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МУНДАРИЖА

Шарипов Конгратбай Аvezimbetovich, Каримова Ширин Зохид қизи ЭЛЕКТРОН ТИЖОРАТНИ РИВОЖЛАНТИРИШ ТЕНДЕНЦИЯЛАРИ	6
Eshov Mansur Po'latovich, Abdullayev Munis Kurbonovich, Rizayeva Farangiz Xoldorovna BLOCKCHAIN TEKNOLOGIYALARINING OLIY TA'LIM TIZIMIDA QO'LLASH AFZALLIKLARI	11
Абдурахмонова Гулнора Қаландаровна, Зарипов Баҳодир Бобомурод ўғли ТИЗИМЛИ ЁНДАШУВ АСОСИДА БУЛУТЛИ ТЕХНОЛОГИЯЛАР ХИЗМАТЛАРИНИ ТАНЛАШ БҮЙИЧА ҚАРОРЛАРНИ ҚЎЛЛАБ-ҚУВВАТЛАШ МЕТОДОЛОГИЯСИ	19
Yuldashev Maqsudjon Abdullayevich, Maxmudov Abbos Sherali o'g'li, Homidov Hamdam Hasan o'g'li IQTISODIYOTNI RIVOJLANTIRISHDA RAQAMLI TEKNOLOGIYALARDAN FOYDALANISH SAMARADORLIGI	26
Акбаров Нодир Гафурович, Вафоев Бобуржон Расулович, Юсуфжанов Нурмуҳаммад Жаҳонгир ўғли СПОРТ МАРКЕТИНГИННИНГ ЗАМОНАВИЙ ТЕНДЕНЦИЯЛАРИ	33
Abduvohidov Abdumalik Mahkamovich, Parpieva Rano Abdurasulovna FOREIGN EXPERIENCE IN ORGANIZING REMOTE BANKING SERVICE	39
Abdulakhmatov Muzaffar Mashrabjon ugli, Jaloliddinova Madina Sirojiddin kizi THE MAIN IMPACTS OF DIGITAL TRANSFORMATION ON SMALL TO MEDIUM-SIZED BUSINESS ENTERPRISES	43
Абдуллаев Мунис Курбонович, Абдурахмонова Барно РАҶАМЛИ ИҚТИСОДИЁТНИ РИВОЖЛАНТИРИШДА ХОРИЖИЙ МАМЛАКАТЛАР ТАЖРИБАСИ	48
Абидов Абдужаббор Абдухамидович ДИАГНОСТИКА СОСТОЯНИЯ И ВОССТАНОВЛЕНИЯ РАБОТОСПОСОБНОСТИ СИСТЕМ РЕАЛЬНОГО ВРЕМЕНИ	54
Алимов Раимжон Ҳакимович, Шамсиева Ф.М. ҚИШЛОҚ ҲЎЖАЛИГИГА КИРИТИЛАЁТГАН ИНВЕСТИЦИЯЛАРНИ МЕВАСАБЗАВОТ ЕТИШТИРИШГА ТАЪСИРИНИ МОДЕЛЛАШТИРИШ ВА ПРОГНОЗЛАШ	59
Амирор Лочинбек Файзуллаевич, Аскарова Мавлуда Турабовна СТРАТЕГИЧЕСКИЕ ПЕРСПЕКТИВЫ РАЗВИТИЯ АГРАРНОГО СЕКТОРА РЕСПУБЛИКИ УЗБЕКИСТАН	65
Ахунова Маърифат Ҳакимовна ЯНГИ ЎЗБЕКИСТОННИНГ РАҶАМЛАШУВИ: МУАММО ВА ЕЧИМЛАР	74
Ashurov Zufar Abdulloevich, Butikov Igor Leonidovich MULTIPLE LISTING SERVICE – A DIGITAL TECHNOLOGY FOR REAL ESTATE MARKET OF UZBEKISTAN	78
Бекмуродов Н.Х. ИНСОН РЕСУРЛАРИНИ СТРАТЕГИК БОШҚАРИШДА ЗАМОНАВИЙ ТЕХНОЛОГИЯЛАР ВА УЛАРНИ ТАТБИҚ ЭТИШ ЙЎЛЛАРИ	82

Davletova Durdona, Buranova Jazira	
DIGITAL ECONOMY: INFLUENCE IN ECONOMY DURING THE PANDEMIC	86
Дадабаева Раъно Акрамовна	
ФОРМИРОВАНИЕ СТРАТЕГИИ ОРГАНИЗАЦИИ В УСЛОВИЯХ ГЛОБАЛИЗАЦИИ ..	91
Jamalova Gulnora Gulomovna, Aymatova Farida Khurazovna	
DIGITAL ECONOMY AS A NEW PERIOD OF GLOBALIZATION	94
Жаҳонгиров Илимдоржон Жаҳонгиржон ўғли	
МАМЛАКАТИМИЗДА СОҒЛИҚНИ САҚЛАШ МУАССАСАЛАРИНИ МОЛИЯЛАШТИРИШ ТИЗИМИ САМАРАДОРЛИГИНИ ОШИРИШ ЙЎНАЛИШЛАРИ	100
Zhukovskaya Irina Evgenievna, Khashimkhodzhaev Sharafutdin Ishankhodzhaevich	
THE MAIN DIRECTIONS FOR IMPROVING THE QUALITY OF HIGHER EDUCATION IN THE CONTEXT OF DIGITAL TRANSFORMATION	109
Зарипова Мукаддас Джумайёзовна	
ПРОФЕССОР-ЎҚИТУВЧИЛАР ТАРКИБИ СИФАТИНИ БАҲОЛАШ КЎРСАТКИЧЛАРИ ВАЗН КОЭФФИЦИЕНТЛАРИНИ АНИҚЛАШДА ЭКСПЕРТ СЎРОВ УСУЛИДАН ФОЙДАЛАНИШ	114
Karimova Shirin Zohid qizi	
ELEKTRON TIJORAT DO'KONLARIDA 3D TEKNOLOGIYALARINI QO'LLASH	125
Касимов Азamat Абдукаримович	
САНОАТ 4.0 НИНГ РИВОЖЛАНИШИ ВА УНИНГ ИҚТИСОДИЁТНИ РАҚАМЛАШТИРИШДАГИ ЎРНИ	129
Кодиров Фаррух Эргаш ўғли, Мухитдинов Х.С.	
АҲОЛИГА ТИББИЙ ХИЗМАТ КЎРСАТИШДАН ОЛИНГАН ДАРОМАД ВА ХАРАЖАТЛАРНИ БИЗНЕС ИННОВАЦИОН МОДЕЛИ	136
Кулматова Сайёра Сафаровна, Рихсимбаев Одилжон Кабилджанович	
ВОПРОСЫ ЦИФРОВИЗАЦИИ МАШИННО-ТРАКТОРНЫХ ПАРКОВ В СЕЛЬСКОМ ХОЗЯЙСТВЕ	142
Kuchkarov Tahir Safarovich, Sultanov Ruslan Rustamovich	
RESEARCH AND DESIGN STRUCTURE AND FORMAL MODEL OF INFORMATION SYSTEM FOR MANAGING EDUCATIONAL SYSTEM AND E-CONTENT DESIGN BASED ON ELEMENTS OF ARTIFICIAL INTELLIGENCE	147
Мирзакаримова Мухаббатхон Махмуд қизи	
БАРКАМОЛ АВЛОД БОЛАЛАР МАКТАБЛАРИ ТИЗИМИ УЧУН МУЛЬТИМЕДИАЛИ МАСОФАВИЙ ТАЪЛИМ ПЛАТФОРМАСИНИ ИШЛАБ ЧИҚИШ	156
Назаров Дмитрий Михайлович, Шкрадюк А.Д.	
ТЕХНОЛОГИЯ OSINT: ОБЗОР СЕРВИСОВ С ОТКРЫТЫМ ИСХОДНЫМ КОДОМ	167
Nuraliev Faxriddin Murodillaevich, Giyosov Ulugbek Eshpulatovich, Ibodullaev Sardor Narsiddin o'g'li	
TA'LIMNING VIRTUAL OLAMDAGI KO'RINISHI UCHUN 3D OBEKLTLARNI JOYLASHTIRISH VA FOYDALANISH USULLARI	172

Nursaidov Nurmukhammad Yashnar ugli	
USING MOBILE DEVICES FOR LANGUAGE LEARNING	177
Olimov Maksudjon Komiljon ugli	
SPECIFIC CHARACTERISTICS OF MODERNIZATION OF INDUSTRIAL PRODUCTION BRANCHES AND IMPLEMENTATION OF “INDUSTRY 4.0” CONCEPT .	183
Ортиков У.А.	
СУЩНОСТЬ И НЕОБХОДИМОСТЬ ПОВЫШЕНИЯ ПРОИЗВОДИТЕЛЬНОСТИ ТРУДА В ЦИФРОВОЙ ЭКОНОМИКЕ	188
Отажанов Умид Абдуллаевич, Нуруллаева Шахноза Тохтасиновна, Сайдуллаева Саодат, Исакова Наима	
ҲУДУДЛАРНИНГ ИЖТИМОЙ-ИҚТИСОДИЙ САЛОҲИЯТИНИ ЗАМОНАВИЙ БАҲОЛАШ УСУЛИНИ ТАДБИҚИ	193
Паязов Мурод Максудович	
ХИЗМАТЛАР СОҲАСИНИ РАҶАМЛИ ТРАНСФОРМАЦИЯЛАШ: МУАММО ВА ЕЧИМЛАР	201
Пилипенко Елена Федоровна, Белалова Гузаль Анваровна	
ИСПОЛЬЗОВАНИЕ ТЕХНОЛОГИЙ ИСКУССТВЕННОГО ИНТЕЛЛЕКТА В МАРКЕТИНГОВОЙ ДЕЯТЕЛЬНОСТИ ПРЕДПРИЯТИЙ	207
Рӯзиева Диlobар Исомжоновна	
РАҶАМЛИ ИҚТИСОДИЁТ ШАРОИТИДА КИЧИК БИЗНЕС СУБЪЕКТЛАРИ ФАОЛИЯТИНИ РАҶАМЛИ ТЕХНОЛОГИЯЛАР АСОСИДА РИВОЖЛАНТИРИШ ЙЎНАЛИШЛАРИ	214
Сабиров Ойбек Шавкатбекович, Эргашова Наргиза Бобохоновна	
ҚИШЛОҚ ХЎЖАЛИК МАҲСУЛОТЛАРИ ИШЛАБ ЧИҚАРИШНИ РИВОЖЛАНТИРИШДА РАҶАМЛИ ТЕХНОЛОГИЯЛАРДАН ФОЙДАЛАНИШ	219
Сайдназаров Фирдавс Абдуллоевич	
КОРХОНАЛАРДА УЗОҚ МУДДАТЛИ МОЛИЯВИЙ СТРАТЕГИЯНИНГ АМАЛИЙ- УСЛУБИЙ АСОСЛАРИ (Ўзбекгидроэнерго АЖ мисолида)	227
Салайев Расул Шавкатович	
ТИЖОРАТ БАНКЛАРИДА РАҶАМЛИ АКТИVLAR МУОМАЛАСИННИНГ КОНЦЕПТУАЛ ЁНДАШУВЛАРИ ВА ЎЗИГА ХОС ХУСУСИЯТЛАРИ	237
Темиров Абдулазиз Алимжанович	
АКЦИЯДОРЛИК ЖАМИЯТЛАРИ ФАОЛИЯТИГА РАҶАМЛИ БОШҚАРУВНИ ЖОРИЙ ЭТИШ ИСТИҚБОЛЛАРИ	249
Тўҳсанов Қудратилло Нозимович	
ПАНДЕМИЯДАН КЕЙИНГИ ДАВРДА РАҶАМЛИ МОЛИЯЛАШТИРИШНИ РИВОЖЛАНТИРИШНИНГ ЗАМОНАВИЙ ИМКОНИЯТЛАРИ	254
Файзиева Муяссарзода Ханчаровна	
РАҶАМЛИ ТЕХНОЛОГИЯЛАРНИ ЎЗБЕКИСТОНДАГИ ТИЖОРАТ БАНКЛАРИ ФАОЛИЯТИГА ТАЪСИРИНИ БАҲОЛАШ	259
Файзулаева Нилуфар Садуллаевна	
ИНТЕРНЕТ-ТЕХНОЛОГИИ И РАЗВИТИЕ ОБРАЗОВАНИЯ	268
Хашимова Дилёра Паҳритдиновна, Мирзиёдова Гульнозахон Аюбхон кизи	
ИСПОЛЬЗОВАНИЕ ИНСТРУМЕНТОВ ЦИФРОВОГО МАРКЕТИНГА ДЛЯ ПОВЫШЕНИЯ ЭФФЕКТИВНОСТИ ПРОЦЕССА ПРОДВИЖЕНИЯ ТОВАРОВ ТОРГОВОГО ПРЕДПРИЯТИЯ	272

Хидиров Темур Қаҳрамон ўғли	
СУТНИ ҚАЙТА ИШЛАШ КОРХОНАЛАРИНИ РАҶАМЛИ ТЕХНОЛОГИЯЛАР ВА КЛАСТЕР ТИЗИМИ АСОСИДА РИВОЖЛАНТИРИШ	278
Xodjayeva Mavlyuda Sabirovna, Saydakhmedova Barno Batirovna	
TA'LIMDA RAQAMLI TEKNOLOGIYALARDAN SAMARALI FOYDALANISHNING АНАМИYATI	285
Хужакулов Хайтмурат Джавлиевич, Аюбжанов Аббас Хасилович	
ЎЗБЕКИСТОНДА ИҚТИСОДИЁТ ТАРМОҚЛАРИ РИВОЖЛАНИШИНИ СТАТИСТИК БАҲОЛАШДА РАҶАМЛИ ТЕХНОЛОГИЯЛАРДАН ФОЙДАЛАНИШ	293
Хакимова Мухаббат Файзиевна, Тўрабеков Фарход Санақулович	
ЭЛЕКТРОН ТАЪЛИМ МУҲИТИДА АРАЛАШ ЎҚИТИШНИ ТАКОМИЛЛАШТИРИШ	300
Shermuxamedov Abbos Toirovich, Ablazov Lazizbek Abdijosimovich	
OLIY TA'LIMDA BULUT TEKNOLOGIYALARING IMKONIYATLARI	306
Shoaxmedova Nozima Xayrullayevna, Abdullaeva Iroda Maxmudjanovna, Mannanova	
Shaxida Gaybullayena, Yusupova Dilbar Mirabidovna	
SUN'IY INTELLEKT YORDAMIDA SOXTA KONTENTLARNI ANIQLASH USULLARI ..	311
Юлдашев Абдухаким Абдукаримович	
КИЧИК ЁФ-МОЙ КОРХОНАЛАРИДА ТАЪМИНОТ ЗАНЖИРИНИ БОШҚАРИШДА РАҶАМЛИ ЛОГИСТИК ЭКОТИЗИМЛАРИДАН ФОЙДАЛАНИШНИ САМАРАДОРЛИГИ	317
Yuldasheva Nilufar Abduvakhidovna	
THE CONCEPT OF THE STRATEGY OF INNOVATIVE AND TECHNOLOGICAL DEVELOPMENT OF INDUSTRIAL ENTERPRISES IN THE DIGITAL ECONOMY	322
Юлдошев Улугбек Аскар ўғли	
РАҶАМЛИ ИҚТИСОДИЁТ ШАРОИТИДА ЖИСМОНИЙ ТАРБИЯ ВА СПОРТ СОҲАСИДА ДАВЛАТ-ХУСУСИЙ ШЕРИКЛИК	327
Юсупов Мухиддин Соатович	
УКРЕПЛЕНИЕ ПРОДОВОЛЬСТВЕННОЙ БЕЗОПАСНОСТИ ПУТЕМ РАЗВИТИЯ ЦИФРОВОГО И УМНОГО СЕЛЬСКОГО ХОЗЯЙСТВА В УЗБЕКИСТАНЕ	334
Юсупов Мансур Махамаджон угли, Шоахмедова Нозима Хайруллаевна	
АНАЛИЗ СОВРЕМЕННОГО СОСТОЯНИЯ КИБЕРБЕЗОПАСНОСТИ В РЕСПУБЛИКЕ УЗБЕКИСТАН	345
Якубов Максадхон Султаниязович, Шарифжанова Нилюфар Муратжановна	
МЕХАНИЗМЫ РЕАЛИЗАЦИИ МЕТОДОЛОГИИ УПРАВЛЕНИЯ В СИСТЕМЕ ПОДГОТОВКИ РАЗРАБОТЧИКОВ ПРОГРАММНОГО ОБЕСПЕЧЕНИЯ	352
Асадов Жасур Абдужабборович	
РАҶАМЛИ ИҚТИСОДИЁТ ШАРОИТИДА АҲОЛИНИНГ МОЛИЯВИЙ САВОДХОНЛИГИНИ ОШИРИШГА ОИД ХОРИЖИЙ ТАЖРИБА	361
Homidov Hamdam Hasan o'g'li, Vafoyev Boburjon Rasulovich, Maximov Abbos Sherli o'g'li	
SUN'IY INTELLEKT TEKNOLOGIYALARINI QISHLOQ XO'JALIGI FAOLIYATIDA TADBIQI	367
Norboeva Nafisa Erkinovna	
EFFICIENT USE OF CLOUD TECHNOLOGIES IN THE ACTIVITIES OF ENTERPRISES AND ORGANIZATIONS	372

THE MAIN IMPACTS OF DIGITAL TRANSFORMATION ON SMALL TO MEDIUM-SIZED BUSINESS ENTERPRISES

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Annotation

This paper is based on the main impacts of the digital economy to small size business enterprises. And it is illustrates how increasing the role of ICT sector in among small to medium - sized business enterprises.

Keywords

digital transformation, digital economy, economy, enterprises, application, information communication technologies and global economy

Introduction

Beginning of the 21st century, the revolutionary impact of information and communication technologies manifested itself in a change in the way of life of people, in business, in a new approach to education, work, and in the interaction of government and civil society. Digital transformation (DT) is the process of redefining the entire business strategy by adopting the latest and emerging digital technology in driving the business through strategic plans and organizational change to augment the revenue and provide substantial value.

Digital transformation has a growing impact on Small to Medium-sized Enterprises (SME) business and IT ecosystems and offers new and prolific opportunities to participate in the global economy. Enterprise Applications Providers, Technology and Infrastructure vendors have realized and capitalized on the power of innovative technologies like Cloud, Big Data, Mobile, Social, Sensors, etc., considering next-gen solutions are being developed with the nexus of these forces. Expanding internet access and growing smartphone users are bound to change the future of the world economy. Digital transformation has brought a paramount shift to the traditional ways of manufacturing, handling, storing and transporting things. Digital transformation lies in leveraging new technologies to ensure scalability and elasticity demanded by customers.

The below stats shows the estimated IT expenditure of small-to-medium-sized enterprises (SMEs) worldwide in 2017, 2018 and 2021. In 2021, SMEs are expected to spend 684 billion US dollars on IT hardware, software, and services, including business services, worldwide.

In this modern era of all things digital, it is interesting to note how traditional small businesses have adopted digitization. Chitale Dairies from India is a live example. They took their “cows to the cloud”, yes! Dairy farming with cloud computing is exactly what they have implemented. RFID (Radio Frequency Identification) tags on the cows collect vital information on the animals’ health, nutrition, etc., the data is then virtualized, interpreted and insights are sent to the farmers via SMS. They can then look after their animals better to yield the best quality milk.

Digitized SMEs are capable of diversifying consumer segments in a short period compared to offline businesses by

- a. Increasing revenue;
- b. Providing access to higher customer base;
- c. Increasing operational efficiency;
- d. Enhancing customer experience;
- e. Let's dive into these metrics:

Related research

Increase in Revenue. The most important objective of a business is revenue, the higher the revenue, the higher the growth of the business. A gigantic impact is seen in businesses after Digital transformation especially in terms of revenue. SMEs that adopted technology showed high profitability. It is proved that the profits of online businesses grew by 19% yearly and offline business revenue grew by 10% according to the KPMG report.

These stats clearly show that digital transformation has incentivized SMEs in terms of revenues.

Accessibility to Higher Customer Base. Having only the offline presence limits an enterprise form market reach. Customizing technology and having an online presence leads to remarkable opportunities for SMEs to grow and up their game in local and overseas markets.

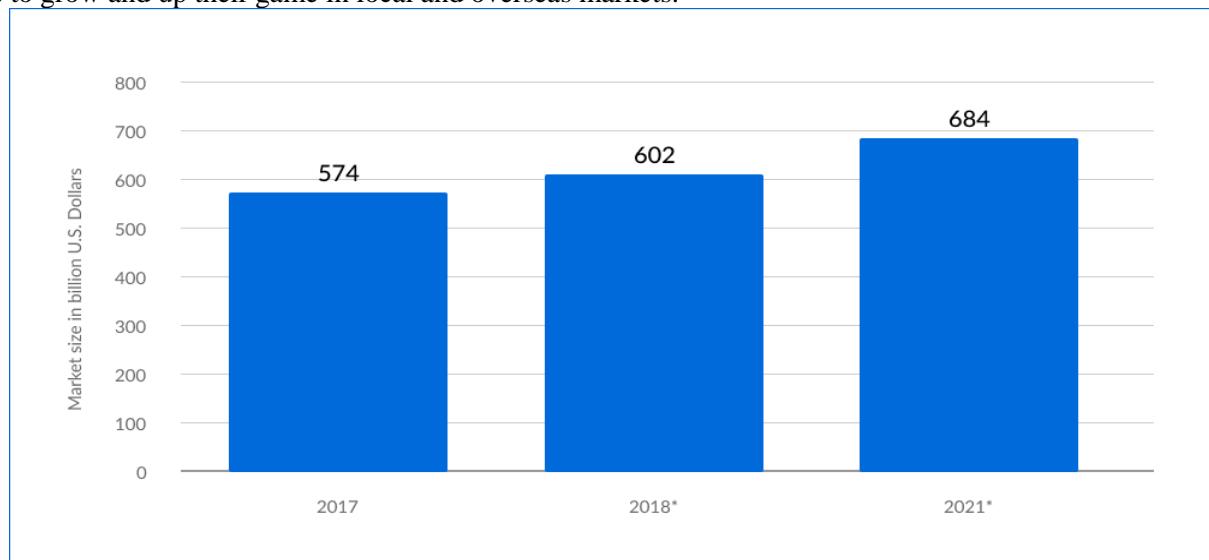


Figure 1. The statistics of the market size in the world in 2017, 2018 and 2021

Increased digital engagements allow SMEs to explore new markets, enabling them to compete with the top giants in the industry. E-Commerce platforms expand geographical boundaries by engaging in enhanced customer experience and provide support for better supply chain solutions. This allows companies to sell 24/7 and increase their customer base rapidly with limited operational costs.

An important observation is that 100% of India's high-web SMEs have e-commerce presence and 75% of the low-web SMEs have adopted online presence. A similar trend can be observed when drawing comparisons with other developing countries that can be seen in the below figure. This implies that even SMEs with a limited online presence and trifling in the developing markets are beginning to realize the potential of having an online presence.

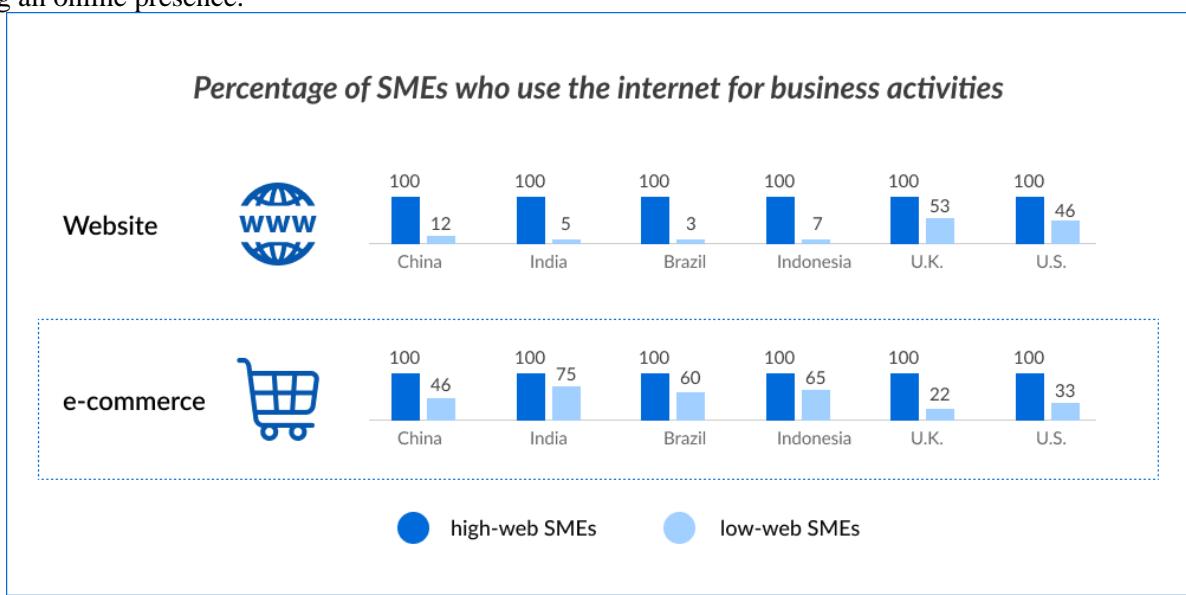


Figure 2. Percentage of SMEs who use the internet for business activities between websites and e-commerce

True to the evidence! Forrester's Series report predicted that 2017 will see many organizations moving their focus on technology to enhance the customer experience. The report further added that the next wave of customer experience will impact companies, pointing to a clear correlation between customer experience and revenue growth. Cliff Condon, chief research and product officer at Forrester, once said "Our research shows that more than a third of all US online adults want new and engaging digital experiences. They will switch companies to find these experiences and being customer-obsessed can be your only competitive strategy".

Analysis and results

Increased Operational Efficiency. A report by Tech Mahindra found that new digital technologies can reduce operational costs by 20 – 30 percent through improved capital and labour utilization.

Digital transformation allows SMEs to decrease overall expenditure by optimizing operational and marketing costs. IT-driven smart tools and techniques such as Information and Communication Technology (ICT), Digital Integrated Production Planning, Shop Floor Control, Supply Chain Solutions, Cloud-based ERP have increased the operational efficiency of SMEs in the current environment.

Let's plunge into some stats on Information and Communication Technology (ICT). According to a Malaysian report on the "Digitalisation Survey of SMEs in 2018", About 79.7% of the respondents realized the significance of ICT adoption and its role in improving business productivity and efficiency. The survey revealed that productivity is directly proportional to the utilization of digital tools. For example, SMEs that incorporated data management services to store, organize, store, display data of business operations, sales and customer information have seen productivity up to 60%, compared to SMEs that utilized e-business and social media initiatives that increased productivity to only about 27% and 26% respectively.

The figure below shows the usage of ICT among SMEs that mainly comes from personal devices, such as smartphones (91.4%), basic internet connection (90.1%) and computer or laptop (86.5%). The usage of back-end business processes, such as ERP and CRM are very low among SMEs.

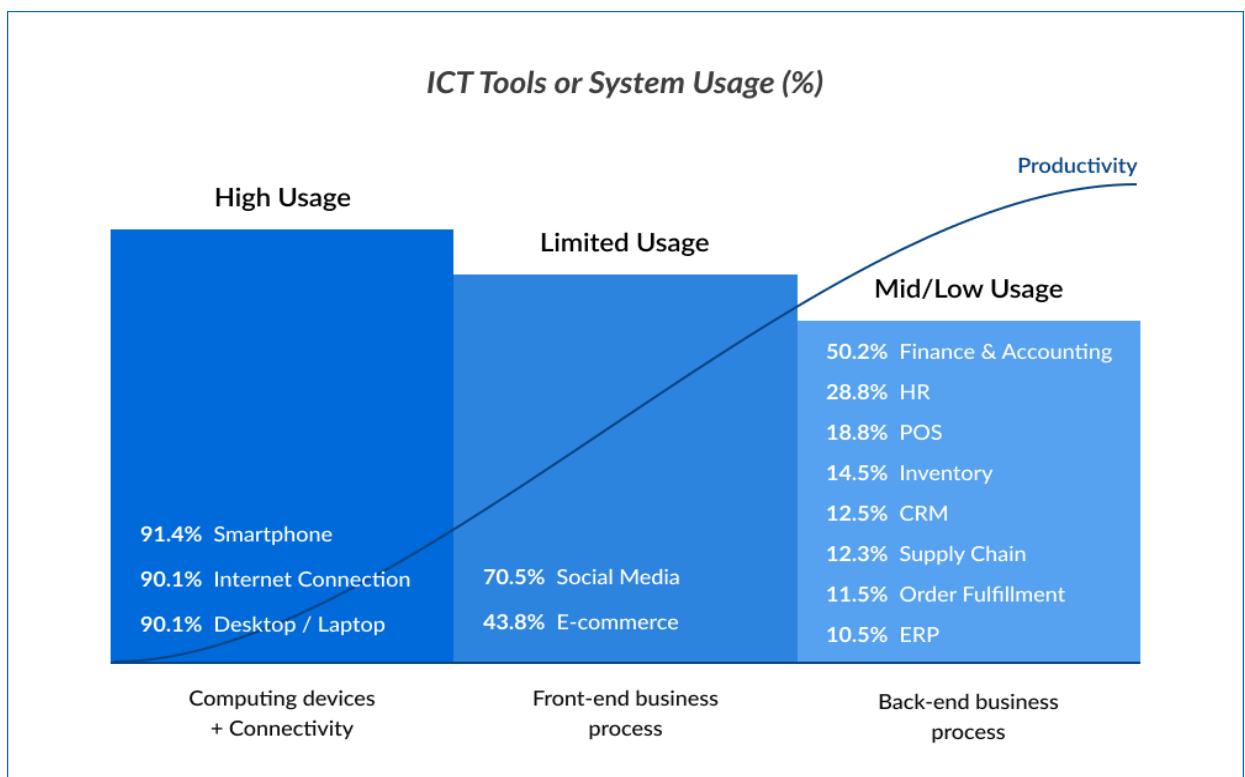


Figure 3. ICT Tool or System Usage in 2021 in the world

Enhanced Customer Engagement. Business intelligence and data analytics have laid opportunities for SMEs to make better decisions by providing a deeper understanding of the customers. Using customer intelligence and insights to analyze and predict customer needs, designing new products that meet their requirements and clever delivery of the right products at the right time at a cost-effective price has revamped SMEs with next-generation customer engagement capabilities.

The advent of cloud-based solutions and freemium models, where basic software is provided for free, whereas functionality, virtual goods or proprietary functions may be charged; have enabled the SMEs to develop capabilities and enhance the customer experience.

SMEs play a vital role in the operations and profitability of E-Commerce platforms. Acknowledging this, E-Commerce giant Flipkart has signed MoU with the Federation of Indian Micro and Small and Medium Enterprises (FISME) and National Center for Design and Product Development (NCDPD) in 2014. This agreement allowed the website to provide infrastructural support in data analytics, marketing, and customer acquisition to help SMEs scale their business.

Invasion of Digital Marketing. Nowadays, Most of the young and talented entrepreneurs crave for innovation and are risk-takers. Many SME owners in recent times have entered the market with a dive into the online marketing methods with digital marketing as their primary source of acquisition as it promotes their business at a low cost. SMEs mainly use social media to promote their business. The ruling social media handlers that have helped businesses in the promotion are Facebook, Instagram, Google, etc. According to Statista, a market research report, about 65% of SMEs consider social media advertising effective and 51% of small enterprises rely on social media to grow their business.

“Digital marketing has made a huge impact on SMEs in terms of productivity”.

Some of the DM techniques that benefited SMEs:

Campaigns like CPC (Cost per Click) or PPC (Pay Per Click) modes can be utilized to achieve the desired results and to enhance profits for the SMEs.

Helped SMEs to search for flexible market potential in the global scenario which would directly affect their sales and make more profits.

Digital Marketing is considered to be the most cost-effective method to reach out to the targeted audience.

SMEs can also come in direct contact with the experts in this field who are in constant touch with the recent updates or advancements. By doing so, they can assure optimum ROI (Return on Investment).

With the use of effective DM techniques, SMEs are given the freedom to make the necessary changes in their ongoing online marketing campaigns as the need would arise.

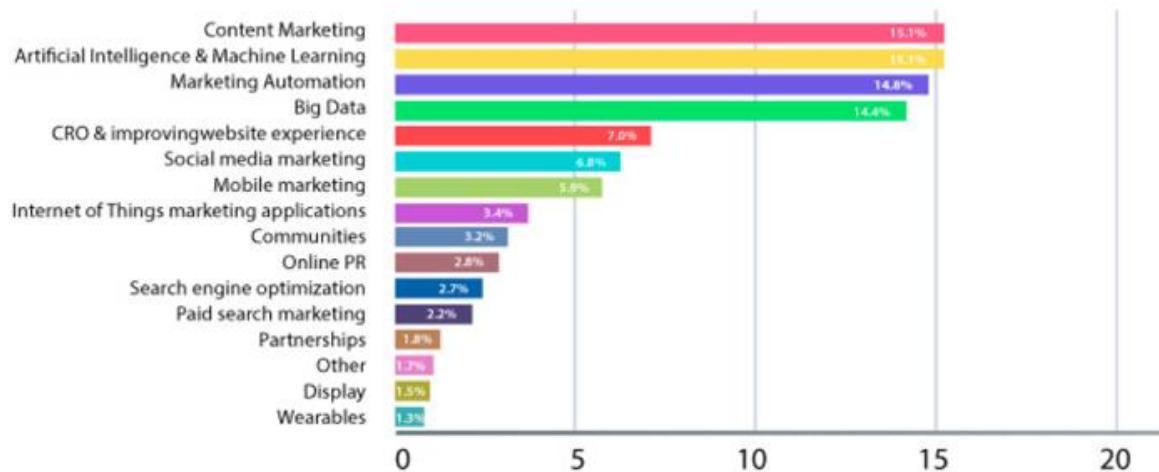


Figure 4. Top rated Digital Marketing techniques for SMEs in 2021

Digital transformation has amplified the prospect of operations for Small and Medium-sized Enterprises. The major impact after digital transformation is that several non-tradable services are now tradable, which has helped offline businesses to explore more options online.

In this vibrant economy, consumers expect quality “digital” accessibility, convenience, and personalization in all their business dealings. Customers aged under 35 prefer digital over other traditional methods, to explore and transact online. So, SMEs need to get ready, with the lace tied to serve “digital natives” as digital transformation has become the need of the hour.

Conclusion

Digital Transformation Services from doodle blue offers digital transformation through a variety of services like Digital Strategy, Digital Marketing, Data & Analytics, Technology & Ecosystem Audit to help our clients transform the way their business interacts with changing digital landscapes by creating trust quotient

and engagement. Digital transformation brings a new dimension in the business world with innovation, creativity, and strategies that bring prodigious results.

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РАҚАМЛИ ИҚТИСОДИЁТ ВА АҲБОРОТ ТЕХНОЛОГИЯЛАРИ
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