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Title:	An Interactive Low-Cost Smart Assistant System: Information Kiosk as Plug & Play Device		
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Published Conference Name:	2020 27th Conference of Open Innovations Association (FRUCT)		
Type of Publication:	Conference		
Volume:	N/A	Issue	N/A
Publisher:	IEEE		
Publication Date:	02 October 2020		
ISSN:	978-1-7281-6247-8		
DOI:	https://doi.org/10.23919/FRUCT49677.2020.9211057		
URL:	https://ieeexplore.ieee.org/abstract/document/9211057		
Other Related Info.:	Page 193-199		



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Abstract:

The demand for a self-service device that can relay the information of an organization while maintaining privacy is quite crucial in today's world. The introduction of kiosks in such states resolves this issue but the prevailing kiosk manufacturing companies don't provide a plug & play system for kiosks. In order to nullify these issues, the design of an information kiosk as a plug & play system has been described in this paper. This kiosk can provide real-time information to the users removing the necessity of any sort of human assistance. Unlike the existing kiosks, this is a plug & play device, which makes it easier to install any specification or modification required as per the organization's requirement. It also stands out from the existing ones through the use of image processing and computer vision making it more interactive as well as user friendly. The system also possesses the capability of processing a vast amount of data. These data are collected through sensors and other means as well as conveying with high accuracy and privacy. Furthermore, the system is low-cost in comparison with the available kiosks in the market.