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TITLE: CONTRIBUTION OF INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) TO THE ECONOMY - AN INPUT-OUTPUT ANALYSIS FOR IRAN

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ABSTRACT:

Contribution of Information and Communication Technology (ICT) to the Economy - an Input-Output Analysis for Iran Fatemeh Bazzazan Alzahra University Tehran- Iran fbazzazan@alzahra.ac.ir ABSTRACT The Information and Communication Technologies (ICT) as a factor of production is considered a special type of capital in the production process. In recent years, there has been a significant rise in interest on the role of ICT in the productivity growth and/or economic growth process. Contribution of the ICT on to overall production system in the new economy is one of the main issues in the economic literature and one of the factors of productivity growth. Although the impacts of ICT on productivity have been studied in many countries, little is known in Iran. In this paper, we study the economic importance of ICT at the national level by using hypothetical extraction method in the input-output framework. Based on the aggregated six-sector input-output table in 2001 in which ICT is a main sector. The results show from demand side ICT sector placed in the fourth rank among six sectors with the economic importance of 8.6% total output and from supply side is also placed in the fourth rank with 9.5% of total output. Key word: ICT, Extraction Method, Iran Paper presented to the International Input-Output Conference Sao Paulo Brazil, 13-17 July, 2009.