

BMSW 4003

DIGITAL SKILLS IN HEALTHCARE

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**HEALTH AND
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Executive summary

The technology has been an essential part of the human's life and it is equally important in the health and social sector. The report includes the importance of technology in the healthcare and its benefits. The report also provides the information about the use of technology in the era of Covid- 19. Further, the report includes the use of digital communication and collaboration and participation to share the information and knowledge, the technology also provides the online platform for the professional and learners to develop their skills and knowledge. The report also identifies the need for digital well-being and digital safety to protect the personal data and at last it includes the use of technical proficiency for data handling and sharing information.

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Introduction

The technological environment is a dynamic and fastest-growing sector and the technology is also used for healthcare services and the technology is improving the healthcare services and providing various opportunities for growth and development. The report consists of the use of technology in healthcare and includes the use of digital technology for communication and for developing skills and knowledge. Technology provides individuals a digital platform for sharing information and connecting and it also includes the use of technology for career development and for enhancing skills. It also includes the use of technology for using information and data handling and guides individuals to protect their personal information on digital platforms.

The use of contemporary technology in health care

The technology is used in healthcare and it is providing great support to the doctors to provide the best services and treatments to the patients. Technology has made the services effective some devices help the doctors to monitor the health of the patients and the technology helps the doctors to identify the diseases and problems of the patients (Oortwijn and van, 2016).

The use of information technology plays an essential role diagnostic process; it is used for capturing the information of patients, clinical decision support, testing the results, etc. it has also made it easier for the hospitals and labs to store the information of the patients. The information gathering, storage of information, using technology for the treatment of the patients, communication, etc. has made the healthcare service less costly and available for everyone. Technology and the use of analytics and big data have made the care of patients easy, safe and reliable, the doctors can now use technology and devices to measure the health of patients and to ensure that the right medical services are provided to patients and they are properly treated. Technology has also made people more aware and informative about their health, people are now more concerned for their health because of information available to them due to technology and they are also using various devices to measure their health. The technology has made overall improvements in the health sector (Oortwijn and van, 2016).

The use of technology during COVID-19

The technology has played an essential role in controlling the Covid-19, the technology helped with surveillance testing, tracing the symptoms in patients, and providing effective medical care services to the patients (Haleem and Javaid, 2020). Big data and analytics helped the professionals to track the spread of the disease and helped to collect the data of individuals through mobiles, migration maps, etc. it helped to track the spread of disease and helped to control the disease. Various hospitals used the technology to report real-time data of Covid-19 patients and other measures like the use of ventilators, beds vacant for the patients, availability of resources for treatment, etc.

The technology also helped to identify the recovery rates of the patients and maintain the data of patients. It also helped to connect with the doctors and professionals to know the situation and for taking relevant actions. The technology helped to identify the spread of the disease and it was used for planning and executing the policies and procedures. It also assisted in managing the crises due to pandemic more effectively and it was used in other industries as well for

continuing the work and for running the business smoothly. Technology is termed to be a lifeline and savior in the era of pandemics and it was effectively used to overcome crises (Haleem and Javaid, 2020).

The use of digital communication, collaboration, and participation

Digital communication, collaboration, and participation in the way of interacting with others by using digital technology and platform (Benetoli et al., 2018). It aims on connecting with people through technology from different locations; it allows people for sharing ideas and information. Some of the tools used for communicating are emails, social media platforms and video conferencing, etc.

It allows the professional to conduct meeting online, share files and information, and also helps in business development. It also promotes online learning through online classes, webinars, online tutors and lectures, etc., and helps the individuals to learn new skills and helps in enhancing their knowledge (Benetoli et al., 2018).

In the healthcare sectors, digital technology helps the patients to connect with the doctors to take medical prescription and also helps the doctors and other health professional to connect and sharing information like medical reports, etc. it is helping the doctors to connect worldwide and it also promotes the development of healthcare facilities. Digital technology is also effective for self-care and provides knowledge and information about health and helps the patients to provide feedback regarding the services. Technology has made access to healthcare services through online platforms and minimized the restrictions of location (Benetoli et al., 2018).

Digital identity, well-being, and safety

Digital identity- digital identity is information that exists online and it can be about an individual, organization, or any device. The digital identity can be detected by the unique identifiers and it can be used by the advertisers or the owners of the website to show advertising and targeted content to the individuals. The owners or the advertisers track the personal information of the user created by the users while online actions (Laurent and Bouzefrane, 2015).

Digital well-being- digital well-being is the healthy use of digital technology and digital resources. Digital well-being helps people to build a healthy relationship with the technology and digital platforms by providing necessary tools for using the technology in an effective way to

fulfill their goals and avoid its impact on the health and relations of the individual (Burr et al., 2020).

Digital safety- digital security guides the individual to protect their personal information from predators (Riel et al., 2017). It is used to protect the information from Scams, thefts, etc. the individual can protect the personal information by using the following measures-

- Make purchases from relevant and secure websites.
- Choose strong passwords for protecting personal information.
- Keeps the privacy setting on while operating any device.
- Use a secure internet connection and practice safe browsing.
- Be careful while downloading or posting and also use antivirus software on your device for digital safety.

It is important to use digital safety and digital well-being measures for protecting personal information and avoiding overuse of the technology (Riel et al., 2017).

The use of digital literacy for professional career development

Professionals have access to digital tools and technology for learning and self-development and to communicate an abundance of information (Hobbs and Coiro, 2016). Digital literacy is the ability to use technology, and other communication tools for evaluation, creating, and using information. It is also the ability of a person to effectively perform the task and doing work in the digital environment. Digital literacy also helps the professional to acquire new skills and knowledge for career development and for improving their efficiency and productivity.

In the dynamic environment, the need for learning new skills has increased with the help of technology the professionals can learn new skills, there is no restriction of time and location. The benefits of digital literacy are-

- It helps to create online content for teaching and guiding the learners.
- It effectively helps in creating and sharing knowledge.
- The professional can use digital tools for communicating, learning, and problem-solving.
- It also helps to find and evaluate the online content and resources.

To work in a dynamic and technical environment the professionals need to develop their skills and knowledge and they can use technology and digital tools for their career development.

Digital literacy is also helping the health care sector, the professionals and doctors can access the information and it is also helping them to enhance their skills and knowledge (Hobbs and Coiro, 2016).

The relevance of technical proficiency for information, data handling

Technical skills help the employees to work effectively and help them in understanding the information and data (Dineshkumar et al., 2016). Every business needs the employees to be skilled in technology and must have knowledge for handling data and effectively using the data. The technology sector is one of the fastest-growing sectors and has a great demand for skilled employees.

In the healthcare sector, technical proficiency can be used for assuring the quality and control of the services provided to the patients, the data handling can be used for maintaining the records of patients and to track their health and medical status and results. The data can also be used for research and evaluation and the information can help in developing the skills of the professionals. The technical proficiency will be helpful for the overall development and management of health care facilities (Dineshkumar et al., 2016).

Conclusion

The report gives detailed information about the use of technology in the health and social care sector and explains the use of technology during the Covid-19. Additionally, the report contains the details of the use of technology for communication and guides for digital well-being and digital safety. Further, the report consists of the use of digital technology and resources for learning and career development and involves the relevance of technology for sharing information and data handling. Technology is helping the health sector in improving the services and providing affordable medical services to everyone. Technology has become an essential part of the human life and it is also creating great opportunities for developing new measure for the treatment of the patients.

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