## The Role of Information Technology in Industry Development based on SWOT Analysis in Iran

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## - Abstract -

In the era of fierce competition, consider able numbers of countries are investigating large amount of resources into Information Technology (IT) as they seek to add value to their industry and economy. IT environment combines scale and quality in the key areas that promote competitiveness including education, infrastructure, encouragement of innovation and industry growth potential. In this paper, the effort has been made to manage IT infrastructure and to support it for IT industry development. We proposed a framework of IT strategic planning based on SWOT (Strengths, Weaknesses, Opportunities, and Threats) analysis which is used for industry development in Iran. The Analytical Hierarchy Procedure (AHP) is applied to quantify the qualitative parameters of SWOT criteria for more effective decision making in IT environment. The TOPSIS (Technique for Order Preference by Similarity to an Ideal Solution) method is used to identify the best strategy of developing the industry of Iran by the results gained by AHP method. To validate the proposed framework, a case study of industry in Iran has been illustrated.