

DIGITAL SKILL AND RESEARCH METHOD

Submitted By

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INTRODUCTION

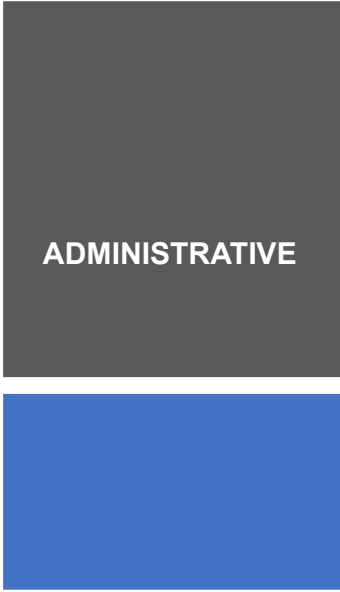
- **SUBJECT: DIGITAL SKILLS AND RESEARCH METHODS**

- **Module Code:** LCHS4002
- **Student Name:** Lisa Nartey
- **Student ID:** 2129395
- **Module Leader:** Amitave Bank

- **Research Topic:** The use of contemporary technology in healthcare (diagnostic, administrative and care support)

DIAGNOSTICS

- **Virtual Reality**, is now increasingly used to treat and managed a variety of mental illness and conditions, from stress to anxiety to dementia and autism. (H. Burke, 2022)
- **Neurotechnology**, covers all the components developed to understand the brain, visualise and even control, repair or improve it functions. (Burke, 2022)
- **Artificial Intelligence**, has proven to be extremely valuable in early detection of diseases and faster, accurately diagnostics. (Burke, 2022)
- **3D Printing**, can be used to print pills containing multiple medications, which will help patient organised time and monitor multiple medication. (H. Burke, 2022)

The graphic for the Administrative section consists of two stacked rectangles. The top rectangle is dark gray and contains the word 'ADMINISTRATIVE' in white, uppercase letters. The bottom rectangle is a solid blue color.

ADMINISTRATIVE

- **Electronic Incident Reporting System**, are web-based systems that allow healthcare providers involved in security incidents to voluntarily report such incidents. Alotaibi Federico(2017)
- **Telemedicine**, Telemedicine is defined as the use of telecommunications technology to facilitate patient-provider or provider-to-provider communication. Alotaibi Federico(2017)
- **Automated medication dispensing technology**, An automated dispensing cabinet (ADC) is an electronic medicine cabinet that stores medication at the point of care, controls dispensing, and tracks medication dispensing. Alotaibi Federico(2017)
- **Bar code medication administration**, A barcode medication management system is an electronic system that combines electronic medication management records with barcode technology. Alotaibi Federico(2017)

The graphic for the Care Support section is a large, light blue rectangle. It features a large, semi-transparent circle on the left side. The words 'CARE' and 'SUPPORT' are written in white, uppercase letters, with 'CARE' positioned above 'SUPPORT'.

CARE SUPPORT

- **Electronic Health Record**, As far as patient records are concerned, the introduction of digital technology has been a blessing. In the past, large paper documents were moved from one department to another.
- **Telehealth**, There are still many parts of the world that are rural and lack healthcare providers. An important benefit of digital technology is video conferencing.
- **Online Education**, Another important benefit of digital technology is the availability of online education, especially when it comes to healthcare-related degrees.
- **Health Apps**, The digital revolution has also led to the development of hundreds of health apps.



Digital Skills and Research Methods

Modules code: (LCHS4002_LON)

Lecturer Name: Amitave Banik

Student Name : Sangeda Taj Jabin

Student Id : 2134003

Topic: The Use Of Digital communication
, Collaboration and Participation

Digital Communication

Digital communication is a capacity to communicate effectively in digital media and space. example- Email, texting, fax, video conferencing

Use digital communication: Support learning eg through webinars, tutorial, mentoring, online lecture, chat

Advantage: Its very fast efficient and convenient

Error can be corrected, cheap to. Buy, save time

Compatibility and flexibility

Maintain privacy in private communication

Design digital communication for different purpose and audiences

Disadvantage: Power consumption, sampling error, unreliable

Tool of Digital Communication:

Zoom, skype, Microsoft team, Google meet etc.



Digital Collaboration

❖ Digital collaboration in collaborating with digital team and working group by using technology and Digital device

❖ Our smartphones, tablet, laptop, and cloud technology have given rise to remote working, diversifying the talent pool and allowing teams to work more efficiently

Important of digital collaboration

- Quick access to information
- Knowledge sharing
- Being independent of time
- Increased team productivity
- Creates a sense of community
- Improves team interaction

Benefits of digital collaboration in the workplace

- Faster execution of ideas
- Leads to both personal and professional development
- Faster problem solving

Digital Participation

- The capacity to participate in facilitate and build digital network
- Attain in digital networks with learner and teacher
- Participate actively in social media relevant to professional role-facebook, twitter, linkedin
- Sharing, learning, teaching materials, presentation,
- Facilitate and build new network
- Assisting learner group and network



Digital Skills and Research Methods

- **Module Code: LCHS4002**
- **Student Name: Adriana Veselinova Nikolova**
- **Student ID: 2129394**
- **Module Leader: Amitave Banik**

- **Research Topic: The use of digital literacy for employee well-being and their professional career development (Teaching, e-learning and self-development)**



The Use Of Digital Literacy

❖ **What is digital literacy?**

Digital literacy is the technology in 21st century.

It delivers better access in the workplace.

Understand better the technology.

❖ **Employee well-being.**

Easy to use and access online, emails.

Can check information about patience.

Easy for employee to study and research information.

❖ **The use of digital literacy in the health care sector.**

Teaches how employees can work with technology.

Giving them the ability of new skills. Easy to communicate with patience.

❖ **Why it is important?**

Helps employee to give better attention to the clients. Everyone can interest of it.

Employee Professional Career Development

❖ What is professional career development?

The plan in which you can provide more stable understanding how to take care of your patient's needs. Know your duty much well.

❖ Employee Self-development.

- Observe online courses , or in the field
- Go to a meeting within the workplace
- Do volunteering work, read articles
- Got more than 1 experience skills.
- Create Personal Development Plan.

❖ E-learning.

You can find all the information online.

Improve your IT skills. Take tests online to memories what you have learn.

❖ Teaching.

Explain or show your experience to another employee .



The Relevance Of Technical Proficiency For Data And Information Handling

• **Data and information handling**

- Sharing of data
- Collection data and information
- Store record of data
- Analysis of data

Skill for data and information Handling

- **Data analysis skill:** Ability of research data and examine for pattern to reach goal.
- **File and account management:** Able to organize folders and files, know how to upload, copy ,download document and files.
- **Handing and managing database software:** Capable to effectively navigate database software, understanding how to locate records.



Continue..

- **Design and planning database:** Able to understand database design and how to analyze and store different types of data.
- **Data integrity :** Aware of potential weaknesses when using and analyzing data
- **Communication:** Good communication channel with colleagues help to review data,communicate effectively with vendors.

References

- Ahmed.M.et al, [International Journal of Computer Science and Mobile Computing, Vol.5 Issue.1, January-2016, pg. 183-190(The Impact of Digital Communication on Social Networks)](Accessed.1st august 2022)
- Kattoush.H.2005,(Book digital communication.)(Accessed 25th July 2022)
- Oğrak.H.2020<(DIGITAL COLLABORATION & DIGITAL ADVERTISING TOOLS) (Accessed.25th July 2022)
- Deloitte,2013 (Digital collaboration delivering innovation productivity and happiness)(Accessed. 1st august 2022)
- (H. Burke) Top 10 new medical technologies [Online] Available at: www.proclinical.com/blogs/ Accessed: (23 July 2022).
- (Abtaibi Y. and Federico F.)The impact of health information technology on patient safety [Online] Available at: <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc5787626/> Accessed: (23 July 2022).
- Health Management (n.d.) The impact of digital technology on healthcare [Online] available at: www.healthmanagement.org/c/cardio/news/the-impact-of-digital-technology-on-healthcare Accessed: (23 July 2022).
- Biz marrow technology [Online]Available at: <https://www.bizmarrow.com/importance-of-digital-literacy-in-the-workplace> (Accessed: 10th August 2022)
- Dr Nicole (18th January 2021) LinkedIn [Online] Available at: <https://www.linkedin.com/pulse/professional-development-nurses-why-its-so-important-dr-nicole> (Accessed:12th August 2022)
- Victoria O'Regan (5th July 2021) How to Support Professional Development in Health and Social Care [Online Article] Available at: <https://www.highspeedtraining.co.uk/>(Accessed:12th August 2022)

THANK YOU

Any Questions?