

WEEE MANAGEMENT: APPROACH OF REVERSE LOGISTICS IN HIGHER EDUCATION INSTITUTIONS

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Abstract

The Waste of Electrical and Electronic Equipment (WEEE) presents major growth than urban solid waste reverberating on impacts for environment and human health care. Due to development of Information and Communication Technology (ICT) the Higher Education Institutions (HIE) have adopted measures to correctly manage WEEE, as HIE contribute to growth of WEEE by replacing and/or disposing equipment to strengthen and satisfy institutional operations. The objective of this article is to propose an institutional framework related to Reverse Logistics (RL). The Study of Times and Value Stream Mapping was conducted establish the connection of agents involved in the management. Results show the potential in HIE to fortify management activities through RL obtaining economics and environmental benefits.

Keywords

Waste of Electrical and Electronic Equipment, Reverse Logistics, Higher Education Institutions, Information and Communication Technology, Study of Times.

Biography

Luis Augusto Valencia Rivera is an Industrial Engineering Student of Santiago de Cali University, Cali (Colombia); linked to IDEAS research group at the Universidad Santiago Cali as a young researcher in the field of reverse logistics performed as a speaker at internal events.

Claudia Cecilia Peña Montoya is an Industrial Engineer of Universidad Autónoma de Occidente, Cali (Colombia), Magister in Management Lancaster University, United Kingdom. Doctorate in Engineering Universidad del Valle, Cali (Colombia). She is currently the director of the Master's degree in Engineering at the Universidad Santiago de Cali and leader of the IDEAS research group. She has worked in the productive sector in logistics and operations area. Also worked in research and teaching, especially in the field of reverse logistics.