

{tag} International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

[Volume 179](#)

-
[Number 34](#)

Year of Publication: 2018

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10.5120/ijca2018916775

{bibtex}2018916775.bib{/bibtex}

Abstract

Global warming and other environmental issues along with excessive use of energy are becoming the world's major concerns and need to be solved. The partial solution can be achieved by using eco-friendly technology in a country. Many countries have already taken proper initiatives to implement Green ICT at organizations. This paper presents the barriers in implementation of Green ICT at different organizations based on survey conducted in Bangladesh. After extensive studies on Green ICT, eight barriers are outlined. Survey questionnaire is used to measure the perception of the employees towards the hurdle of execution of Green ICT at organizations. Descriptive statistics is used to find the percentage of opinion of the respondents in different identified barriers. Moreover, t-test has been employed to identify whether the identified barrier are statistically significant or not. The survey revealed that lack of government strict regulation act, indifferent to arrange workshop and lack of trained manpower are important barrier in implementation of Green or sustainable ICT in organizations.

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Index Terms

Computer Science

Information Sciences

Keywords

Green ICT, Organization, Barrier of Green ICT, Sustainable Development

