Leadership in the Age of Artificial Intelligence: Intersection of Technology and Human Management

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Abstract

Over the last few decades, innovation and rapid growth have resulted in significant change in both business and technology. People now depend more than ever on computers and automation in their personal as well as professional lives. The COVID-19 epidemic made organizations and individuals dependent on technology and all of its advantages, underscoring the increasing demand for creative leaders. Business and technology are becoming top priorities for both new and established organizations as they plan, strategize, and operate in the context of the emerging new normal. As artificial intelligence becomes more and more integrated into the workplace, leaders will need to adjust to the new opportunities and difficulties the technology represents. By automating specific tasks and services, the workplace's adoption of AI technology is revolutionizing the workforce. This study employs a mixed-methods approach, combining quantitative and qualitative research to provide a comprehensive understanding of leadership in the age of AI. Data will be collected through structured surveys and in-depth interviews with leaders and employees from various industries that have integrated AI into their operations. The survey will target 130 leaders and 250 employees from different sectors, ensuring a diverse representation of perspectives. Interviews will be conducted with a subset of 25 leaders to gain deeper insights. In actuality, AI automation will probably create new employment while also making some vulnerable, but one thing is for sure: the skill sets needed for the workforce of the future are evolving. To the greatest extent feasible, industry leaders should foresee these shifts and create plans to reskill or upskill their employees so that they are able to adjust to the new demands of the workplace. Leaders can use that assessment to identify areas for growth and create focused programs to improve their leadership skills. As AI technology becomes more prevalent in the workplace, managers must acquire new competencies like programming and data analysis and make sure that their workforce is ready to adjust to the changing demands of their jobs.

Keywords

Innovation, Leadership, Business, AI, Leaders, Technology, Workfork