

ROLE OF DIGITIZATION IN BUSINESS SUCCESS – IN CONTEXT OF COVID-19

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ABSTRACT

COVID-19 has brought about dramatic consequences on the world economic system, commercial enterprise sports, and people. But digitization is likewise supporting many companies to conform and overcome the current situation due to COVID-19. The boom inside the use of generation within the everyday lives of humans and organizations to stand this outstanding scenario is an proof of the virtual acceleration process. This exploratory have a look at analyzes the effect of virtual transformation approaches in three enterprise regions: labor and social family members, advertising and income, and era. The impact of digitalization is anticipated to be transversal to each place and will inspire the emergence of new digital products and services based totally at the principle of pliability. Additionally, new methods of running will foster the demand for new talent regardless of humans' geographical vicinity. Moreover, cyber security and privateness turns into two key elements so as to assist the incorporated development of the Internet of Things era solutions, synthetic intelligence, massive records, and robotics.

Key Words: Transformation, Digitization, Covid-19 Resilience, Business Analysis, Pandemic, Work Procedures, Sustainable Growth.

1. Introduction

At the cease of 2019, a unique corona virus disorder (COVID-19) broke out abruptly and unfold unexpectedly to turn out to be a international pandemic. By overdue June 2020, COVID-19 had inflamed greater than 8 million humans international, together with greater than 80,000 humans in China. This public health crisis has posed first rate challenges for the survival and improvement of companies, with small- and medium-sized enterprises (SMEs) struggling mainly. The COVID-19 pandemic has been economically unfavourable in lots of approaches. First, as increasingly governments block cities that allows you to manage the pandemic, the worldwide deliver chain has been extensively disrupted as each imports and exports are blocked. Second, delays in the resumption of labor have significantly decreased firms' manufacturing capacity even as fixed prices together with revenue and lease stay unchanged, leading to critical coins drift troubles. Third, the discount in demand due to the outbreak has posed extreme threats to provider sectors which includes catering, hospitality, and cultural tourism. Worse, the damage as a result of the COVID-19 outbreak is predicted to be lengthy-lasting and feature a chilling effect on global economic growth.

In this have a look at, we argue that digitalization has the potential to assist SMEs respond efficaciously to public crises by way of activating their dynamic competencies. Digitalization refers to the usage of digital technology such as data, computing, conversation, and connection technologies to promote organizational modifications. In the context of the COVID-19 outbreak, a great deal research has advised that the adoption of digital technology performs an crucial role in disaster responses. In China, the authorities has advocated using large statistics, synthetic intelligence (AI), cloud computing, and different virtual technologies in pandemic tracking, virus tracing, sickness treatment and paintings resumption. For instance, big facts era can offer powerful guide for real-time pandemic monitoring and tracking. The adoption of on-line workplace software permits personnel to work remotely in a flexible way.

Based on facts from a web questionnaire survey carried out with human beings SMEs, the prevailing look at explores the relationships among digitalization, disaster reaction techniques to the COVID-19 outbreak, and the disaster reaction performance of SMEs. The survey outcomes sincerely show that digitalization can help SMEs hire emergency responses in addition to reply strategically to public crises in the end, accordingly contributing to the improvement in SMEs' overall performance. Drawing on the dynamic talents perspective, we advocate a theoretical framework of digitalization and public disaster responses and present several avenues for destiny research.

2. Literature Review

During covid-19 pandemic, the aspects that may be considered are the financial procedure going well in addition to the income. It can be realized through facilitating purchases properly and conveniently. In addition, the importance of logistics isn't always simplest associated with the shipping of goods to customers, but additionally associated with the deliver chain of raw substances. Moreover there may be a decline in inventory within the marketplace. As the answer, it desires virtual approach to have digital transformation. In order to avoid a drastic reduction in income turnover, the authorities prepared a stimulus for SMEs to live on with the aid of delaying debt repayments to banks. In addition, the government facilitates handle lawsuits consisting of the distribution of disturbed items, and others. Thus, SMEs actors maintain to perform business strategies in order that earnings stays solid. It is predicted that SMEs actors could make strategic business decisions based on information, and be prudent to pursue enterprise monetary control.

In the modern-day conditions, era plays a big position in the sustainability of employer operations. Case in point is by using adopting cloud-primarily based generation through accounting software program. It ease the owners to screen and get admission to monetary reports effectively and at lower priced expenses. In addition, corporations have access to systems that consist of tracking inventory, income, and prices in addition to growing workflows which can store treasured business time. Therefore, cloud-primarily based accounting services may be used as an alternative for businesses to power their business. Efforts must be made to transport SMEs to be a part of the digital economic ecosystem. It may be finished by using presenting possibilities for transformation and innovation.

3. Digital Transformation

In standard, virtual transformation is a radical and comprehensive shift inside the use of generation with the purpose of enhancing enterprise performance. One of virtual transformation definition, virtual transformation is a trade precipitated or motivated by means of using digital generation in each component of human existence. In contrast to, that virtual transformation is as the use of era with the goal to normally improve the overall performance or attain of a business enterprise. Wherein digital transformation is the third and maximum degree of digital abilities finished. It happens whilst the digital use also facilitates innovation, creativity and it encourages vast modifications inside the expert or expertise fields. In addition, digital transformation is “a exchange in all strategies fast due to the fact the needs have to exchange, the operations have to be digital and extended supply chain relationships must be prolonged. Furthermore, it desires useful use of the internet in layout, production, advertising, sales and presentation which is a statistics-based totally management model”. It also consists of protection, simulation, net, cyber protection and block chain. Some of these definitions indicate that there's a comprehensive motivation, innovation and consequences whilst using virtual transformation. Thus SMEs can easily perform virtual design of business version selections, use of information generation and understanding, evaluation, virtual cost network design, also feedback from clients. In addition, setting up obvious verbal exchange between entrepreneurs and information era professionals may be fraud prevention.

Digital transformation for SMEs have to be supported by using governments and stakeholders. It targets to change business fashions and employer operations in a very good way in order to classify themselves into digital maturity categories. These factors can be classified into: employer characteristics, lack of qualified personnel, constrained information of the era wanted, infrastructure, lack of advertising, adoption of ICT and e-trade, loss of generation road maps and ecosystems for virtual transformation, ensuring the surroundings dependable.

Digital transformation is an attempt to boost up commercial enterprise by using the usage of generation equipment and searching at opportunities that may assist enterprise techniques, o that the goal marketplace is wider. When corporations are forced to trade because of a virus, the benefit is they can accentuate promotions thru on line packages. As the result, they could clear up problems in sales and logistics channels. Digital transformation can work if there is a dedication of SMEs, which include in offering products through social media, giving reductions, and so forth. There are 4 matters that may be applied for digital transformation:

- (1) Ensuring commercial enterprise to remain competitive,
- (2) Bringing efficiency in commercial enterprise approaches.
- (3) Increasing customer pleasure and
- (4) Making it easier for commercial enterprise human beings to make various strategic decisions.

Digital transformation may be very beneficial when businesses are pressured to shift, think that online applications can solve issues right now, specifically sales and logistics. The supply chain can start relying on online systems that may connect enterprise people with uncooked supply producers.

There are 3 matters associated with virtual adoption, first, the urgency of digital transformation isn't always pretty much era, however more approximately how groups can compete extra intensively due to the fact it could lessen fees in lots of components. Second, enhancing digital expertise and abilities related to enterprise. The reality is that not all companies want a website, a few simplest want to sell through the best channels. Lack of information often makes virtual transformation decision taken is less suitable to the desires of the enterprise itself. Third, using integrated e-wallet offerings.

4. SURVEY

(Scenarios and Research problems of the virtual surge)

❖ Increasing Digitalization

As the usage of video- and audio-conferencing equipment increases drastically, businesses will ramp up their generation infrastructure to account for the surge. This will cause extended funding in bandwidth growth, community system, and software that leverages cloud services. With employees becoming acclimatized to the idea of labor-from-home (WFH), assembly and transacting online, companies will shift to WFH as a norm as opposed to as an exception. This is being followed by many corporations, which have the virtual infrastructure in area to handle the desired load and bandwidth.

Education is another area in which there a dramatic shift to the online mode of transacting. Since the start of the lockdown, faculties, colleges, and universities around the sector have shifted their lessons to video conferencing structures like Zoom and Google Meet. Along with these synchronous modes of coaching, asynchronous structures like edX and Coursera have also visible an growth in enrolments. Digital transformation technology which include Cloud, Internet-of-Things (IoT), Blockchain (BC), Artificial Intelligence (AI), and Machine Learning (ML), represent a bulk of the of what is being adopted with the aid of corporations as a part of their transformation effort.

As education and healthcare offerings witnesses a shift to the digital area, BCs enable a manner to stable and authenticate certificates, fitness statistics, medical information, and prescriptions. Research at the layout of such systems, along with keeping their ease-of-use and usefulness will gain importance. Another difficulty is that of designing structures that work with smart contracts – how the contracts are authenticated, how these contracts can be designed in a complex chain of procedures with many retailers involved, and how arbitration associated with contracts can be dealt with. Further, IS studies may additionally factor to regulatory elements of BCs in regards to what ought to be encrypted and shared (which include for authenticating news and information assets), and how protection might be managed. For instance, government demand for get admission to to non-public keys to view blocks for surveillance and tracking, as opposed to the necessities of privacy and protection from persecution.

❖ Work-from-home and Workers

The economic system is driven by way of on line systems that hire people on an advert hoc, brief-settlement, and primarily casual basis. Well-recognized examples of those encompass Uber and Airbnb globally and Ola and Swiggy in India. These platforms have grown immensely for the reason that huge availability of smart phones from 2010 onwards. During the lockdown, employees employed with the aid of those platforms have suffered heavily, as the call for for their offerings, taxi rides, rentals, or talent work, has disappeared. Further, since those employees had no assured salaries, their incomes dropped dramatically.

In the submit-pandemic situation, there is probable to be, in the short time period, a gradual return of gig economic system workers, as production and provider firms return to their old activities. However, we anticipate that inside the long term because the danger of contamination and unfold recedes, the gig economy will thrive. This can also be driven with the aid of the WFH subculture.

Work-from-home and workers has obtained attention in IS research, via topics in telecommuting, virtual nomads, and digital teams. One key issue is that of labor allocation and collaboration, throughout and internal teams, and throughout projects. This issue will face a rise in scale and significance inside the put up-pandemic international, because the numbers of WFH and gig people growth. Research may also awareness on components of the design of labor norms, paintings contracts; accept as true with-constructing, and group-building, among others.

❖ **Workplace Monitoring and Techno Stress**

Another aspect of digital use by big sections of the operating population is that of steady place of business tracking and being on-the-task constantly. Those operating from domestic using video conferencing generation discover themselves under severe scrutiny and all interactions are “hyper-centered”. Digital technology makes it less difficult for bosses and executives to call and discover subordinates at any time, understanding that they may be reached always. Though there's anecdotal early proof that this has led to an growth in productiveness, it has also brought about increased technostress, wherein employees must learn new technologies, be available for work at nearly all times, live with digital gadgets all the time, and cope with multi-tasking.

Post-pandemic, it is in all likelihood that people' corporations will demand no-digital hours, in which they will discover shelter from the regular work stress. Research can also deal with the issues of labor equity, balance, and managing strain.

❖ **Online Fraud**

Along with the surge within the use of virtual technologies, we are now witnessing a upward thrust in on line fraud, scams, intrusions, and safety breaches. The pandemic has created a state of affairs of insecurity this is inviting fraudsters to make the most the disaster scenario through extracting cash or statistics or with the aid of developing vulnerabilities. Many customers are starting to rely upon digital assets considerably, a few for the primary time, and are getting objectives for fraud and scams. Organizations and governments are aware about this chance and are taking countermeasures – as an example, a few governments took a sturdy stand in opposition to Zoom classes for schooling, forcing the platform issuer to upgrade protection.

It is probable that these scams and frauds will growth in intensity after the pandemic. Organizations will put into effect big protection preparations, alongside full-size statistics campaigns by means of authorities departments. Security improvements and corporations that provide protection services will upward thrust. Research will in all likelihood consciousness on handling protection; investigate the causes of breaches, and the economic and social loss from them.

❖ **Digital Money**

Digital bills and digital currencies are probably to have a key role in the publish-pandemic situation. As virtual bills are contact-much less they will be endorsed through governments, and will possibly see a surge. This will also be boosted by means of the gig economic system and WFH conditions.

There are wonderful phenomena related to virtual cash that has aided the combat at some stage in the pandemic. First, banknotes and coins have been suspected to be wearing the virus and digital fee turned into desired to the 'grimy cash'. Online shipping offerings have been encouraging customers to make bills via virtual price structures like a credit score/debit card or mobile payments, with mandates by way of the government in several components of India. This is possibly to result in a surge in virtual fee utilization, in an effort to lead to work on the diffusion of virtual fee era. Second, for the duration of the lockdown, there has been a loss of jobs, and governments furnished resource through charge apps and digital price modes. These are a handy mode of fund transfer from donors to recipients, as visible in previous disaster alleviation cases as properly . In diverse disaster and catastrophe activities, where the mobility of civilians was restrained, many mobile price service vendors (e.g. Vodafone in Afghanistan, Safaricom in Kenya, and Orange in Africa) provided quick budget switch of remittances from migrants to their houses, and alleviation aid from the government to victims. This is yet again discovered inside the Covid-19 disaster and needs similarly examination.

5. CONCLUSIONS

Today, virtual enterprise is an crucial a part of the market global, as it is large to meet the needs and necessities of clients. In this context, the advent of digital business is specifically relevant to the financial system given that the availability of online offerings is an critical issue in worldwide opposition. Digital commercial enterprise is one of the most crucial programs regions of new virtual records and conversation technology. Networked Internet programs constitute the sustainable simplification and individualization of verbal exchange and facts brokerage services. In this society, the secondary zone of the financial system is dropping significance due to the fact of the financial gadget is in particular based totally on records era, and no longer on production. As the primary regions of influence of digitalization on the development of overseas monetary activity, we can distinguish the subsequent effects. First, the developing digitization of products and services, the fast improvement of services and products, and the excessive

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innovativeness and progressive dynamics are key factors. Innovation is one of the key figures in the Internet financial system and virtual commercial enterprise. Dynamic changes in the commercial enterprise environment in the Internet financial system lead to innovations which can be going on shorter and intermittently. Therefore, organizations must have widespread adaptability within the market. Secondly, the essential driving elements of the marketplace are increasing its transparency, growing market fragmentation, decreased market entry and switching limitations (particularly within the digital services area) and disintermediation. Third, consumer's empowerment additionally topics. This alternate within the enterprise surroundings particularly issues the customers themselves. Modern information and conversation technologies have made possible the developing transparency of accountability of moves, as well as the possibility that clients can proportion their goals and evaluations and unite in social networks and groups. Customers now not handiest require more involvement in production and design but also up to date B2C collaboration. Here, groups have to function, as an instance, through presenting a greater transparent shape of production, management and improvement through the mixing of clients.

REFERENCES

1. https://www.ds.unipi.gr/et&s/journals/16_1/14.pdf
2. <https://www.ijeat.org/wp-content/uploads/papers/v8i5C/E10790585C19.pdf>
3. <https://education.com>