## TSC Category
Design

## TSC
Form Giving

## TSC Description
Giving ideas and/or designs tangible forms and aesthetics, with consideration for function, emotions, technology, culture and organisational values

<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-3029-1.1</td>
<td>LNS-DES-4029-1.1</td>
<td>LNS-DES-5029-1.1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Translate project and design requirements into a tangible form</td>
<td>Review the forms given to designs to verify fulfilment of project requirements and the design brief</td>
<td>Establish the overall vision of the designs’ form by ensuring alignment to organisational strategies and stakeholder needs</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Knowledge
- Principles underpinning design philosophies
- Concept of digital and physical modelling
- Concept and principles of visual semantics
- Concept of design communication
- Concept and principles of human-centred design
- Methods of form exploration in design
- Principles underpinning design philosophies
- Form, material and process relationship
- Concept and principles of visual semantics
- Concept of digital and physical modelling
- Principles of form exploration in design
- Objective evaluation techniques of form giving
- Concept and principles of design communication through form
- Principles and theories underpinning design philosophies
- Significance of form in structural strengths of products
- Theories of visual semantics
- Principles of form exploration in design
- Objective evaluation techniques of form giving
- Stakeholder management
- Concept and principles of persuasive communication through aesthetics

### Abilities
- Interpret project and design briefs to identify concerns and implications associated with the form of designs
- Suggest different appearances of the design, which address the design briefs
- Convey information and designs’ non-visible attributes into shape, material, texture, colour and other tangible forms
- Develop iterations and varieties of mock-up
- Propose strategies to convey design’s non-visible attributes into tangible forms
- Liaise with stakeholders to ensure the form development of design
- Formulate and guide form exploratory methods
- Produce design specifications for the form outcome
- Enhance the design, usability, ergonomics
- Develop the overall product vision and roadmap in collaboration with stakeholders
- Lead stakeholders in conceiving and ideating designs’ forms, in line with organisational needs and market trends
- Set form design standards to ensure adherence to the designs’ vision and design excellence
- Articulate knowledge and experience in design
| Models and/or prototypes for form study | Utilise software, prototyping tools and other forms of technology to demonstrate the tangible designs | Create forms that are relevant to users and various stakeholders | Evaluate forms given to designs for fulfilment of project requirements and design briefs | Provide direction to team members for the forming of designs | Attain buy-in from stakeholders for new design ideas generated from form exploration | Ensure form is able to emotionally connect concepts with users and market desires |