The Executive Summary of the Supply Chain Management (SCM)– Jobs Transformation Map (JTM) Study

Singapore's inaugural SCM jobs transformation study seeks to assist employers to upskill and reskill SCM professionals and to prepare them for new ways of working
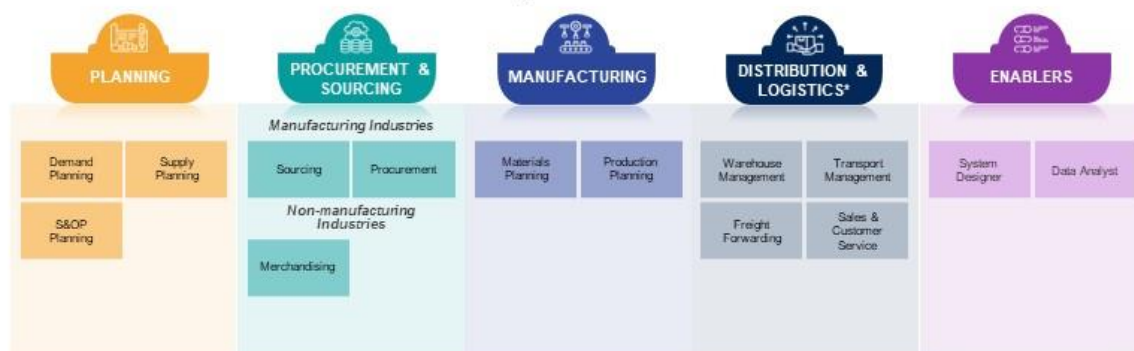
SCM Function	Affected Job Roles	New Responsibilities	New Skills Required
PLANNING	• Demand Planner • Supply Planner	• Leverage advanced software to run predictive analytics using AI/ML technologies • Actively introduce new data variables into forecasts and consolidate data-backed forecast drivers into digital dashboard for continuous supervision and decision making	• Big Data Analytics • Workflow Digitalisation • Business Continuity Planning
PROCUREMENT & SOURCING	• Sourcing Manager • Procurement Specialist • Merchandising Executive	• Leverage e-procurement systems to automate manual and routine processes such as invoicing • Apply predictive analytics and scenario planning to evaluate and recommend optimal procurement pathways • Analyse global data flows captured in ERP systems to strengthen market intelligence	• Data Storytelling and Visualisation • Workflow Digitalisation • Market Risk Management
MANUFACTURING	• Production Manager • Materials Planner	• Integrate IoT and robotics technologies to streamline manufacturing processes • Leverage vendor management software for more efficient material procurement and adjust for demand spikes • Configure various manufacturing scenarios into digital dashboards for more accurate data collection and analysis	• Big Data Analytics • Data Analytics System Design • Green Manufacturing Design and Implementation
DISTRIBUTION & LOGISTICS	• Project Executive (Transportation) • Warehouse Operations Executive • Freight Officer • Order Management Executive • Customer Service Officer	• Apply smart workflows and geolocation tracking technologies to enable self-reporting capabilities on transportation metrics such as usage and efficiency, and real-time end-to-end tracking of goods • Integrate intelligent and robotic sorting systems to digitalise inventory or storage management, and leverage digital solutions to auto-route customer orders • Use RPA and data analytics to draw sales drivers from large customer datasets and run behaviour analytics to predict sales outreach opportunities	• Data Collection and Analysis • Workflow Digitalisation • Environmental Protection Management

Transformation of businesses and jobs

[WSG] Productivity Solutions Grant (Job Redesign)

[WSG] Career Conversion Programmes (CCPs)

Wide range of support to help businesses and SCM professionals stay relevant

Equipping professionals with essential skills

[SSG] SkillsFuture Career Transition Programme (SCTP)

Scan for SCM JTM study report

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The SCM-JTM study can also be accessed [here](#).