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| **SKILLS FRAMEWORK FOR INFOCOMM TECHNOLOGY SKILLS MAP – UI DESIGNER** | | | | | | |
| **Sector** | Infocomm Technology | | | | | |
| **Track** | Software and Applications | | | | | |
| **Sub-track** | User Interface Design | | | | | |
| **Occupation** | User Interface Designer | | | | | |
| **Job Role** | **UI Designer** | | | | | |
| **Job Role Description** | The User Interface Designer determines business needs and user requirements for user interface (UI) design and formulates technical specifications and delivery platform requirements for UI. He/She translates content and layout into an intuitive and responsive experience for users, and manages the design of UI elements for projects to ensure consistency and alignment to overall concept. He ensures that the UI visually communicates the path that a user experience designer has laid out. He oversees the conduct of usability testing to validate UIs, implementation of UIs, and analyses design audits for improvements.  He works in a team and is proficient in programming languages required by the organisation to design and develop UIs. He is familiar with various graphic designing tools, as well as Universal Principles of Design and commonly used Design Methods.    The UI Designer is imaginative and innovative in designing new and improved user interfaces. He adopts a structured approach when managing projects and performing testing. He keeps an open mind and leverages varying sources of information and data analytics to derive trends and identify potential design improvements. He is able to communicate his ideas to team members and other stakeholders in a clear and compelling manner. | | | | | |
| **Critical Work Functions and Key Tasks** | **Critical Work Functions** | **Key Tasks** | | | | |
| **Gather and evaluate user requirements** | Determine business needs and user requirements for user interface (UI) design | | | | |
| Synthesise findings from requirements analysis for the design of UIs | | | | |
| Ensure that specification requirements for UI design are aligned with business needs and user requirements | | | | |
| Evaluate user research to identify potential UI design enhancements | | | | |
| Formulate technical specifications and delivery platform requirements for UI | | | | |
| **Design UI architecture and**  **strategy** | Manage the design of UI elements for projects to ensure consistency and alignment to overall concept | | | | |
| Develop processes to incorporate industry standards and best practices for design of UIs | | | | |
| Translate content and layout into intuitive and responsive interface experience for users | | | | |
| Develop designs of interface layers, adhering to branding elements, standards and guidelines | | | | |
| Program UIs to accomplish specific tasks | | | | |
| Ensure that the UI visually communicates the path that a user experience designer has laid out | | | | |
| Review style guides and make enhancements to ensure that a consistent design language is applied across products | | | | |
| Propose emerging technologies or methodologies to design UIs | | | | |
| **Conduct usability testing on UIs** | Develop prototypes for UIs | | | | |
| Oversee the conduct of usability testing to validate UIs | | | | |
| Oversee the implementation of UIs | | | | |
| Prepare documentations for UI design implementation and compliance | | | | |
| Evaluate the effectiveness of UIs in meeting business and user needs and requirements | | | | |
| Recommend modifications in the design of UI based on usability test findings | | | | |
| **Optimise UI designs** | Analyse the performance of UI designs based on performance indicators and propose recommendations | | | | |
| Oversee UI design audits | | | | |
| Develop solutions to solve UI design issues | | | | |
| Design frameworks for quantitative analysis | | | | |
| Analyse outcomes of UI design audits for improvements | | | | |
| **Skills and Competencies** | **Technical Skills and Competencies** | | | **Generic Skills and Competencies** | | |
| Brand Management | | Level 4 | Computational Thinking | | Basic |
| Budgeting | | Level 3 | Creative Thinking | | Intermediate |
| Business Environment Analysis | | Level 3 | Lifelong Learning | | Intermediate |
| Business Innovation | | Level 5 | Teamwork | | Intermediate |
| Business Needs Analysis | | Level 3 | Service Orientation | | Basic |
| Business Performance Management | | Level 3 |  | | |
| Business Requirements Mapping | | Level 4 |
| Customer Experience Management | | Level 3 |
| Data Analytics | | Level 3 |
| Design Thinking Practice | | Level 4 |
| Emerging Technology Synthesis | | Level 4 |
| Process Improvement and Optimisation | | Level 4 |
| Product Management | | Level 4 |
| Project Management | | Level 4 |
| Research | | Level 3 |
| Software Design | | Level 4 |
| Software Testing | | Level 3 |
| Solution Architecture | | Level 4 |
| Stakeholder Management | | Level 4 |
| User Experience Design | | Level 3 |
| User Interface Design | | Level 4 |
| User Testing and Usability Testing | | Level 4 |
| **Programme Listing** | For a list of Training Programmes available for the ICT sector, please visit: www.skillsfuture.sg/skills-framework/ict | | | | | |
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| The information contained in this document serves as a guide. | | | | | | |