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10 Hot Digital Transformation Trends You Should Know

Globally in 2022, spending on digital transformation (DX) is foreseen to surpass $1.8 trillion, and the same will reach $2.8 trillion at the end of 2025 year. (Statista)

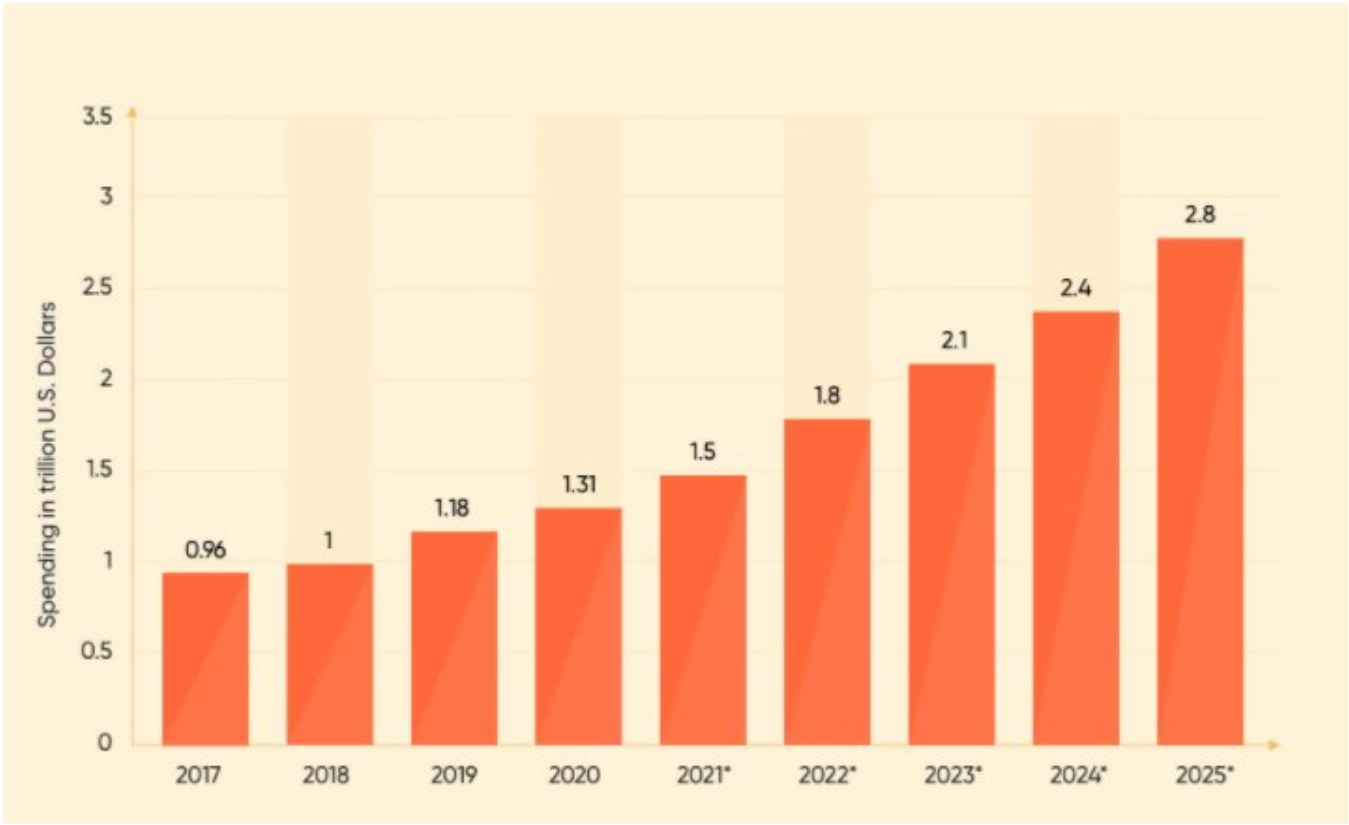

Image Source: net solutions

Nowadays, businesses are no longer content to stay put and rely on the same old strategies to maintain their competitive edge.

the changing needs of today's consumers in a way that leads to sustainable growth — and digital transformation trends are becoming the dominant means by which they do it.

But what are these trends, exactly? Read further and know about the top digital transformation trends for the year 2022.

The Top Digital Transformation Trends Of 2022

To make efficient use of digital transformation trends in your business verticals, you can avail of **digital transformation services** from the **top digital transformation companies in India**. The top digital transformation trends which will dominate businesses in 2022 are:

Zero-Trust Security

As organizations continue their journeys towards a more secure and highly available network, there are still too many applications that don't use multi-factor authentication (MFA). In today's threat landscape, security teams need to allow access to employees using MFA in order to stay ahead of sophisticated attacks.

As such, zero-trust security helps provide an additional layer of security when MFA is not used. Zero-trust environments enforce access policies between devices and apps by preventing unauthorized access on mobile devices or applications when they aren't connected to your network.

Moreover, in order to gain more visibility into your organization's mobile usage, it is recommended to implement zero-trust security. This type of approach is aimed at limiting risk and exposure by blocking unauthorized access to devices or applications that aren't connected to your network.

This will significantly reduce your attack surface while allowing authorized users to securely connect to external applications from their mobile devices when needed.

2. Data Fabric

Worldwide data, fabric market size is predicted to grow to $4.2 billion by 2026. (MarketsandMarkets)

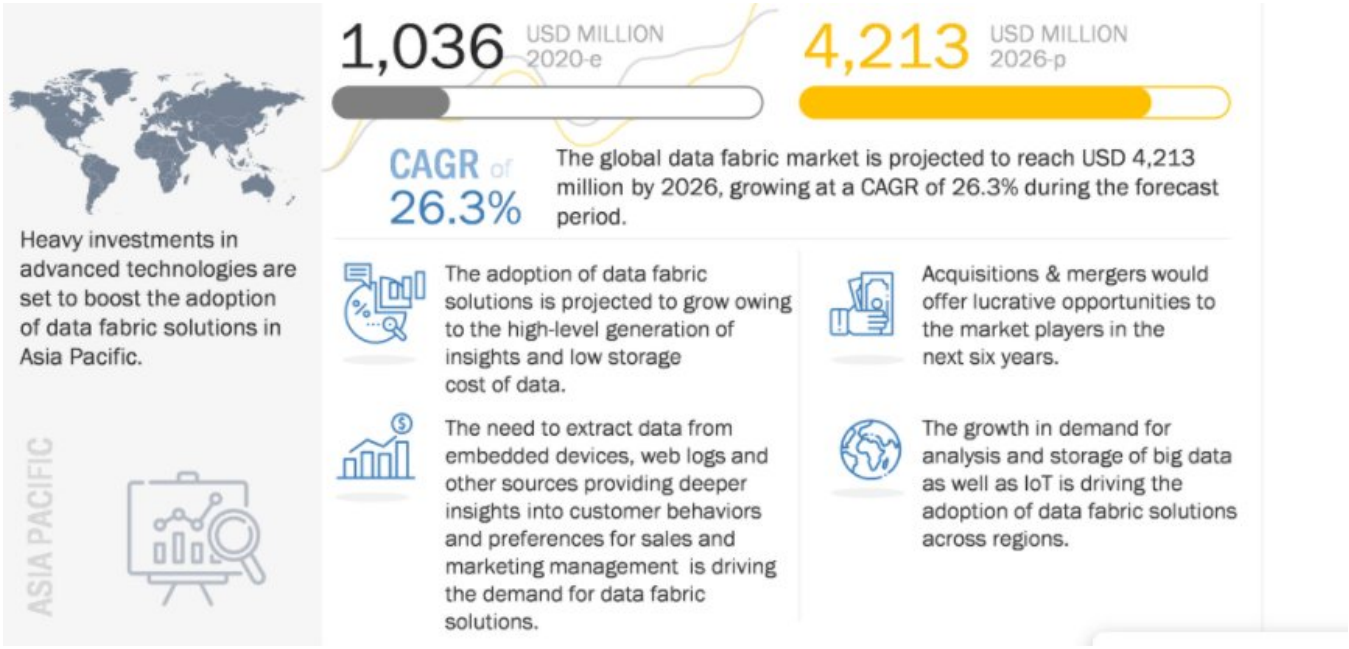

Image Source: Markets and Markets

The rise of enterprise data fabric is pushing IT organizations to expand their cloud services and embrace a multi-cloud approach. The data fabric supports containers, elasticity, edge computing, and big data analytics in one place to generate value for digital business.

Businesses can deliver applications with real-time insights via the CEP engine (computing on encrypted information) without breaking encryption. Enterprises should also enable DevOps culture with proper network and storage infrastructure using an SDN controller or other centralized software programs.

It's important to find best practices from early adopters of digital transformation trends and make sure businesses do not lose track of fast-changing technology.

3. Hyperautomation

Automation continues to be a popular means of digital transformation, but some companies are ditching traditional tools and moving toward hyperautomation.

Instead of transforming with one tool at a time, these businesses are running multiple tools in parallel and leaning on automation across their entire stack. This approach allows companies to run processes more seamlessly as well as experiment with new products.

For example, if you're a fast-food chain that wants to introduce healthier menu options, hyperautomation would allow you to create mobile apps for food pickup at checkout without having to develop entirely new systems.

While hyperautomation can yield big benefits for companies undergoing digital transformation, it's not for everyone — and certainly has its share of risks.

Some of the hyperautomation-oriented initiatives include:

In-memory computing

As companies make moves toward real-time, streaming data analysis and decision making, they're increasingly adopting in-memory computing.

In effect, it allows businesses to analyze huge amounts of data that are stored locally in a company's servers or directly attached storage (DAS) devices.

This type of system isn't as vulnerable to outages because it keeps up with changes in memory instead of continually reading from the disk. If a computer goes down, for example, an in-memory computer will keep working on its internal state without loss.

RPA

As per Deloitte, 93% of enterprises intend to deploy RPA by 2023.

Thanks to big data and cloud storage, companies no longer need to rely on humans as much. In order to help businesses maintain efficiency, robotic process automation (RPA) tools can capture a business's manual processes and program a computer to carry them out instead.

Many of these systems are already in place at major companies like JP Morgan Chase and HSBC. While enterprises are beginning to replace large chunks of their IT infrastructure with automation technologies, there are still important limitations that make it difficult for smaller businesses to employ some hyperautomation methods.

For example, companies that employ thousands of staff can afford dozens or hundreds of robots, whereas smaller enterprises may not be able to justify such an investment.

4. Generative AI

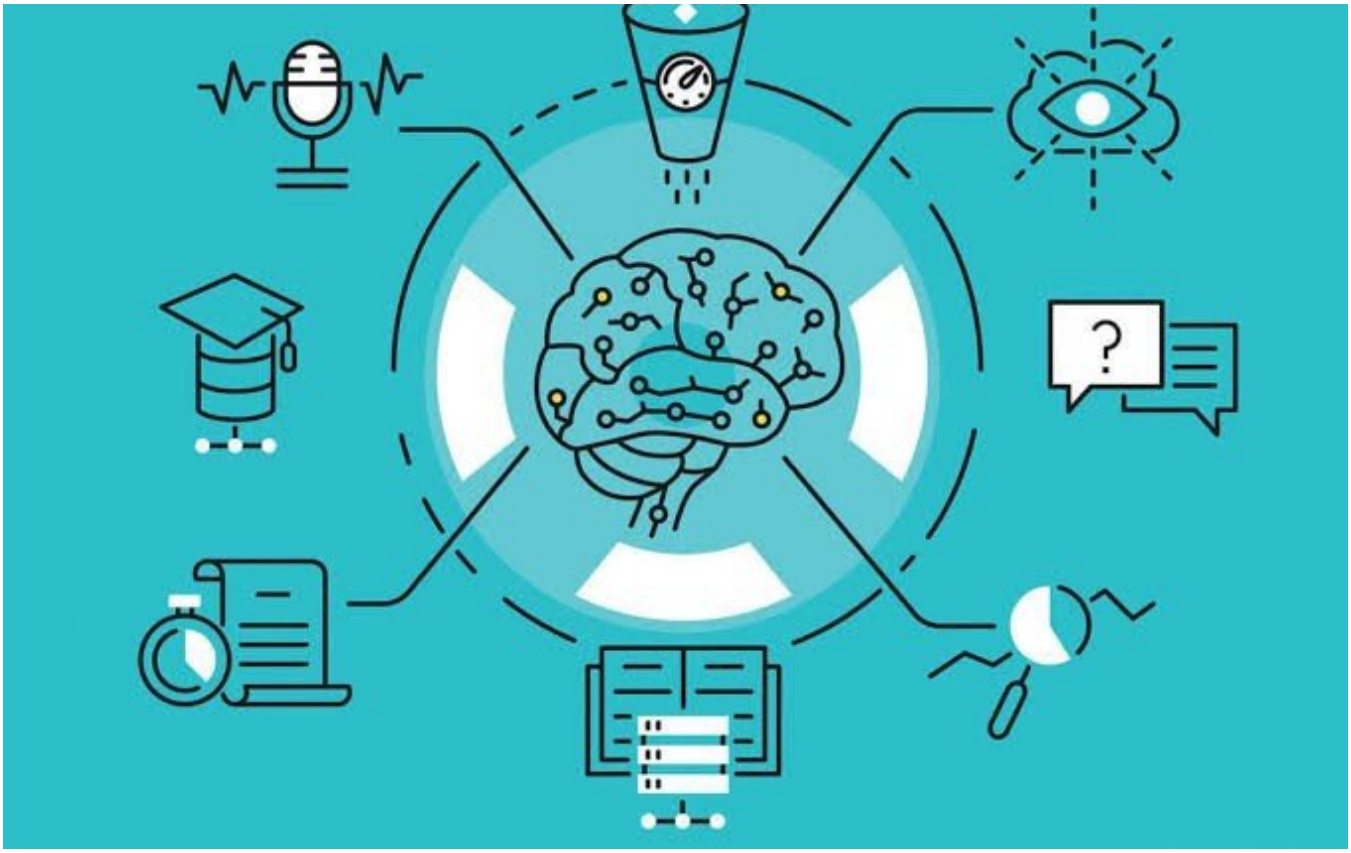

Image Source: Medium

This digital transformation trend focuses on leveraging algorithms to improve existing business processes and predict future outcomes. It's about using AI for incremental gains that complement human work rather than replacing it.

AI can optimize financial systems, customer service interactions and more by learning from thousands of historical cases. The applications of Generative AI extend beyond big business; Generative is also used in reference to small businesses who are constantly innovating and trying new things.

For example, Generative Innovation could include an entrepreneur partnering with a baker to introduce fresh bread every day or tweaking a digital advertising campaign based on current website traffic patterns.

Some examples of generative innovations would be companies like -Google image search, Google translate and Apple song recognition. These companies use algorithms (sets of rules) to recognize patterns in large data sets (collections) make predictions or decisions(Jarvis).

All these startups focus their energies on identifying problems within modern life and

developing innovative solutions built upon artificial intelligence technology.

These industries evolve as they rapidly progress toward machine learning while increasingly depending on significant amounts of personal data acquired through technologies like smartphones, smart cars and wearable technology.

5. Everything as a Service (XaaS)

XaaS is a way to purchase services on demand. Instead of purchasing an entire solution, customers can subscribe to only those pieces they need — like software licenses or cloud storage — and pay only for what they use.

The idea is to help customers lower their costs and reduce complexity while providing flexibility and eliminating vendor lock-in (the fear that you're stuck with one provider).

With XaaS, enterprises are able to experiment and innovate at a much faster pace. Cloud computing has helped make such services available to everyone, but XaaS still has its critics; it's not necessarily less expensive than traditional solutions when all is said and done.

And if your organization requires customizations in order to function properly, it could be tough to get that through a XaaS model. Still, if your industry allows for consistent licensing models and service capabilities, then XaaS could very well be worth exploring as a digital transformation strategy.

6. AR Cloud

According to ABI Research, AR Cloud will disrupt the complete AR value chain, anticipating growth of $102 billion by 2024.

Augmented reality (AR) is a fast-growing application of digital transformation that's changing how we use and interact with products. AR allows us to see real-world environments augmented with computer-generated content in real-time, creating more relevant experiences.

With new developments in cloud computing and improved bandwidth, AR cloud applications are poised to take off over the next few years. The first stage of development will focus on connected devices — for example, smart glasses that overlay instructions for building a piece of furniture onto a couch as it's being assembled.

Since most objects are unique, once an object has been identified and entered into a system via an image or video capture, its dimensions can be stored and accessed through an internet connection.

This digital transformation trend is quite complex to include in software, but this can be easily done if you will get connected with the **top digital transformation companies in India**.

7. Customer Data Platforms (CDP)

A Customer Data Platform is a type of cloud-based customer data repository that's used to collect and store customer information, including behavioural data.

Businesses use CDPs to gain more insights into customer behaviour in order to better predict their needs. Because they aggregate so much consumer insight, CDPs are extremely valuable to digital transformation efforts.

Companies that embrace CDPs can get real-time updates on all their customers, as well as access historical customer behaviour at any time, often without having to change their business processes or payment systems.

Additionally, some CDPs offer personalization capabilities based on user information such as location and past interactions with the company's product or service.

8. Automation & Robotics

Automation and robotics are two of the best transformational technologies that can help you streamline business processes.

Robots, for example, excel at performing repetitive tasks quickly, which gives companies with large volumes of data and opportunity to reallocate human resources from low-value jobs to more creative work.

One company that's taking advantage of automation is Zappos; by using technology like machine learning and computer vision for logistics, inventory management and customer service, Zappos has managed to reduce its fulfilment costs by 60%.

In addition to improving efficiency, robots can also help increase employee satisfaction by reducing stress levels in high-pressure roles like nursing or customer service.

9. Telecommuting

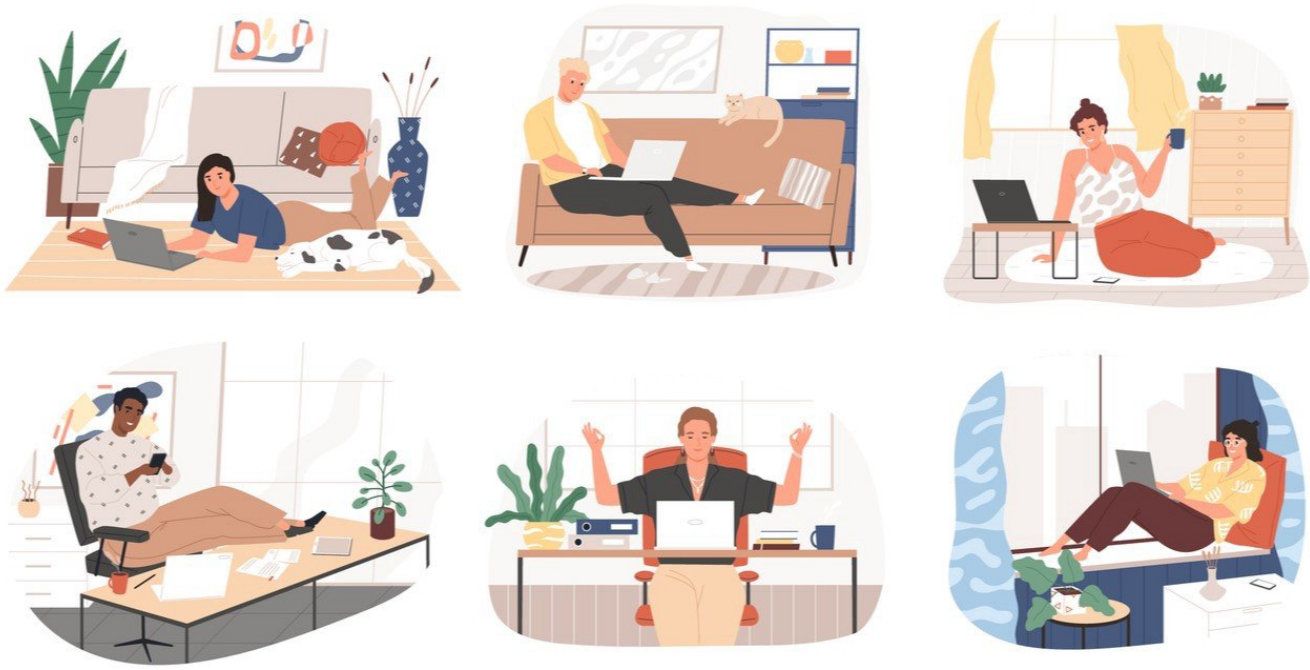

Image Source: Construction Executive

Many business leaders believe that bringing workers back into a traditional work environment will improve productivity and innovation. However, recent research suggests that telecommuting could be better for both employees and employers.

To truly optimize productivity, companies need to avoid turning an office into a confining place by promoting some degree of work from home. Telecommuting allows workers to use their time most effectively and with limited interruptions.

Instead of being tethered to a desk for eight hours a day, employees can fully embrace technology and make their own schedule as long as they deliver on results.

It's easier than ever for managers to track employee performance remotely because most jobs now have digital elements that go beyond mere numbers or measurable objectives.

10. Cybersecurity

In today's interconnected world, cybersecurity has become a global concern. The threat

is real and well-documented, with many organizations coming under attack from hackers.

Luckily, there are methods to protect your data from being exposed to cyberattacks. For starters, keep your software up-to-date as much as possible (this goes for everything from Apple to Windows operating systems).

Also, make sure you have antivirus software on all of your devices and use strong passwords that are difficult for hackers to crack (complexity matters!).

Finally, it might be wise to invest in an IT firm that specializes in security — they will likely offer better protection than self-managing. Not only can they help protect you against malicious attacks, but they can also train your employees to handle sensitive information appropriately.

This way, if something does happen, it won't create a ripple effect throughout your organization.

Ending Words

Digital transformation is a process that requires careful planning and execution. By understanding the latest Digital transformation trends, you can stay ahead of the curve and ensure your company is prepared for the future.

Implementing even just a few of these trends can help you streamline processes, improve productivity and promote innovation. What trend will you implement first?

To make the right decision, get connected with the **top digital transformation consulting firms**. They will help you assess your company's specific needs and recommend the best path forward.

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