

Skillsfuture for Digital Workplace 2.0 (Manufacturing Sector)



COURSE DURATION

15 Hrs



COURSE REFERENCE NO.

TGS-2023037502



MODE OF TRAINING

Classroom



FUNDING VALIDITY

Till 30 Jun 2025

This course is targeted at those in the manufacturing sector. Learners will learn about key technological advances that are impacting or will impact the sector. There will be interactive experiences for learners to engage with technologies, such as Generative AI, 3D printing, Virtual Reality (using goggles), and mobile app usage. Learners will be introduced to security risks associated with using emerging technologies and how to mitigate those risks.

Learners will be able to apply Generative AI tools such as Copilot and Gemini to streamline tasks, analyse data in Excel and create intelligent and novel content in Word and PowerPoint.

Learners will also be able to apply analytics to gain business insights, use automation to enhance productivity, and understand security risks associated with using emerging technologies and how to mitigate those risk

Course Objectives

By the end of this course, learners will be able to:

- State the jobs and digital skills required in the current and future digital economy
- Acquire Basic Concepts of Generative AI, its risk and the know-how of prompts
- Describe the work requirements in a technology-rich environment and know the associated cybersecurity risks
- Identify various digital applications and tools in work applications, including widely applicable national and sectoral platforms
- Suggest how data and information can be used
- Perform functional outcomes such as the use of digital tools, including Generative AI, and software to access various learning paths and content
- Develop a post-course action plan to continue learning (i.e., to identify courses that would allow participants to further deepen their skills in the four key areas)

FULL FEE

\$500

(Subject to 9% GST)

NETT FEE AFTER FUNDING

\$63.50

SME OR Singaporean age 40 and above (Subject to 9% GST)

90% Course Fee Funded

\$163.50

Non-SME OR Singaporean age 21 to 39 OR Singapore PR

(Subject to 9% GST)

70% Course Fee Funded

Subsidies Available
Individual

SkillsFuture Credit
UTAP



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Course Content

In-demand Digital Tools

- Introduction to SFDW and digital skills and jobs awareness in the current and future digital economy
- The world of Industry 4.0, extended reality and additive manufacturing
- Basic concepts of Generative Artificial Intelligence
- Identify risks associate with and responsible use of Generative AI
- How to design prompt
- Generative Artificial Intelligence Sandbox initiative by Infocomm Media Development Authority (IMDA)
- Hands-on practice of Generative AI such as Gemini and Copilot in areas such as generating response to customer queries or complaints, create course outlines, etc
- Autonomous Robots and Internet of Things and their impact across sectors
- Nationally launched applications
- Develop a learning plan to take ownership of own skills upgrading

Cybersecurity Risk

- Introduction to Cybersecurity Risk
- Areas of cybersecurity risk and its implication and effect to the individual and organization
- How to mitigate cybersecurity risks? (physical, software, policy and regulatory)

Automation

- Introduction to Automation
- Types of automation tools such as Robotic Process Automation (RPA)

Data Analytics

- Introduction to Data Analytics
- Data visualisation tools



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