

عنوان مقاله:

Prioritizing policy tools to support development of IoT technologies in Iran

محل انتشار:

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خلاصه مقاله:

The Internet of Things is a new perspective on the information technology industry that encompasses all technical, social and economic concepts. Identifying priority application areas for this technology is one of the key points for its effective use. Governments also have a variety of tools for policy-making to support the development of this technology. Therefore, knowing which tool has a higher priority for support is a very important point that can not only prevent the loss of resources but also improve the speed of development. In this research, using the opinion of experts and using the TOPSIS method, an attempt has been made to identify the priority of IoT application areas as well as the priority of government support policy tools in these areas. The results of this research have shown that the important areas in this field respectively are Smart cities, Factories and industries, Shipping, Healthcare, Supply chain management, Buildings and houses and finally Agriculture and animal husbandry. Also Government policy tools respectively, in order of priority, are Financial and Investment Incentives, Flexible regulatory, Tax Exemption, Deploying IOT applications in E-government, Standards and Accreditation, Technology Infrastructure, Macro Policies, Application Infrastructure, Cybersecurity Regulation, Privacy Regulation. The Internet of Things is a new perspective on the information technology industry that encompasses all technical, social and economic concepts. Identifying priority application areas for this technology is one of the key points for its effective use. Governments also have a variety of tools for policy-making to support the development of this technology. Therefore, knowing which tool has a higher priority for support is a very important point that can not only prevent the loss of resources but also improve the speed of development. In this research, using the opinion of experts and using the TOPSIS method, an attempt has been made to identify the priority of IoT application areas as well as the priority of government support policy tools in these areas. The results of this research have shown that the important areas in this field respectively are Smart cities, Factories and industries, Shipping, Healthcare, Supply chain management, Buildings and houses and finally Agriculture and animal husbandry. Also Government policy tools respectively, in order of priority, are Financial and Investment Incentives, ... Flexible regulatory, Tax Exemption, Deploying IOT applications in E-government, Standards and Accreditation, Technology Infrastructure

کلمات کلیدی:

Internet of Things, Application, Policy tools, TOPSIS, Expert panel

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