SKILLS*future* SG

TSC Category	Design					
TSC	Design Creation and Development					
TSC Description	Utilise relevant design approaches for the conceptualisation, development and enhancement of design solutions					
TSC Proficiency Description	**Level 1**	**Level 2**	**Level 3**	**Level 4**	**Level 5**	**Level 6**
			LNS-DES-3025-1.1	LNS-DES-4025-1.1	LNS-DES-5025-1.1	
			Use appropriate design approaches to translate ideas into design solutions	Review and manage the design creation processes and outcomes	Develop and establish design approaches that improve the design creation processes	
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 • Prevalent industry design processes, methodologies and tools	
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	• 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	• 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	

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- design that best addresses user needs
- Analyse prototypes to uncover possible issues in their design and development
- Implement process steps, for the design methodology in use, to achieve desired outcomes
- Reference and analyse alternative design processes and methodologies of other organisations through secondary research

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- prototyping experiments, to obtain feedback about design ideas
- Review the strengths and weaknesses of alternative design interpretations
- Review and edit end design outcomes in alignment with strategy and commercial objectives
- Communicate with internal and external parties to articulate design intentions, and obtain feedback, during the design process
- Assess gaps within the design processes and develop appropriate remedial strategies
- Supervise over decisions regarding overall design creation and development

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- problems to achieve optimal performance
- Lead investigation and research on emerging technologies and design trends to facilitate decision-making on designs for long-term benefits
- Evaluate technological trends and current technical constraints to develop plans to achieve the desired design solutions
- Formulate relevant key performance indicators to guide the design creation and development processes
- Devise approaches to assess the practicality and feasibility of design processes in use
- Consult others to provide advice on best practices in design processes and methodologies, within the organisation

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