

Is Pakistan Ready for Digital Revolution

Outline

1. Introduction

2. Overview of digital situation in Pakistan and efforts toward digital revolution.

3. Pakistan is ready for digital revolution.

3a) Pakistan has initiated e-governance.

(Punjab and Sindh government ^{Portals} ~~mode~~)

3b) Digital means are being utilized in political landscape.

(Digital platforms were used in political campaigns of 2024 elections)

3c) Pakistan is trying to boost its economy through digital revolution.

(ICT services contributed upto 2.5 bn \$ in GDP)

3d) Digital and modern technologies are being preferred in agriculture sector.

(Journal of remote sensing ^{on} use of drones)

3e) Digital printing is revolutionizing fabric production in textile industries.

(A study of textile journal: over 50% of investment in digital printing)

3f) Human rights are being protected through digital reforms.

(Citizen's portal initiative in 2019)

3g) Health sector is undergoing digital transformation

(Digital x-rays, marham.com and oladocs)

3h) Digital technology help to protect climate related disasters.

(Weather and flood forecasting apps)

3i) Digital technologies are already protecting crimes and making laws easier to implement

(Digital security cameras and digital traffic signals)

3j) Education is being easy with digital revolution.

(Virtual universities, Learning Management System)

3k) Digital marketing is replacing traditional marketing.

(Daraz, Drive-in, Ober)

4. Future prediction regarding digital revolution.

5. Conclusion.

In contemporary world of competition, technology is spreading like a wildfire. No country can pursue progress by neglecting digital revolution. Same is true for Pakistan. Digital landscape of Pakistan shows profound improvements which reflects its dedication and interest regarding digital revolution. Pakistan is trying to compete others in its digital technology progress. Pakistan has initiated e-governance model at both federal and provincial levels.

Moreover, it has gained remarkable benefits from digital revolution in political landscape. Furthermore, Pakistan is trying to boost its economy by using digital technologies. Like-wise, modern digital technologies in agriculture sector, enhancement of digital printing

in textile industries and protection of human rights by using digital technologies are major achievements of Pakistan. With continuous advancement of digital technology in governance, political, economic, social, and education and other such sectors, it can be said that Pakistan is ready for digital revolution.

Current standing shows that the country has not neglected the emerging need of digital revolution. The way in which our country had controlled COVID-19 using digital technologies in campaigns, agendas, hospitals and safety nets reveals that Pakistan has already accepted the dire need of digital revolution.

Moreover, the government of Pakistan has shifted its concern toward digitalizing all most all sectors; it has realized it as easy and beneficial step toward country's progress. Hence all these steps show solid dedication of the country towards digital revolution.

Government of Pakistan has initiated e-governance model at both federal and provincial level. This step has been proved beneficial as it made governance, management, coordination and administration easy for government. Now, besides federal government portal, every province has its own portal i.e., Sindh government portal and Punjab government portal. This has made management and accessibility easy for all. Hence, initiation of e-governance model in Pakistan reveals that the country is ready for digital revolution.

Likewise, digital means are being extensively using in political landscape of Pakistan, showing country's dedication toward digital revolution. From presenting manifest to political campaigns, politicians had relayed on digital technologies. In 2024 elections, political parties made broadcast

channels on social media applications. These steps helped a lot as they minimized the disturbance caused by massive gatherings. Thus, political landscape getting too much benefits of technology indicates Pakistan's dedication toward digital revolution.

Moreover, Pakistan is trying to boost its economy by investing in digital technology. From manufacturing to distributing, from purchasing to ~~work~~ selling all steps are being managed digitally. Pakistan has invested in digital technology sector, as a result, Information and Communication Technology (ICT) services has contributed upto 2.5 billion dollars in country's GDP. This indicates the importance of digital technology and our country's interest toward digital revolution. Hence economic growth through ICT services shows that Pakistan is ready for digital revolution.

Digital and modern technologies are being utilized in Agriculture sector. Digital technology machineries and gadgets has not only increased farming easy but also increased yield. Journal of remote sensing was released by a research institute of Pakistan which mentioned the use of drones in monitoring lands and fields. Likewise, a number of other technologies are being practiced in agriculture sector of Pakistan, highlighting its readiness for more advancement in digital technology.