

**Specification of Competency Standards**  
**for the Jewellery Industry**  
**Unit of Competency**

Functional Area - Research and Product Development

Title	Lead and implement the development of innovative technological research projects
Code	108918L7
Range	This unit of competency is applicable to decision-makers responsible for research and product development in the jewellery industry. Practitioners should be capable of making analysis, assessment and judgment. They should be able to lead and implement technological research projects related to innovative technology used in the jewellery industry, and bring about innovation. Incorporating with the innovation capability evaluation, they should be able to lead the enterprise and/or the industry to make breakthroughs that carry a profound impact.
Level	7
Credit	3
Competency	<p>Performance Requirements</p> <p>1. Know about innovative technological research projects</p> <ul style="list-style-type: none"> <li>• Fully understand the contribution of innovative technological research to the jewellery industry</li> </ul> <p>2. Lead and implement innovative technological research projects</p> <ul style="list-style-type: none"> <li>• Lead and implement innovative technological research projects for the jewellery industry <ul style="list-style-type: none"> <li>○ Develop innovative technological research projects <ul style="list-style-type: none"> <li>▪ Explore potential technological research projects</li> <li>▪ Prepare proposals on technological research projects</li> </ul> </li> <li>○ Lead and implement innovative technological research projects <ul style="list-style-type: none"> <li>▪ Co-ordinate the allocation of resources according to the needs of the technological research projects</li> <li>▪ Communicate with the internal departments/staff participating in the projects and outside organizations, so as to co-ordinate the workflow and progress of the technological research projects</li> </ul> </li> <li>○ Conduct an overall review on the development of the innovative technological research projects <ul style="list-style-type: none"> <li>▪ Conduct an overall review on the progress and effectiveness of each technological research project and make rectification</li> </ul> </li> </ul> </li> <li>• Master intellectual property ordinances to safeguard the achievements of the technological research projects</li> <li>• Incorporate the innovation capability evaluation and analysis <ul style="list-style-type: none"> <li>○ The innovation capability evaluation</li> <li>○ The basic model of innovation capability</li> <li>○ Analysis of advantages and disadvantages of incorporating innovation capability evaluation</li> </ul> </li> </ul> <p>3. Professionalism</p> <ul style="list-style-type: none"> <li>• Prevent any abuse/misappropriation of assets of the organization, corrupt practices, fraud, extravagance and waste, etc. in activities involved in the implementation of innovative technological research projects</li> <li>• Ensure that the innovative technological research policies of the organization meet the latest development</li> </ul>
Assessment Criteria	The integrated outcome requirements of this unit of competency are:

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	<ul style="list-style-type: none"><li>• Able to lead and implement the development of innovative technological research projects for the jewellery industry; and</li><li>• Conduct an overall review on the development of each innovative technological research project and safeguard the achievements of the technological research projects, thus leading the organization and/or the industry to break through its current limitations or habitual practices, so as to make a significant and innovative contribution to the organization/industry.</li></ul>
Remark	