

Green Computing: A Secure Future

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Abstract: *Green computing is the study and practice of designing, manufacturing, using,. Servers, and associated subsystems—such as monitors, printers, storage devices, and networking and communications systems—efficiently and effectively with minimal or no impact on the environment. Green computing whose goals are to reduce the use of hazardous materials, maximize energy efficiency during the product's lifetime, and promote the recyclability or biodegradability of defunct products and factory waste. During the last two decades has led to generation of a huge amount of electronic wastes resulting in soil, water and environmental pollutions. Thus pollution control and environmental safety has become the greatest concern of environmental scientists and activists worldwide. Dumping of electronic wastes, one of the by-products of this urbanization process has become a major problem in our society. Because these wastes are not biodegradable, gradual deposition of these e-wastes leads to accumulation of various toxic metals like lead, cadmium etc. and contaminates the soil and the ground water. Ground water contamination in turn, affects the plant animal and the living system as a whole causing severe health hazards and disorders. This paper presents at various sources of e-wastes, their effects, E-waste, Health Risks, Recycling and several green initiatives.*

Keywords: Green Computing, Literature Review, Electronic-waste, Energy Star, recycling,

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