

Specification of Competency Standards
for the Jewellery Industry
Unit of Competency

Functional Area - Technology Support

Title	Implement technological research plans for jewellery products
Code	108977L5
Range	This unit of competency is applicable to practitioners responsible for technological research and development of jewellery in the jewellery industry. Practitioners should be capable of making careful analysis and judgments. They should be able to master, analyze, assess and integrate the available information on the technological research plans, so as to effectively implement such plans.
Level	5
Credit	6
Competency	<p>Performance Requirements</p> <p>1. Know about the technological research plans for jewellery products</p> <ul style="list-style-type: none"> • Understand the concepts of technological research for jewellery products <ul style="list-style-type: none"> ○ Understand the concepts of technological research for jewellery products ○ Understand the technological research projects and the workflow <ul style="list-style-type: none"> ▪ Scheduling ▪ Manpower and material allocation ▪ Communication and co-ordination with relevant departments ▪ Systematic review of the plans • Master the information on the technological research projects of jewellery products, for example, collecting and analyzing the properties, uses and manufacturing processes of the commonly used materials for the design of the jewellery products in the factory to conduct research and development of materials for making jewellery <p>2. Implement the technological research plans for jewellery products</p> <ul style="list-style-type: none"> • Implement the technological research projects for jewellery products according to the established objectives <ul style="list-style-type: none"> ○ Understand the objectives and expected outcome of the technological research projects ○ Formulate and implement research methods for the technological research projects ○ Estimate and control the utilization of resources and submit reports, including manpower, equipment, capital, etc. ○ Prepare the schedule, and follow and control the progress of joint projects on technological research ○ Establish close contact with the relevant internal departments/external organizations for communication and co-ordination ○ Systematically review the progress and effectiveness of the technological research plans, and make suggestions for improvement <p>3. Professionalism</p> <ul style="list-style-type: none"> • Avoid plagiarism when implementing technological research plans for jewellery products to prevent individuals and the organization from falling into the trap of infringement of intellectual property rights
Assessment Criteria	The integrated outcome requirements of this unit of competency are:

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	<ul style="list-style-type: none">• Able to master, analyze, assess and integrate the available information on the technological research plans for jewellery products, so as to effectively implement such plans to meet the development of the organization; and• Review the established technological research plans for jewellery products of the organization and make suggestions for improvement.
Remark	