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Digitization and the Latest Trends making an impact on Global Supply Chain Management

The Supply Chain Management is going through many disruptions with the advent of various tools and technologies. On one hand, these technologies make the whole procurement procedure more robust. Whereas, on the other hand, it helps in improving the economy of our country.

As per the study of, Associated Chambers of Commerce and Industry of India (ASSOCHAM), the logistics market in India is expected to grow to USD 307 billion by the year 2020, recording a CAGR of 16 percent on an average. Digitization will play a major role in transforming logistics into a robust, IT-enabled, intelligent service. Some of these areas are:

Data Analytics and Machine Learning

In the present time, it is possible for the industries to get accurate data through data analytics. Let us take an instance of calculating the average days for project completion of a specific vendor. You can calculate days of delivery of last few months and calculate their mean for the similar order. This would give you an idea of the number of days a vendor generally takes for the completion of an order. It would be beneficial to you in enhancing your operational efficiency, helps in the proper management of inventory as well as in the effective execution of your supply chain requirement.

Internet of Things (IoT)

IoT is the emerging technology which is causing continuous disruptions in Global Supply Chain Management. It has brought safety in the supply chain by reducing the human interference. You can keep a track record of all the orders, delivery schedules and provide you with the end to end visibility of all the machine to machine communications. Hence, the organizations will be achieving cost reduction, time as well as energy consumption.

Blockchain

The main value of Blockchain is that it facilitates both transparency and security of the data. Due to this, alteration of data is not possible once it is updated. Let us take an example of the quality of a product supplied by your supplier. Through blockchain, you will be having clear visibility of the quality offered over the vast period of time without any possibility of alteration. Blockchain improves security in supply chain, reduces bottlenecks in the system and makes accurate recording of data possible.

Artificial Intelligence and Satellite Technology

Through Artificial Intelligence, it is now possible for the Supply Chain and Procurement Professionals to increase the efficiency and keeping a track of their deliveries and logistics. Even a simple RFID (Radio Frequency Identification) tag helps in the accurate predictive analysis. Apart from that, it will help you in gathering sufficient amount of precise data which will be helpful to you in resolving the crisis in the management which might occur in future.