

Specification of Competency Standards
for the Manufacturing Technology.
Unit of Competency.

Functional Area - Product Design and Development

Title	Manage product development knowledge and continuously improve product design quality and efficiency
Code	106582L6
Range	This unit of competency is applicable to the product design and development departments, process design and development departments / engineering departments, and product manufacturing departments / production departments of enterprises in the manufacturing technology industry. Practitioners should be capable to familiar with product development knowledge management and can apply product development knowledge management techniques to continuously optimise product design
Level	6
Credit	3
Competency	Performance Requirements - Understand relevant knowledge of product development management - Be familiar with the various product manufacturing processes and related manufacturing technologies within the enterprise - Be familiar with enterprise business development strategies - In-depth understanding of knowledge management concepts and principles - In-depth understanding of enterprise knowledge management systems and methods and measures for real-time collection, updating, and analysis of product development knowledge data - Manage product development knowledge and continuously improve product design capabilities - Able to conduct reviews after the development project is completed to study and identify areas for further improvement - Able to create application knowledge management systems to monitor, store, update, and manage various existing product development knowledge in real time - Able to plan and lead regular internal sharing sessions, case studies, and training; create a product development knowledge database to continuously improve the enterprise's product development level and shorten product development cycles; and establish and update specifications - Able to establish systems and strategies to ensure every employee involved in product development, understand the latest product development knowledge and requirements, thus preventing the recurrence of similar mistakes - Professional handling of product development knowledge management - Able to respect intellectual property rights, adhere to the principle of not plagiarising, and avoid individuals and enterprises falling into the trap of infringement
Assessment Criteria	The integrated outcome requirements of this unit of competency are: - Able to effectively create product development knowledge management system and define corresponding specifications to manage product development knowledge within enterprise, continuously improve employees' product design skills - Able to ensure enterprise's product development knowledge stays abreast of industry trends and market changes

Remark	This is the updated version of UoC 106582L5
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