

ARDUINO VIA IOT TECHNOLOGY IN LOGISTICS FOR DECISION MAKING

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ABSTRACT

In this paper, we will explore some of the exciting uses of IoT in the supply chain. The logistics industry is a key player that is ready to take advantage of the "IoT" revolution. With millions of missions being moved, tracked, and stacked by a variety of machines, vehicles, and people every day, it is no surprise that logistics and the IoT are in perfect harmony. In addition, transport was and is the weakest link in terms of logistics due to the limited security measures available for the safe delivery of cargo. Using IoT technology via wireless sensor networks to communicate between sender and carrier, logistics providers can view and manage their cargo and drivers on a much larger scale, whether it is the condition or location of goods. So, using this network infrastructure and technological advances in wireless sensor networks (WSN), administrative processes can be managed much more efficiently and effectively. In conclusion, the IoT takes the supply chain to a more sophisticated level as it provides an accurate flow of product information to the market, a reliable basis for analysis, forecasting and proper management decision making.

KEYWORDS: *IoT, Logistics, Arduino, Decision Making*