



Module - Digital Skills and Research Methods
BMSW4003

THE USE OF TECHNOLOGY, DIGITAL TOOLS, AND TECHNIQUES TO IMPROVE EFFICIENCY FOR HEALTHCARE SECTOR

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OVERVIEW

Today will be focusing about the relevance of how digital literacy for healthcare practitioners and professionals and how it's been impacting their living, learning, working, participating, and succeeding in a digital society.

- The use of contemporary technology in healthcare (diagnostic, administrative and care support).
- The use of technology during Covid-19
- The use of digital communication, collaboration, and participation
- Digital identity, well-being, and safety
- The use of digital literacy for employee well-being and their professional career development (Teaching, e-learning and self-development)
- The relevance of technical proficiency for data and information handling

THE USE OF CONTEMPORARY TECHNOLOGY IN HEALTHCARE (DIAGNOSTIC, ADMINISTRATIVE AND CARE SUPPORT).

The future of healthcare is shaping up right in front of our eyes with advances in digital healthcare technologies.

CISCO Portfolio for Healthcare

- Powering inclusive care for all.
- CISCO is committed to providing you with the finest possible assistance as you reinvent care for the future.
- There's a link between picturing a better future and making it a reality.
- For over 20 years, Cisco's approach to healthcare has been empowering organizations to take on new challenges. They have placed more than 17,000 healthcare organizations on cutting edge of technology-enabled care.



(Portfolio explorer for healthcare, 2022)



Transform your workplace Heighten security & compliance

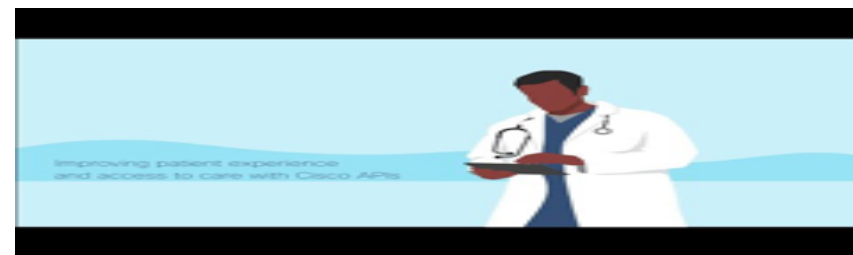


Deliver care anywhere Make data-driven care decisions

CISCO

Cisco is a trusted technology partner in healthcare.

- They securely connect providers, patients, and staff with transformative technologies that power inclusive care for all.



Every experience matters when it comes to health. Every step of the way, Cisco technology improves patient and provider experience.

TECHNOLOGY USE DURING COVID-19 PANDEMIC

- The use of Computerized Tomography Machines (Vishnu, Ramson & Jegan, 2020) for enhanced X-Rays and CT scans.
- The use of electronic health records systems for efficient and effective management of patients' records.
- Wearable devices (smart hand bands / watches) for ease of disease identification and general health checks (Yang, Gentile, Shen, & Cheng, 2020).
- Use of Health Insurance Portability and Accountability (HIPAA) compliant tools (PAHO, 2020).
- PCR test machines for identifying the infection status of patients.

TECHNOLOGY USE DURING COVID-19

- Consumption of digital content instead of traditional newspapers.
- The use of digital communication tools for lectures and business meeting's including Zoom and Microsoft Teams
- The use of drones, robots, and AV technology improved the delivery of medical accessories and supplies to reduce human interaction.
- Bluetooth and GPS technology was improved to help in monitoring the health levels of patients.
- More mobile applications were developed to help improve education, healthcare delivery, and business development such as Covid-19 tracker app, Real-time visualizations and maps, and contact tracing apps (Mending et al., 2020)

The use of digital literacy for employee well being and professional career development

What is digital literacy
why is it important for employee?

What is digital literacy why is it important for employee?





The relevance of technical proficiency for data and information handling

- What is technical proficiency
- Why is it so important?

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