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technology is inherent in om theory and practice and its role in the value adding processes of organizations is crucial to the extent that early management theorists used the word technology in place of process when discussing what we now know as om thompson 2017 modern operations management revolves around four theories business process redesign bpr reconfigurable manufacturing systems six sigma lean manufacturing business journal of operations management editorial free access aims and criteria for advancing technology management research at the journal of operations management gregory r heim anand nair elliot bendoly first published 10 november 2021 doi org 10 1002 joom 1164 citations 5 handling editor tyson browning sections pdf tools technology operations a flywheel for performance improvement mckinsey operations leaders across sectors are deploying new automation tools and techniques in parallel with longer term it modernization plans to quickly digitize the last mile of processes within a company 1 what is operations management 2 understanding operations management what it involves 3 skills needed for successful operations management 4 10 principles of operations management 5 why is operations management necessary 6 useful operations management theories 7 operations management strategies and requirements 8 technologies are becoming increasingly complicated and increasingly interconnected cars airplanes medical devices financial transactions and electricity systems all rely on more computer software than they ever have before making them seem both harder to understand and in some cases harder to control government and corporate surveillance of individuals and information processing the study uses contract theory to analyse the relationship between open collaborative innovation strategies and digital platforms the authors argue that a collaborative mechanism and governance of the platform affect how operations are run and impact firm ambidexterity technology operations management overview faculty curriculum seminars conferences awards honors doctoral students summer 2024 article the business revolution economy wide impacts of artificial intelligence and digital platforms by hanna halaburda jeffrey prince d daniel sokol and feng zhu download course the doctoral seminar 15 764 focuses on theoretical work for studying operations planning and control problems this term s special topic customer driven operations considers how a number of companies have succeeded in focusing their operation systems on the customer students in the technology operations management program complete courses in the areas of business management theory economic theory quantitative research methods academic field seminars and two mba elective curriculum courses in addition to hbs courses students may take courses at other harvard schools and mit research dissertation accelerating business operations productivity with technology mckinsey talks operations blog be selective go fast the new rules of business productivity technology can offer a shortcut to better performance in a challenging environment but only when

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