

**Specification of Competency Standards**  
**for the Information & Communications Technology Industry**  
**Unit of Competency**

Functional Area - Operational Management

Title	Implement algorithms and methods of image processing
Code	111112L5
Range	This UoC involves implementing algorithms and methods of image processing to facilitate AI and ML development
Level	5
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Understand image processing algorithm viewpoints</p> <ul style="list-style-type: none"> <li>• Be able to <ul style="list-style-type: none"> <li>○ identify the AI and ML stakeholders of the algorithms</li> <li>○ select algorithm and document viewpoints to address stakeholder's concerns (Remark)</li> </ul> </li> </ul> <p>2. Identify, evaluate, apply, and develop image processing algorithms and methods</p> <ul style="list-style-type: none"> <li>• Be able to apply appropriate algorithms (e.g. enhancement methods, compression techniques, and segmentation methods)</li> </ul> <p>3. Perform stakeholders' reviews</p> <ul style="list-style-type: none"> <li>• Be able to <ul style="list-style-type: none"> <li>○ illustrate to the stakeholders that the development goals are met</li> <li>○ keep track of comments and changes in documentation</li> </ul> </li> </ul>
Assessment Criteria	The integrated outcome requirements of this UoC is to develop, illustrate, and document image processing algorithms and methods that address stakeholders' concerns.
Remark	Example of image processing algorithm viewpoints include hardware, software, standards, cost, and integration