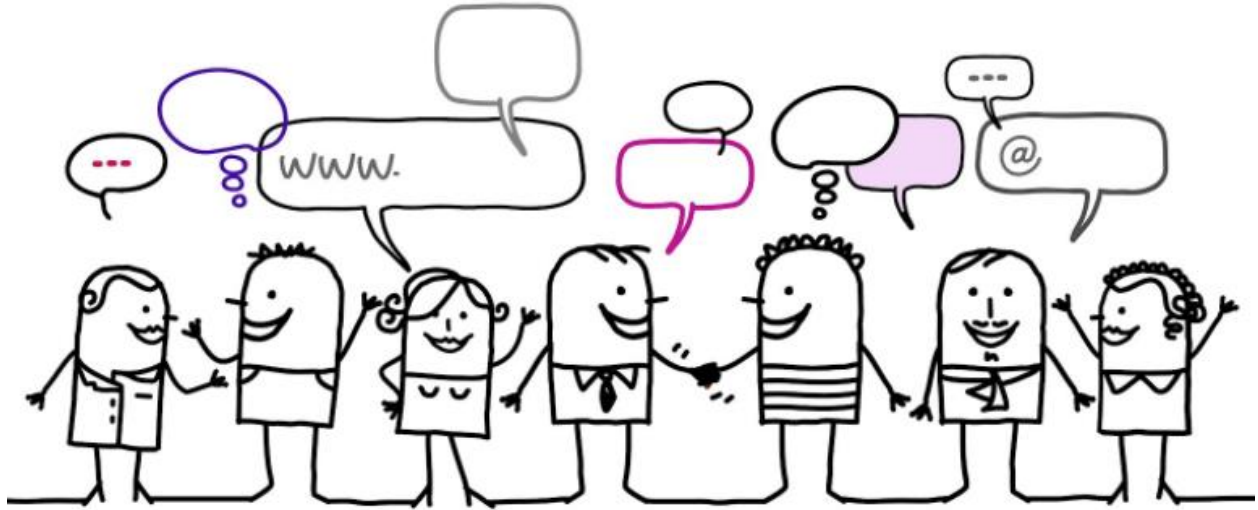


BIG DATA, MOBILITY & GREEN IT IN ERP ***WHY IS EVERYONE TALKING ABOUT THEM***



Over the past couple of decades, there has been a prominent increase in the use of Enterprise Resource Planning or ERP for all kinds of businesses. From major global conglomerates and industrial manufacturers, all the way down to individual distributors and small privately owned businesses, ERP has made a thorough impact unlike any other on all business models. Over the past few years, rapid developments in information technology and the rise of the internet have changed the landscape, and ERP has also been caught up in these winds of change.

ERP was once seen as a competitive edge over competing organizations, the next big thing in business if you will, that allowed users to successfully take over the top spots in the market.

Today, however, the situation is completely different with Enterprise Resource Planning being an essential tool in use at every organization, large and small. ERP has become a necessity in order to remain competitive and relevant in the market.

The latest innovations that promise to usher in a new era in Enterprise Resource Planning are Big Data, Mobility, and Green IT:

Big Data:

Big Data, as its name suggests, refers to massive datasets that far exceed the analytical, storage, and management capabilities of normal databases. This term has been making waves in IT for quite some time. Big data is emerging as an efficient method for planning, forecasting,

and executing large scale projects across multiple channels. Understandably, this has major implications for the supply chain industry, where big data can be used to make effective decisions based on realistic demand forecasting and planning abilities. Furthermore, big data also allows information from around the world to be analyzed, which can allow for better inventory optimization, purchasing, and distribution management.

Mobility:

Throughout the world, organizations are encouraging back-end employees to take up electronic devices for recordkeeping and communicating instead of paper. Mobility introduces the concept of real time information management utilizing ERP systems. This means that accurate data is reflected throughout the system and the entire supply chain over the course of the day in real time, allowing for live inventory adjustments and processing as and when required.

Furthermore, mobility also allows the implementation of more effective costing by applying improved margins to capture actual costs associated with production and distribution. Mobile technologies also help minimize errors and have massive implications for more efficient inventory management.

Green IT:

As the world gears up toward renewable energy and eliminating wasteful practices, the concept of Green IT provides a clear pathway forward for businesses. Green IT solutions are designed to help businesses comply with environmental regulations and avoid any unanticipated or unintended transgressions. This is achieved through asset monitoring systems, preventive maintenance updates, and monitoring of equipment parameters. Green IT has the additional benefit of cost saving, by preventing expensive environmental cleanups, legal action, and machine breakdown through real time monitoring of multiple systems.

Conclusion:

Increasingly cut-throat competition around the world is forcing businesses to face the reality of updating for the future or closing shop for good. Implementing progressive ERP technologies such as Big Data, Mobility, and Green IT will ensure the growth of businesses and optimize supply chain processes in order to regain that competitive edge. Connect with him on Twitter @brijesh4316