

عنوان مقاله:

Providing a typology of technologies associated with the Fourth Industrial Revolution

محل انتشار:

کنفرانس بین المللی مدل ها و تکنیکهای کمی در مدیریت (سال: 1399)

تعداد صفحات اصل مقاله: 7

نویسندگان:

Hojjatollah Sharifpoor - *Master Student in University of Mazandaran*

Hassanali aghajani - *Faculty member in University of Mazandaran*

Abdolhamid Safaei ghadikolaei - *Faculty member in University of Mazandaran*

خلاصه مقاله:

Background: Nowadays organizations for getting competitive advantages and it's preservation need to the evolution of their production systems and compatibility of them to market dynamics requirements. Fourth Industrial Revolution technologies can be useful for managing these organizations challenges. Goal: The goal of this study is to present a new typology of technologies associated with the Fourth Industrial Revolution based on the literature review. Method: Based on the literature review and Content Analysis Technique, it has been investigated words and terms related to dimensions and technologies of the Fourth Industrial Revolution. Then the names of technologies presented in researches and papers have been refined by authors several times, and finally, it is presented a new classification of technologies based on their applications in the real world. Finding: The results of analyses showed that related technologies to Fourth Industrial Revolution can be classified into 23 category includes: Internet of Things, Industrial Internet of Things, Cyber Physical Systems, Cyber Systems Security, 3D Printers, Blockchain, Fast Sampling, Simulation, Big Data Analysis, Augmented Reality, Production Control, Digital Sensors, Cloudy Computing, Computerized Designing and Manufacturing, Flexible Manufacturing Systems, Virtual Reality, Digital Service Systems, Product Cycle Management, RFID, Integrated Engineering Systems, Computer-Aided Engineering, Intelligence Manufacturing, Decrease Manufacturing. Conclusion: Finally, it has been recommending to Managers and Businesses for success in their business it is required to getting and preservation of competitive advantages by attending and application of these technologies

کلمات کلیدی:

Typology, Technology, Fourth Industrial Revolution

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1036270>

