<table>
<thead>
<tr>
<th>TSC Category</th>
<th>Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSC</td>
<td>Design Creation and Development</td>
</tr>
<tr>
<td>TSC Description</td>
<td>Utilise relevant design approaches for the conceptualisation, development and enhancement of design solutions</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TSC Proficiency Description</th>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Level 4</th>
<th>Level 5</th>
<th>Level 6</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LNS-DES-3025-1.1</td>
<td>LNS-DES-4025-1.1</td>
<td>LNS-DES-5025-1.1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Use appropriate design approaches to translate ideas into design solutions</td>
<td>Review and manage the design creation processes and outcomes</td>
<td>Develop and establish design approaches that improve the design creation processes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Knowledge

- Principles of design research
- Methods of translating research to design
- Principles of various, relevant design software for design creation
- Prototyping techniques
- Current industry design processes
- Advancements in relevant design trends
- Principles of managing research for design creation and development
- Methods of translating research to design
- Industry standard software for design creation
- Prototyping techniques
- Current industry design processes
- Methods of managing stakeholders
- Influences that shape design and technological trends
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of translati
- Methods of managing stakeholders
- Influences that shape design and technological trends
-
- Principles of various, relevant design software for design creation
- Prototyping techniques
- Current industry design processes
- Methods of managing stakeholders
- Influences that shape design and technological trends
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behaviour
- Considerations of technical and process constraints that might influence the design process
- Methods of leveraging design research for strategies that impact the organisation
- Methods of translating research to design strategy
- Industry standard software for design creation
- Impact of design and technological trends on user needs and behavio

### Abilities

- Conduct design research to uncover insights for design translation
- Analyse data to examine, understand and describe user needs
- Identify most appropriate software packages to facilitate expression of design ideas
- Apply appropriate technical knowledge to achieve the desired outcomes
- Encourage the utilisation of relevant design approaches and techniques to elicit latent needs of users
- Review progress and determine the adequacy of various phases in the design creation and development processes
- Lead stakeholders to test multiple design ideas, through quick and cheap methods
- Formulate design approaches and direct the areas of focus to elicit latent needs
- Conceptualise and guide the design creation processes to generate breakthrough solutions that address users' latent needs
- Manage work processes and resolve unforeseen issues
<table>
<thead>
<tr>
<th>Design</th>
<th>Prototyping</th>
<th>Problems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design that best addresses user needs</td>
<td>Prototyping experiments, to obtain feedback about design ideas</td>
<td>Problems to achieve optimal performance</td>
</tr>
<tr>
<td>Analyse prototypes to uncover possible issues in their design and development</td>
<td>Review the strengths and weaknesses of alternative design interpretations</td>
<td>Lead investigation and research on emerging technologies and design trends to facilitate decision-making on designs for long-term benefits</td>
</tr>
<tr>
<td>Implement process steps, for the design methodology in use, to achieve desired outcomes</td>
<td>Review and edit end design outcomes in alignment with strategy and commercial objectives</td>
<td>Evaluate technological trends and current technical constraints to develop plans to achieve the desired design solutions</td>
</tr>
<tr>
<td>Reference and analyse alternative design processes and methodologies of other organisations through secondary research</td>
<td>Communicate with internal and external parties to articulate design intentions, and obtain feedback, during the design process</td>
<td>Formulate relevant key performance indicators to guide the design creation and development processes</td>
</tr>
<tr>
<td></td>
<td>Assess gaps within the design processes and develop appropriate remedial strategies</td>
<td>Devise approaches to assess the practicality and feasibility of design processes in use</td>
</tr>
<tr>
<td></td>
<td>Supervise over decisions regarding overall design creation and development</td>
<td>Consult others to provide advice on best practices in design processes and methodologies, within the organisation</td>
</tr>
</tbody>
</table>