

Digital Skills and Research Methods.

Certificate of Higher Education in Health and Social Care

- MODULE CODE: LCHS4002
 - MODULE LEADER: AMITAVE BANIK.
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- RESEARCH TOPIC: THE USE OF DIGITAL LITERACY FOR EMPLOYEE WELL-BEING AND THEIR PROFESSIONAL CAREER DEVELOPMENT . (teaching, e-learning and self-development).

PURPOSE OF DIGITAL LITERACY

- ▶ Digital literacy's purpose can be analysed using smartphones, readers and many more. (Martzoukou,2020).
- ▶ It allows for navigating critical cases.
- ▶ Communication is very easy for solving issues.



EMPLOYEE WELL BEING

- ▶ It can be improved by digitalisation by using smartphones and readers.
- ▶ Health and care can transfer data and communicate within digital technology (Zeike *et al.*, 2019).
- ▶ Improved by the identification of the data and information.



PROFFESIONAL CAREER DEVELOPMENT

- ▶ It helps to utilise the tools through communication, collaborative performance and solving the problems (Radovanovic *et al.*, 2020).
- ▶ The use of digital literacy in career development to enhance communication with critical cases.
- ▶ It also helps to manage the patients and their data with the communication channel and quick decision-making process.



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- Research Topic: The use of digital communication, collaboration, and participation

Communication, collaboration, and participation

- ▶ Digital communication is about conducting medical assessments or interdisciplinary meetings through digital platforms such as Teams, Zoom, or Google Meet
- ▶ The digital platforms could offer the best form of communication and collaboration and ensure the partnership between healthcare professionals and patients. (Muthuppalaniappan and Stevenson, 2020)



Benefits

- Reducing inefficiencies
- Improving access
- Reducing costs
- Increasing quality

(What is Digital Health?, 2022)

Disadvantages

- Cybersecurity risks
- Impersonal patient-doctor interaction
- Frustration with poor implementation

(The Disadvantages of Technology in Healthcare, 2022)

Conclusions

- ▶ Cost/Patient Outcome
- ▶ Recruiting talent
- ▶ Benefit and risks balance
- ▶ Goal



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The Relevance Of Technical Proficiency for Data And Information Handling

- ▶ Information handling is essential for the healthcare sector.
- ▶ Disclosing can be a bad result for the patient and the hospital's reputation.
- ▶ The information understands the patient's condition, which is very confidential.
- ▶ It helps to ensure the privacy and security of the patient.

Technical proficiency of Data

- ▶ The use of technical expertise for data to develop the report for the patient.
- ▶ It is also used for collecting employee information and system analysis.
- ▶ This skill helps to analyse the reports of the individual patient.
- ▶ It helps managing the accountancy.

Digital Skills and Research Methods

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Research Topic: The use of contemporary technology in healthcare .
[diagnostic, administrative and care support]



Use of contemporary technology

- ▶ Contemporary technology is a transaction of commercial activities with the application of information technology.[Zhang et al.2021]
- ▶ Technology has become a crucial part of the health care sector as it is associated with diagnostic ,administrative and care support.
- ▶ Today every health care service contains some use of technology.

Continue

- ▶ Professional like doctors started practicing health care services with the proper application of the technology [Rahman et al.2021]
- ▶ The use of techology has gone to such an expent that people need to book doctors online,and also ,in many cases ,doctors treat the patient through online portals.
- ▶ Technology is playing a role not only in treating the patient but also in enducating the student.



Conclusion

- ▶ The role of digital platforms and technology is crucial in the health care industry.
- ▶ Modern technologies are making every health care services more effective and available for the people.



Digital Skills and Research Methods

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Research Topic: The use of technology during the Covid-19 Pandemic



The use of technology during the covid pandemic

- ▶ Recently the world has experienced a pandemic called Covid-19
- ▶ Covid-19 pandemic has spurred a wave of new technology adoption in UK business
- ▶ Changes implemented helped doctors and healthcare professionals to communicate with people more regularly
- ▶ The pandemic has accelerated digital transformation
- ▶ Technology has helped to monitor and control the Covid-19 pandemic physical distancing



The use of technology during Covid-19 pandemic

- ▶ Face to face vs Virtual communication
- ▶ The adoption of Telehealth and Virtual care
- ▶ How this changes impact relationship with patients
- ▶ Technology for distant work and distant learning
- ▶ Data Control and Protection of Patients information



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