Abstract

Recent developments in Artificial Intelligence (AI) have resulted in breakthroughs in applications such as computer vision, natural language processing, robotics, and data mining. These breakthroughs have been optimally utilized in various military applications such as surveillance, reconnaissance, threat evaluation, underwater mine warfare, cyber security, intelligence analysis, command and control as well as military education and training. However, it is not easy to achieve these breakthroughs. They are subject to the package of challenges of being prone to high risks; robustness and reliability crunch or absence of the required training to name a few. Present research work tries to explore such challenges and further attempts to study the possible inter-relationships using ISM methodology.

References

1. Bojarski, M., Testa, D.D., Firner, B., Flepp, B., Goyal, P., Jackel, L.D., Monfort, M.,
On an attempt to explore challenges for Artificial Intelligence and Machine Learning in Indian Military and Defence Sector and Studying the Possible Inter-relationship amongst them using ISM Methodology


15. https://gigaom.com/2014/05/02/darpa-is-working-on-its-own-deep-learning-project-for-natural-language-processing/NLP


Index Terms

Computer Science

Artificial Intelligence
Keywords

Interpretive Structural Modeling Methodology, MIC-Mac Analysis, Military and Defence sector, Artificial Intelligence and Machine learning