

7.2.1 Job Dashboards

Specialist (Digital Delivery)

Megatrends impacting the Job Role in Short to Medium-Term

COVID-19	Multi-Skilling	Sustainable Construction/Buildings	Value Chain Aggregation & Integration	Workforce Challenges
----------	----------------	------------------------------------	---------------------------------------	----------------------

Impact Assessment

M

MEDIUM

degree of change in tasks

Technology Trends impacting the Job Role in Short to Medium-Term

BIM Technology	Blockchain	Data Analytics & AI	Digital Twin
Remote Monitoring	RPA	Robots & Automation	VR/AR
5G, IoT & Smart Buildings	Modular Construction		

Today

This job role is involved in project delivery, digital solutions development and adoption and competency building. Job holders interpret business requirements and help to translate them into digital solutions, and are familiar with digital solutions and business requirements to add value to the business. Job holders provide timely and value-added services to end-user digital solutions, and ensure that the quality of information and models prepared by the specialists adhere to the prescribed standards and protocol for sharing and coordination purposes.

In the Future

This job role may continue to leverage technology in project delivery, and see **greater emphasis on their role in digital solutions development, adoption and competency building within the organisation**. Job holders may see greater need to keep abreast of new technologies to facilitate the adoption of relevant digital solutions within the organisation, **possessing interdisciplinary skills to ensure digital solutions and business requirements add value to the business, and providing necessary training to stakeholders**, so as to enhance project outcomes.

Job Tasks Today	Impact at Task-level / Future view of Job Tasks		Time Horizon
Implement digital project delivery and collaboration	M	Job holders may see development of more complex BIM models due to greater availability and integration of data , and the use of BIM Technology as a single data source, and will have to develop capabilities to perform the necessary checks and audits accordingly. Job holders will still be required to rely on their technical expertise to resolve discrepancies and non-compliance.	Short-term
	L	With increased adoption towards BIM and digital tools and platforms, job holders may see greater emphasis on implementing modelling and exchange protocols for information sharing , and will require coordination and communication among stakeholders.	Short-term

7.2.1 Job Dashboards

Specialist (Digital Delivery)

Job Tasks Today	Impact at Task-level / Future view of Job Tasks		Time Horizon
Identify and develop automation solutions to manage technological adoption	M	<div><div>▶ Job holders will need to be aware of the application of new digital solutions and processes, so as to identify relevant solutions to address pain points and business requirements.</div><div>▶ Digital tools (e.g., Data Analytics & AI) may enable job holders to conduct data analysis more effectively in assessing viability of digital solutions adoption and determining productivity gains, and integrate data analysis findings and business acumen to determine organisation's technology adoption strategy.</div><div>▶ Job holders may see a larger role in performing testing and troubleshooting of digital solutions, in support of the organisation's technological adoption.</div></div>	Short-term
Provide coaching to build digital competency	M	<div><div>▶ As the pace of digital adoption may be expected to grow, job holders will need to be increasingly proficient in supporting the adoption of digital solutions in the organisation, understanding how technologies are implemented in projects, and acting as both coach and champion for the other functions.</div><div>▶ Job holders will need to understand the application of new digital solutions and processes and develop capabilities in utilising the technologies, so as to provide coaching to project stakeholders on use of digital solutions.</div></div>	Short-term

The following TSCs/CCSs have been identified as in-demand/emerging for the job role going forward:

In-demand Technical Skills and Competencies		
Application Support and Enhancement	Applications Integration	Building Information Modelling Application
Change Management	Common Data Environment Management	Critical Thinking
Emerging Technology Synthesis	Integrated Digital Delivery Application	Learning and Development
People Management	Programming and Coding	Stakeholder Management
Emerging Technical Skills and Competencies		
Artificial Intelligence Application	Robotic and Automation Technology Application	
Emerging Critical Core Skills		
Communication	Transdisciplinary Thinking	