

Project Title: Data Mining Through Support Vector Machines And Fuzzy Clustering In Order to Improve Productivity of An Oil Refinery
Project No.: RG030-09ICT
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Abstract:

One of major issue that management of a refinery has to deal with is not collecting data, but the possession of valuable knowledge to make optimized decisions. Finding useful patterns from collected data is a challenging task not only for an important industry such as Bandar Abbas Oil Refinery, but also for other branches of industry. There has been little research for issues governing refineries, and Bandar Abbas Oil Refinery is not an exemption. At Bandar Abbas Oil Refinery, there has been no study on how data mining through neural network or support vector machines combined with fuzzy clustering algorithm could help to improve the productivity and quality of its products.