# FROM DIGITIZATION, THROUGH DIGITALIZATION TO DIGITAL TRANSFORMATION: IT'S TIME TO THINK SMART

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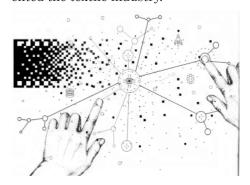
In today's fast-paced world, man has become a completely digital toy. Everyone is totally busy in their digital lives and with electronic media.

Although the current digital age looks bad, it is also useful to accelerate the economy as well as knowledge and technology.

But still, in some places, people are confused about many things. Whether it's recreate, restore, and recycle, or digitization, digitalization, and digital transformation, people still misunderstand the past meaning of this word and make mistakes in understanding their differences.

Although these words sound similar, their work and their values are different.

Now let us take a look at what digitization, digitalization, and digital transformation are and how they have benefited the textile industry.



### **DIGITIZATION**

Digitization is the method involved in changing over substantial amounts of information into advanced configurations that can be perused by means of a PC screen or a PDA. Data is coordinated into units considered pieces that can be independently tended to in bunch called bytes. As far as we might be concerned, digitization is basically changing your hard photos, films, and VHS tapes into top-caliber material or into powerful memories that never vanish.

### **Key Points**

- Digital technology helpful to accelerate the economy as well as knowledge
- Digitization
- Advantages of digitization
- Digitalization
- Primary reasons of digitization
- Goal of digitization
- Digital transformation
- Digital transformation helpful for every business organization
- Benefits of digitization, digitalization and digital transformation to textile industry
- New variations and innovations in the textile industry through digitalization

# The following are some advantages of digitization.

### Helps to maintain the economy:

It is very expensive to handle and manage any practical document physically. You'll invest money and effort on regular record management rather than



the one-time expense of digitalization, which could save you money and time in the long run. Saving digital data not only saves documents but also saves money on annual financial books.

### Increase productivity by:

Dealing with physical documents slows down your team. Maybe the time it takes to process a records request for your organisation averages around 30 minutes, Since your worker must physically move from documents storage to the scanning, provide the records to a client, and then return to documents storage But if you choose digital solutions for your work, you could cut down the record retrieval process to around 5 minutes. Everything is stored in an easy-to-find place.

Accessing each file is instantaneous. You open up your employees' time to focus on more vital tasks rather than preserving time-consuming physical records.

Digitization is very important for digitising and organising information.

### **DIGITALIZATION**

Now, digitalization is mostly focused on the current situation. Digitalisation In business, digitalization most commonly means the process of enabling, improving, transforming business operations and business activities through the use of digital technologies and a broader use and context of digitised data, which is then converted into intellectual ability and measurable insight.



The primary reason to digitalize your business is that it is not a trend, but rather the direction in which the entire world is moving.

The goal of digitalisation is to empower integration, improve data quality, and collect and structure all of that data so that advanced technology, such as better and smarter software, can be applied.

Higher process efficiency, lower transaction costs, and better control of business operations are the results of digitalisation, both for the individual company and for the network of connected businesses.

Digitalization has the potential to disrupt traditional models and help the common man in a variety of ways, such as by providing a platform that connects buyers and sellers around the world and updates the status of transactions as they occur online. As more developing countries realise the benefits of digitalization,

### **DIGITAL TRANSFORMATION**

Digital transformation is also another term which helps to create the future. Digital transformation refers to the combination of digitalization into all elements of an organisation, radically changing how you operate and give value to consumers.

Digital transformation is essential for all businesses, from narrow to large. The way an organisation operates is changing as a result of digital transformation. Every technology, method, procedure, and mindset is evaluated. This transformation affects every level of an organisation and brings together data from various areas so that employees can collaborate more effectively.

Digital transformation enables multiple operational divisions inside an organisation to convert raw data into knowledge across several touch points. This results in a unified perspective of the customer experience, logistics, manufacturing, revenue, and business prospects.

Businesses that go through digital transformation increase their productivity and revenue.

Digitization, digitalization, and digital transformation are beneficial for the textile industry.

The first industrial revolution began many years ago with the steam engine and the mechanical loom. Wool and cotton were the potential markets at the time, whereas the fourth industrial revolution is being inspired by digitalisation and increased interaction on the Internet.

Application structures and fusion systems in the textile industry are enabling previously unthinkable supply chains. Aspects of known supply chains are bypassed in order to quickly and easily connect customers and manufacturers. The trends of digitalisation and automation will change the industry as a whole. Even now, a garment can be produced automatically approximately 85% of the time. This means rationalisation and increased efficiency, which is every entrepreneur's goal.

Within several years, the textile industry's value chains will be largely automated, particularly in production systems.

Radical technologies like automatic sewing machines and industrial 3D printers allow for significant time savings in production. Organic and relatively close fibres will be 3D printed within several years.

Innovations in the textile industry through digitalization:



Source: google.com

<u>Factory operations are being monitored automatically.</u>

The parameters of the factory department, as well as the environment, such as temperature and humidity, have a direct impact on the fabric's quality.

These can be measured by appropriate sensors placed throughout the department and shared with cloud data via the internet. The collected data can then be visualised, and actions such as controlling plant air conditioning and dehumidifiers can be taken.

### Textile machines of various types

Today's weaving machines, whether Jacquards or Dobby, have PLC systems and can start sharing data to various Sensor nodes for what designs are being run with actual specifications like pick, thread counts, weave and warp details, making these data available to factory managers and product managers on mobile and tablet computers. All of this is done in forward-thinking textile mills.

### Printing digitally

The total Time to Market for printed textile products has been reduced through the use of digital printing machines, product development visualisation of designs on T-shirts, Shirts, Tops, Bed sheets, and made up curtains.

As a result, production costs have decreased and efficiency has increased.

Digitization Digitalisation and digital transformation have given a big boost to the textile industry, and these changes can be used to go further.

Just as human beings need air, water, food, shelter, so now every industry needs digitalization to grow its own business and make more profit in less time.

### Reference

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