



The Impact of New Technology Development on Conceptual Age in Nano Mechatronics processes

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Original Article:

Received 11 March. 2017 Accepted 30 March. 2017 Published 30 July. 2017

ABSTRACT

In the complex environment, dynamic and highly alternating and susceptible today, organizations need to design and adopt a strategy and timely decisions needed are present, this age according to its characteristics are distinct spaces create. However, one of the necessities of survival and development of new technologies in every era is age understanding the factors affecting it also sensitive of developing new technologies are as one of the most essential and important step in any society so in this study we analyzed the development of new technologies, find the impact of these factors based on the model are presented by case study Nano Mechatronics process that is representative of advanced processes and updated on the conceptual age. To accomplish this, we have investigated the literature of new technologies, the era of nano-mechatronics concepts and processes and up to date models of that. This study empirically examines the research model using survey data from 384 senior managers of SAIRAN government company. The findings confirm previous studies that claim a positive impact of new technologies development on conceptual age. More importantly, the results indicate that, there is positive impact of Technical knowledge, The investment on technology, Level of political commitment and The maturity level of basic science on conceptual age. Furthermore, the findings suggest that experts should consider these factors as an important part of new technologies development in the conceptual age. This consideration would contribute to explain better firm-related performance, such as new technology development in conceptual age.

Keyword:

New Technology Development, Conceptual age, Nano Mechatronics processes

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Peer review under responsibility of **UCT Journal of Management and Accounting Studies**