

Environmental Challenges for Electronic Waste

Abba Kyari Buba

Universiti Teknologi Malaysia, Malaysia

Othman Bin Ibrahim

Universiti Teknologi Malaysia, Universiti Teknologi Malaysia

Due to concerns about environmental sustainability, electronic waste has become a significant global issue. The Information Technology (IT) industry is significantly affected on the environment, as its growth of utilization is caused by huge energy consumption's. Evidence has shown a lack of research that lead to drives to use of Green Information Technology (Green IT). The absence of a practices strategy for addressing environmental challenges has been identified as the most significant gap in Green IT. Hence, Green IT has therefore become one of the latest considerations to improve a business's environmental sustainability whilst reducing the cost of IT operations. We discuss opportunities and challenges for IT. Therefore, to reduce the impact of IT on the environment, we propose a Green IT practices strategy.

Keywords: *E-waste, Environment Strategies, Green IT, IT & IS, Process Management, Sustainability*