<table>
<thead>
<tr>
<th>TSC Category</th>
<th>Technology Management</th>
</tr>
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<tbody>
<tr>
<td>TSC</td>
<td>Automation Research and Implementation</td>
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<tr>
<td>TSC Description</td>
<td>Manage equipment and information technologies and integrate into organisation operations or processes to achieve organisation desired outcomes</td>
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<tr>
<td>TSC Proficiency Description</td>
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<tr>
<td>EVS-TEM-3001-1.1</td>
<td>EVS-TEM-4001-1.1</td>
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<tr>
<td>Level 1</td>
<td>Level 2</td>
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<tr>
<td>Analyse existing manual operations for areas of improvement to identify appropriate technology to automate operations</td>
<td>Review and refine proposed technology and automation for implementation</td>
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### Knowledge
- Relevant organisational strategies, objectives, processes
- Types automation technologies available in the industry
- Types of transport automation technology available in the industry
- Automation technology integration techniques and tools
- Best practices in management of automation technologies
- Relevant organisational strategies, objectives, processes
- Best practices in management of automation technologies
- Automation technology integration plan
- Design of automation processes
- Impact analysis on automation technology integration
- Strengths and limitations on automation technology integration
- Relevant organisational strategies, objectives, processes
- Emerging trends in automation technology
- Strengths and limitations on automation technology integration
- Processes to develop organisational strategies
- Impact of internal and external influencing factors

### Abilities
- Analyse areas in operations where automation can replace manual intensive processes
- Identify automation technologies that can improve processes
- Implement test methodology on selected automation technology to determine suitability
- Support in the development of
- Review business impact of adopting identified technology to automate business processes
- Adapt the design of proposed automation technology to suit business requirements of existing operations
- Develop implementation plans to implement automation technology in existing operations
- Review the outcome of integration plans in
- Formulate business process improvement strategy through automation
- Formulate risk management protocol for process automation
- Review existing operational procedures with the integration of automation technology
- Lead and present the validating strategies for management’s approval
<table>
<thead>
<tr>
<th>Automation implementation plans</th>
<th>Evaluate effective resource allocation to the best investment of the organisation</th>
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<tbody>
<tr>
<td>• Recommend appropriate technology for implementation in accordance with organisation objectives</td>
<td>• Evaluate effective resource allocation to the best investment of the organisation</td>
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