time and day of the 1-hour live class will be determined at week 1 with the RMIT mentor on the Slack app by unanimous decision. There are also pre-recorded classes you can view at your own pace.

What skills will I develop?

Learners who successfully complete this course will be able to:

- Interpret a data visualisation based on specific criteria
- Assess and implement advanced excel and tableau functions to create data visualisations
- Build a data visualisations storyboard in tableau to communicate business insights to stakeholders.

What current and emerging software and technology will be used in the delivery of this course or workshop?

Learning Management System: Canvas
Integrations with LMS (tools) are Zoom, Slack.
Tableau
Excel

Who will teach me?

TEACHER/TRAINER

We have mentors who are data professionals and analysts working across finance, consulting, and tech. They bring deep expertise in data storytelling, dashboarding, and business intelligence, helping learners turn complex data into actionable insights.

Link:	https://online.rmit.edu.au/
Contact details	Learner Success Team studentexperience@rmitonline.edu.au

Further study options include:

When taken in combination with other specific Future Skills short courses, this course is eligible for credit into certain RMIT degree programs, subject to entry requirements.

Please note if you enrol in an RMIT course, participants are expected to actively engage with the course content and successfully complete the required assessments. Non-attendance or failure to successfully complete course requirements may impact your business's eligibility for future Digital Jobs Program applications.

14. Digital Marketing Strategy

Specialist Digital Skills: Online 6-week course

Gain the knowledge and tools required to plan and execute a successful digital marketing strategy. From understanding the marketing mix to campaign objectives, learn how to generate awareness, increase acquisition, and drive engagement.

Learn the theory, then get hands-on identifying customer behaviour and segmentation, understanding SEO strategies and driving social-media campaigns. You'll learn how to amplify messages online, along with the grounding to set up your digital marketing strategy.

Throughout this 6-week course, you'll create an integrated marketing plan, gaining experience in identifying personas and product unique selling propositions (USPs), mapping the customer journey, developing campaign objectives, and creating a channel plan. You'll be supported by industry experts and mentors, as well as working with a dynamic community of learners from a range of careers and backgrounds.

RECOMMENDED DIGITAL SKILL LEVEL:



What will I study?

Subjects/Modules:

- What is your message and who is your customer?
- Marketing Information System (MIS) and the unique selling propositions (USPs)
- Content, the customer journey and campaign objectives
- Digital Channels
- Digital planning framework

Total Course Load

- 6 weeks online
- 10-12 hours a week
- 1 contact hour per week

Course delivery mode

Mix of online platform interaction, pre-recorded and live content. Live weekly webinars are also recorded and viewable at later date.

Assessments

Form: Project assessment
Weighting: 100%

Learners that submit the project but do not demonstrate mastery in ALL rubric items are provided feedback and the opportunity to re-submit their project one additional time. To build up to the project assessment, learners complete several scaffolded activities and milestones over weeks 1 to 5. The outcomes of each milestone contribute to the development of the final project, where learners are able to apply their knowledge.

Upon successful completion of the 6-week Digital Marketing Strategy course, you will receive a Credly badge.

Class schedule

Round 4 – From February 2027
This is a 6-week course with 1-hour live class per week + approximately 6-10 hours of self-paced learning per week. The time and day of the 1-hour live class will be determined at week 1 with the RMIT mentor on the Slack app by unanimous decision. There are also pre-recorded classes you can view at your own pace.

What skills will I develop?

Learners who successfully complete this course will be able to:

- Create a multi-channel marketing strategy and an audience development plan, supported by audience, product, context and market analysis
- Create an audience development plan by identifying the key marketing platforms, success metrics and optimisation actions

What current and emerging software and technology will be used in the delivery of this course or workshop?

Learning Management System: Canvas
Integrations with LMS (tools) are Zoom, Slack.

Who will teach me?

Our mentors are digital marketing professionals with experience across global agencies, tech startups, and enterprise brands. They bring a strategic lens to performance marketing, content, and data-driven campaigns, blending creativity with commercial acumen.

Link:	https://online.rmit.edu.au/
Contact details	Learner Success Team studentexperience@rmitonline.edu.au

Further study options include:

When taken in combination with other specific Future Skills short courses, this course MAY be eligible for credit or recognition of prior learning into certain RMIT degree programs, subject to entry requirements.

Please note if you enrol in an RMIT course, participants are expected to actively engage with the course content and successfully complete the required assessments. Non-attendance or failure to successfully complete course requirements may impact your business's eligibility for future Digital Jobs Program applications.

15. Project Management for Professionals

Specialist Digital Skills: Online 6-week course

Manage complex projects and evolving systems of work by developing essential project management and human skills that will enable you to confidently motivate, communicate, and deliver business outcomes.

With the opportunity to bring your own project, you can directly apply your skillset into a final professional or personal project that will showcase your knowledge to potential and existing employers. In the context of a current-day complex environment, this course delivers people skills plus technical capability.

RECOMMENDED DIGITAL SKILL LEVEL:



What will I study?

Subjects/Modules:

- Evolving project management methods and skills in complex and changing systems
- Effectively initiating and mobilising projects
- Communicating with and motivating stakeholders and project teams
- Running projects in a complex world
- Keeping projects on track
- Project governance and completion

Total Course Load

- 6 weeks online
- 10-12 hours a week
- 1 contact hour per week

Course delivery mode

Mix of online platform interaction, pre-recorded and live content. Live weekly webinars are also recorded and viewable at later date.

Assessments

Form: Project assessment
Weighting: 100%

Learners that submit the project but do not demonstrate mastery in ALL rubric items are provided feedback and the opportunity to re-submit their project one additional time. To build up to the project assessment, learners complete several scaffolded activities and milestones over weeks 1 to 5. The outcomes of each milestone contribute to the development of the final project, where learners are able to apply their knowledge.

Upon successful completion of the 6-week Project Management for Professionals course, you will receive a Credly badge.

Class schedule

Round 4 – From February 2027
This is a 6-week course with 1-hour live class per week + approximately 6-10 hours of self-paced learning per week. The time and day of the 1-hour live class will be determined at week 1 with the RMIT mentor on the Slack app by unanimous decision. There are also pre-recorded classes you can view at your own pace.

What skills will I develop?

Learners who successfully complete this course will be able to:

- Critically analyse the professional capabilities required to manage projects in complex and changing settings including motivation, communication and influencing, stakeholder management and conflict resolution.
- Apply fundamental project management techniques to a project, such as identifying key stakeholders, initiation, scope, budget, timeline, and quality and risk management.
- Present a report on the stages and business outcomes of a project to key stakeholders that justifies outputs and outcomes.

What current and emerging software and technology will be used in the delivery of this course or workshop?

Learning Management System: Canvas
Integrations with LMS (tools) are Zoom, Slack,
MS Suite
Monday

Who will teach me?

Our mentors are seasoned project managers and delivery leads from a myriad of industries. They bring practical experience in managing complex projects, stakeholder engagement, and agile and traditional methodologies.

Link:	https://online.rmit.edu.au/
Contact details	Learner Success Team studentexperience@rmitonline.edu.au

Further study options include:

When taken in combination with other specific Future Skills short courses, this course MAY be eligible for credit or recognition of prior learning into certain RMIT degree programs, subject to entry requirements.

Please note if you enrol in an RMIT course, participants are expected to actively engage with the course content and successfully complete the required assessments. Non-attendance or failure to successfully complete course requirements may impact your business's eligibility for future Digital Jobs Program applications.

18. Introduction to Computer Aided Design (CAD)

Training for trades on the tools – Full day workshop

This workshop is delivered over one full day and is designed for trade workers and beginners with little or no experience in AutoCAD. The curriculum introduces participants to the basic use of digital applications for creating and managing architectural drawings and project data. It focuses on understanding simple digital workflows, selecting the right tools for specific tasks, and applying standard architectural conventions to support project communication and documentation.

The workshop is face-to-face delivery for the session with practical, hands-on activities using AutoCAD software on campus. Participants will learn by doing, gaining confidence in using digital tools through guided exercises and real-world examples. The course also supports the development of essential soft skills, helping participants understand how digital processes fit into broader construction and design workflows.

RECOMMENDED DIGITAL SKILL LEVEL:



What will I study?

Subjects/Modules:

- Introduction to AutoCAD & Interface Navigation
- Basic Drawing Tools
- Editing Tools
- Object Properties & Layers
- Precision Tools
- Annotation & Text

Total Course Load

- Total 8 hours of face-to-face training

Course delivery mode

Face to face - Melbourne Polytechnic, Preston campus

Assessments

There are no assessments for this workshop

Class schedule

Round 4 – February 2027
Location: Melbourne Polytechnic, Preston campus
Hours: One-day workshop

What skills will I develop?

Learners who successfully complete this course will develop foundational skills in using AutoCAD software to create, manage, and understand digital architectural drawings and workflows, even with no prior experience.

Benefit to employers:

- Understanding CAD is foundational to participating in the future of industry
- Upskilling of entry level employees utilising the emerging software and technology.
- Opens pathways into engineering, drafting, design, construction management, advanced manufacturing
- Understanding CAD helps professionals connect design directly to fabrication and construction processes.

Who will teach me?

TEACHER/TRAINER – All our trainers are involved in the architectural design industry, either as a Building designer/construction or an Architect. They have current industry knowledge and teaching qualifications, have been over 5+ years in industry with a high level of digital capability and good communication skills.

Link:	Melbourne Polytechnic | INSTITUTE and Degrees Melbourne |
Contact details	1300 635 276

Further study options include:

Certificate IV in Building and Construction CPC40120
Diploma of Building and Construction (Building) CPC50220
Diploma of Engineering Technology 22699VIC
Advanced diploma of building design (architectural) 22627VIC

19. Practical AI Tools: Save Time, Improve Marketing and Automate Business Tasks

Training for trades on the tools - half day workshop

The AI-Powered Trades and businesses 4-hour intensive training is designed for tradespeople (e.g., plumbers, electricians, carpenters) and small business owners in trade-related industries who are new to AI.

Participants will be introduced to AI fundamentals and demonstrations of practical applications to streamline operations, enhance customer engagement, improve job quoting, and optimise business management.

Participants will engage with beginner-friendly AI tools through hands-on activities and learn actionable strategies to integrate AI into their trade businesses.

RECOMMENDED DIGITAL SKILL LEVEL:



What will I study?

Subjects/Modules:

- Introduction to AI for Trades and Small Businesses
- Prompt Engineering for Better Results
- Creating Presentations and Pitch Desks
- Developing Client Briefs and Site Inductions
- Business Action Plans for marketing and competition
- Building a Basic Automated Website

Total Course Load

4 hours (**Half-day intensive short course**)

Course delivery mode

Face-to-face delivery at Holmesglen's Chadstone campus - Training Cybersecurity Operations Centre (TSOC)

Assessments

To measure understanding and ensure competency, the following evaluation methods will be used:

1. Quizzes – Short assessments at the end of each module to reinforce learning.
2. Practical Task: Learners will be required to identify common threats to small business enterprises, recommend security best practices to safeguard sensitive data & secure networks, & develop business policies within a simulated environment.
3. Final Q&A & Knowledge Review - allowing participants to clarify concepts and reinforce key takeaways.

Class schedule

Round 4 – From February 2027
Location: Holmesglen Training Cybersecurity Operations Centre (TSOC), Chadstone campus
Hours: 4 hours (Half-day intensive short course)

What skills will I develop?

By the end of the course, participants will:

- Understand AI basics and its applications for trade businesses
- Use AI tools to enhance customer engagement
- Streamline job management with AI
- Improve operational efficiency using AI.

What current and emerging software and technology will be used in the delivery of this course or workshop?

Brightspace LMS: A cloud-based learning management system used to host all course materials, assessments, and learning resources. It facilitates flexible access to asynchronous content, supports discussion forums, and provides real-time progress tracking.

Webex: To enable guest speaker integration and collaborative activities.

Program-Specific Tool Integration
The courses expose learners to a range of industry-standard platforms and vendor technologies

Minimum System Requirements for Participants
Workshops will be delivered at the Holmesglen Chadstone campus, and where necessary in computer labs. Computers will be provided for participants.

Optimisation of Technology for Course Delivery:

- Courses are structured to maximise interaction, reflection, and real-world application through:
- Scenario-based activities and case simulations
- Live demos of platforms and software
- Embedded generative AI activities, focused on responsible and ethical usage
- Real-time feedback and interactive polling via Webex or Brightspace integrations

Who will teach me?

At Holmesglen we have dedicated cyber security industry trainers who work across enterprises in Technology, Consulting and Cyber Security, with a unique blend of highly technical and business skills.

Link:	Holmesglen Institute https://www.holmesglen.edu.au/explore-courses/computing-and-it
Contact details	Computing and Information Technology (CAIT) E: IT@holmesglen.edu.au P: (03) 9564 1603

Further study options include:

Holmesglen has a number of Information technology qualifications and industry skills set and certifications.https://www.holmesglen.edu.au/explore-courses/computing-and-it

20. Building Information Modelling (Revit)

Training for trades on the tools – Full day workshop

This workshop is delivered over one full day and is designed for designers who use digital applications to produce drawings and data for architectural projects. You will learn how to choose appropriate digital tools, follow architectural standards, and manage BIM project data effectively. The course combines face-to-face explanation, demonstration, and practical, hands-on activities using BIM software.

RECOMMENDED DIGITAL SKILL LEVEL:



What will I study?

In this course, you'll learn how to:

- Use BIM software (Revit) to create and modify building models.
- Apply measurements and calculations to support accurate data input and workflows.
- Produce clear, accurate project documentation using correct architectural conventions.
- Organise and manage project information within a BIM environment.

You'll see live demonstrations and then practise the skills yourself using BIM software in a supported, step-by-step environment.

Subjects/Modules:

In the workshop, you will cover:

- Intro to Revit & BIM basics
- Working with a sample Revit project
- Basic building – slab & walls
- Windows & doors
- Basic building – roof
- Annotation and text

Total Course Load

- Total 8 hours of face-to-face training

Course delivery mode

Face to face at Melbourne Polytechnic, Preston campus

Assessments

There are no assessments for this workshop

Class schedule

Round 4 – from February 2027.
Location: Melbourne Polytechnic, Preston campus
Hours: Full day workshop delivered face-to-face

- Trainer-led demonstrations
- Guided, hands-on Revit activities on campus computers
- Time for questions, troubleshooting, and individual support

What skills will I develop?

Learners who successfully complete this course will explore the benefits of using BIM software to create, manage, and understand digital architectural drawings and workflows, even with no prior experience.

Benefit to employers:

- Awareness of BIM being instrumental to participating in the future of industry
- Upskilling of entry level employees utilising the emerging software and technology.
- Opens pathways into engineering, drafting, design, construction management, advanced manufacturing
- Understanding BIM helps professionals connect design directly to fabrication and construction processes.

Who will teach me?

TEACHER/TRAINER – All our trainers are involved in the architectural design industry, either as a Building designer/construction or an Architect. They have current industry knowledge and teaching qualifications, have been over 5+ years in industry with a high level of digital capability and good communication skills.

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Contact details	1300 635 276