Trends in Green Computing Paradigms towards Environment, Eco Friendly Technology and Future Sustainable Kenya

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Abstract

Computing has led to an increase in energy consumption, global warming and e-waste. The environmental impact of computing is alarming, hence the dire need for green initiatives by governments and organizations towards sustainable future. There are various approaches and assumptions of green IT solutions and energy efficient practices in computing. In the paper carries out a systematic study on several strategies and developments in context to the ICT sustainability as a future asset of growth for modern Kenya with special emphasize on the technologies and practices (economic, social, environmental) for creating eco-friendly technology. The paper also highlights trends in green computing paradigms that are used in Kenya for sustainability of the environment. This is achieved by identifying the state of the art technologies and establishing its impact on environmental sustainability using desktop review shall be used on a global perspective.

Index Terms— Green Computing, Green IT, Trends