Digital Twin Technology: A Solution for Remote Operation and Productivity Improvement During Covid-19 Era and Future

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Abstract : The pandemic Covid19 has significantly impacted the world; the spreading of the Covid19 virus initially from China has dramatically impacted the world's economy. Therefore, the world reacts with establishing the new way or norm in daily life. The rapid rise of the latest technology has been seen by introducing many technologies to ease human life to have a minor contract between humans and avoid spreading the virus Covid19. Digital twin technologies are one of the technologies created before the pandemic Covid19 but slow adoption in the industry. Throughout the Covid19, most of the companies in the world started to explore to use it. The digital twin technology provides the virtual platform to replicate the existing condition or setup for anything such as office, manufacturing line, factories' machine, building, and many more. This study investigates the effect on the economic perspective after the companies use the Digital Twin technology in the industry. To minimize the contact between humans and to have the ability to operate the system digitally remotely. In this study, the explanation of the digital twin technology impacts the world's microeconomic and macroeconomic.

Keywords : productivity, artificially intelligence, IoT, digital twin
Conference Title : ICOMIE 2022 : International Conference on Operations Management and Industrial Engineering
Conference Location : Kuala Lumpur, Malaysia
Conference Dates : August 30-31, 2022

Open Science Index, Industrial and Manufacturing Engineering Vol:16, No:08, 2022 publications.waset.org/abstracts/146588.pdf