

Review of Warehouse Management System

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Abstract: *In warehouse management, modern companies and distribution center are overflowing with information about the transportation and storage of goods and services. Warehouse Management systems (WMS) are often used and fulfil these goals. Current work examines the program as a useful tool for finding and using a WMS. In addition, a research methodology is provided to guide upcoming research on WMS and logistics information (LIS) in general. Meanwhile, inventory management is, in general, the study of determining the structure and location of items in stock. It goes beyond the normal and deliberate manufacture and packaging of goods at different locations on the ground or at different locations in the community. It contributes to Warehouse as we see the latest technology evolve in the field. These studies may be extended from time to time to determine the correct and best practice of WMS at any given time.*

Keywords: Warehouse Management Systems, WMS Implementations, Inventory management system, supply chain

REFERENCES

- [1]. Pei Yingmei. Research on the construction of a Warehouse Management System based on RFID technology [J]. Science Technology Vision, (2019) [1]
- [2]. Zhang Xinyu. Application of RFID technology in Warehouse Management [J]. Automation and Instrumentation (2017) [2]
- [3]. Dai Xiaorui. Design and Application of Materials Procurement Tracking System based on TWODIMENSIONAL code Internet of Things Technology[J]. Digital Technology & Application, (2019) [3]
- [4]. Ooi Chun Wei, Rosnah Idrus and Nasuha Lee Abdullah "Extended ERP for Inventory Management: The case of a Multinational Manufacturing Company", 2017 Fifth International Conference on Research and Innovation in Information Systems (ICRIIS), DOI: 10.1109/ICRIIS.2017.8002489, July 2017. [4]
- [5]. Xueqing Yu and Lingyun Wei "Inventory management in the e-commerce supply chain with lateral transshipment and quick response", 2018 fifth International Conference on Industrial Engineering and Applications, 978-1-5386-5748-5, April 2018. [5]
- [6]. Amirhosseini, M. and Sharp, G., (1996). Simultaneous analysis of products and orders in storage assignment. Manufacturing Science and Engineering ASME 1996 MED-Vol. 4, pp. 803-811. [6]
- [7]. Ashayeri, J., Gelders, L. and Van Looy, P., (1983). A simulation package for automated warehouses. Material Flow 1, pp. 189-198. [7]
- [8]. Baker, P. and Halim, Z., (2007). An exploration of warehouse automation implementations: cost, service, and flexibility issues. Supply Chain Management 12(2), pp. 129-138. [8]
- [9]. Banks, J., (1990). The simulation of material handling systems. Simulation 55(5), pp. 261-270. [9]
- [10]. J.P. van den Berg. A literature survey on planning and control of warehousing systems. Working Paper, LPOM-96-12, University of Twente, Fac. of Mech. Eng., Enschede, The Netherlands, 1996. [10]
- [11]. L. Gelders and D. Heeremans. Het traveling salesman probleem toegepa It op order picking. Tij&chr~ft voo',- Economie en Management, 39(4):381-388, 1994. In Dutch. [11]
- [12]. J. Miebach. Die Gnmldagen einer sYBteTnbezogenen Plan'l.tng von Sf'ickgutlagern, dargestellt am Beispiel des K ommissionierlagers. PhD thesis, Technische UniversiUit Berlin, Germany, 1971. In German. [12]
- [13]. Inventory Management Software for Windows in Python Amogh Singh¹, Vimal Negi², Aaditya Tirodkar³, Nida Parkar⁴ 1234Computer Engineering, Atharva College of Engineering/ University of Mumbai, India) [13]

- [14]. The solution of warehouse management. BEIJING VISION ELECTRONIC TECHNOLOGY CO, LTD, 2004. [14]
- [15]. Jayanth, S.; Poorvi, M.B.; Sunil, M.P. Inventory Management System Using IOT. In Proceedings of the First International Conference on Computational Intelligence and Informatics, Hyderabad, India, 28–30 May 2016; Satapathy, S.C., Prasad, V.K., Rani, B.P., Udgata, S.K., Raju, K.S., Eds.; Advances in Intelligent Systems and Computing. Springer: Singapore, 2017; pp. 201–210. [Google Scholar][15]
- [16]. J.P. van den Berg. A literature survey on planning and control of warehousing systems. Working Paper, LPOM-96-12, University of Twente, Fac. of Mech. Eng., Enschede, The Netherlands, 1996.[16]
- [17]. L. Mc Ginnio, J. Trevino, and J.A. White. A bibliography on material handling systems analysis. Technical Report MHRC-TR-83-06, Georgia Institute of Technology, 1983.[17]
- [18]. Matson and J.A. White. Operational research and material handling. European Journal of Operational Research, 11:309-318, 1982.[18]