

Proceedings of the 3rd Annual World Conference
of the Society for Industrial and Systems Engineering,
San Antonio, Texas, USA
October 20-22, 2014

Administrative Standardization through Group Technology

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Author Note: Iris Sánchez a last semester student of the Masters in Applied Engineering in the Universidad Autónoma de Coahuila, would like to thank the university for the information provided for the realization of the article, finding that the use of artificial intelligence is an efficient way to achieve standardization, when a new project is developed and adequate formats can be applied.

Abstract: This Article describes a first approach to standardize project management based on the classification of families using the projects and the contents to create an initial standardization. In this paper, the use of group technology in order to create families of projects and families of content is proposed. Then to obtain the solution a neural network called Adaptive Resonance Theory-1 is applied. The present paper carried out as a case of study in the special project area of the “Universidad Autónoma de Coahuila”.

Keywords: Adaptive Resonance Theory- 1, Group Technology, Standardization.