

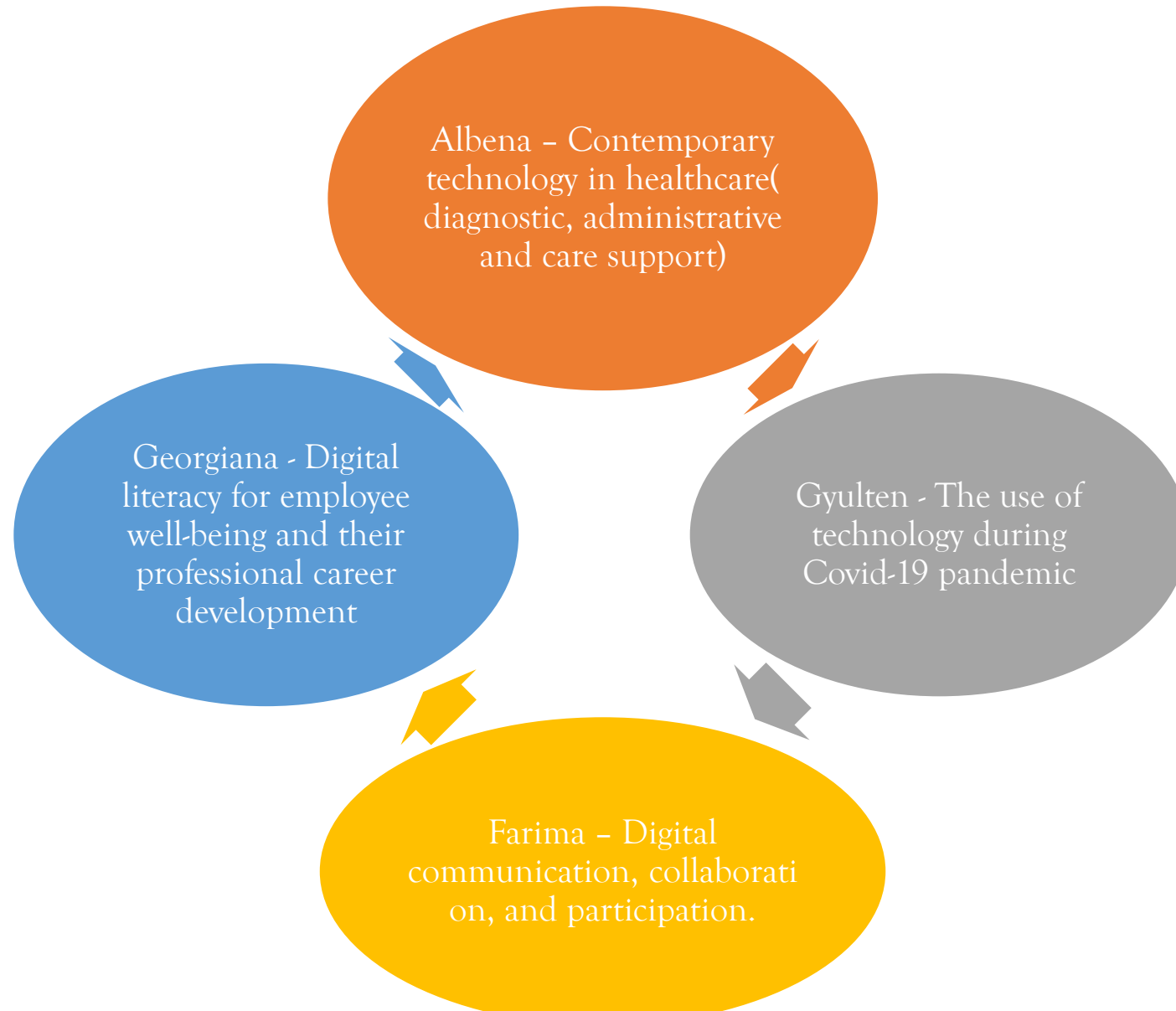
Group Presentation

Digital Skills and Research Methods(LCHS4002_LON)

Lecturer: Koushik Modak

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OUR TOPICS





DIGITAL SKILLS AND RESEARCH METHODS

Lectured :

Koushik Modak

LCHS4002

Presenter :

Albena Vassileva

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USE OF CONTEMPORARY TECHNOLOGY IN HEALTH CARE

Digital Health



Contents

Technologies :

Telemedicine

Wearable technology

Augmented and virtual reality

Electronic medical record

Reduction in medical errors

Reduction in costs

Benefits of digital technology

The benefits to patients and carers include :

Improved self-care for minor ailments

Improved self –management of long -term conditions

Improved take –up of digital health tools and services

time saved through accessing services digitally

costs saved through accessing services digitally

Reduced loneliness and isolation



The benefits for the health and care system

Lower cost of delivering services digitally

More appropriate use of services, including

Primary care and urgent care

Better patient adherence to medicine and treatments





CONCLUSION

Those **who** are **digitally** excluded **risk** missing
out on the benefits.

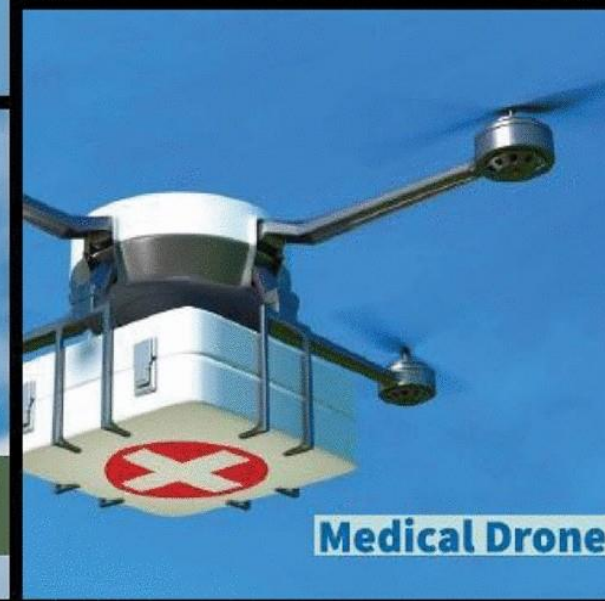


The use of technology during the Covid19 pandemic

Gyulten Harla: 2133453

(Saher & Anjur, 2021)

- **1.Dron Technology**
- *Remote control by a human operator*
- *Piloted by an autonomous robot (Saher & Anjur, 2021)*
- **2. Usability of drones during Covid 19 pandemic**
- *Drones as telemedicine and transfer units*
- *Drones for surveillance and screening*
- *Drons for public announcements*
- *Drones for disinfecting places*
- *Medical drones*
- *Thermal imaging drone (Mondal & Mitra, 2022)*



Robots

treat a patient without
coming in contact with
the infected patient
directly

disinfect the
contaminated zones
with ultraviolet ray

foodservice to
increase safety

(Mondal & Mitra, 2022)





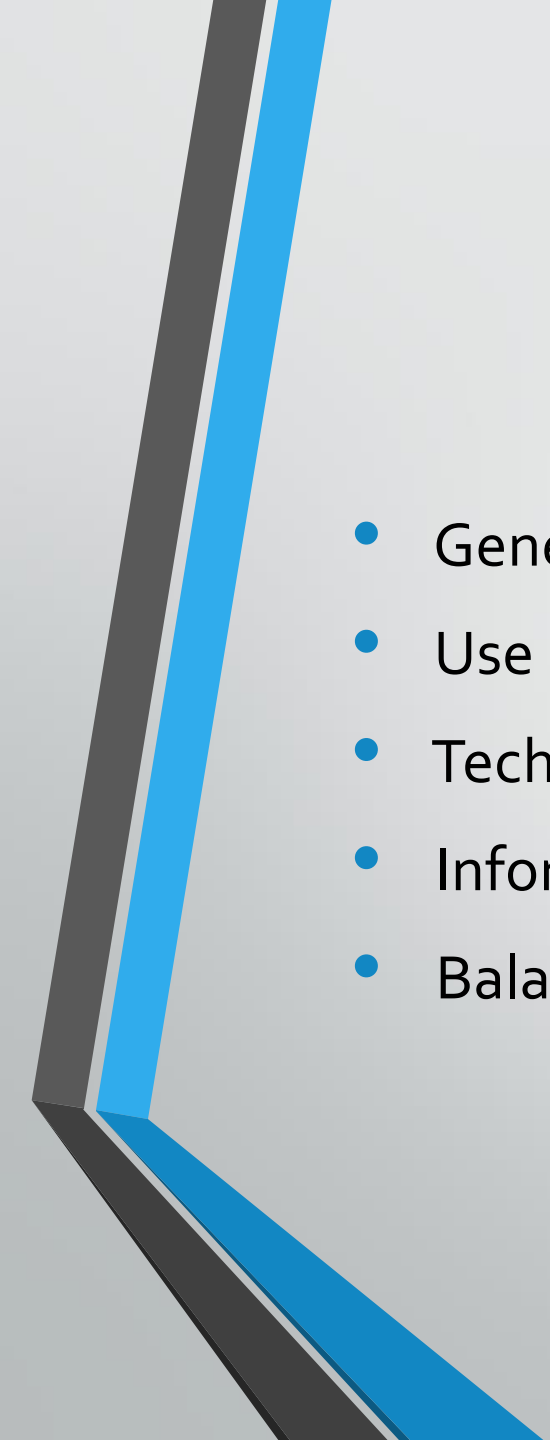
Farima Resooli / 2133334

The use of digital literacy for employee well-being and their professional career development (teaching , e-learning and self-development)



six key domains help to improve the digital literacy of the health and social care workforce.

- Communication, collaboration and participation
- Teaching, learning and self-development
- Information, data and media literacies
- Creation, innovation, scholarship
- Technical proficiency
- Digital identity, wellbeing, safety and security. As part of the digital literacy work.



Digital literacy competences

- General knowledge
- Use in everyday life
- Technology mediated communication and collaboration.
- Information processing and management.
- Balanced attitude towards technology.



The use of digital communication, collaboration participation in Health Care

- Cloud computing
- Hospital platform's



Collaboration

- Video conferences
- Microsoft Team



REFERENCES

- Fadahunsi KP, O'Connor S, Akinlua JT, Wark PA, Gallagher J, Carroll C, et al. May 2021 "Information Quality Frameworks for Digital Health Technologies: Systematic Review". *Journal of Medical Internet Research*. **23** (5): e23479. [doi:10.2196/23479](https://doi.org/10.2196/23479). [PMC 8167621](https://pubmed.ncbi.nlm.nih.gov/33835034/). [PMID 33835034](https://pubmed.ncbi.nlm.nih.gov/33835034/).
- Chen CE, Harrington RA, Desai SA, Mahaffey KW, Turakhia MP June 2019 "Characteristics of Digital Health Studies Registered in ClinicalTrials.gov". *JAMA Internal Medicine*. **179** (6): 838–840. [doi:10.1001/jamainternmed.2018.7235](https://doi.org/10.1001/jamainternmed.2018.7235). [PMC 6547144](https://pubmed.ncbi.nlm.nih.gov/30801617/). [PMID 30801617](https://pubmed.ncbi.nlm.nih.gov/30801617/).

References

- Mondal, S., Mitra, P.(2022) The Role of Emerging Technologies to Fight Against COVID-19 Pandemic: An Exploratory Review. *Trans Indian Natl. Acad. Eng.* **7**, 157–174. <https://doi.org/10.1007/s41403-022-00322-6>
- Saher R, Anjum M.(2021) Role of technology in COVID-19 pandemic. *Researches and Applications of Artificial Intelligence to Mitigate Pandemics*. 109–38. doi: 10.1016/B978-0-323-90959-4.00005-5. Epub 2021 Apr 30. PMCID: PMC8084752.

references

- Susan Kennedy, Jo Yaldren / Published Online:4 Sep 2017 / <https://doi.org/10.12968/bjca.2017.12.9.428>
- Janssen, José; Stoyanov, Slavi; Ferrari, Anusca; Punie, Yves; Pannekeet, Kees; Sloep, Peter (October 2013). "Experts' views on digital competence: Commonalities and differences". *Computers & Education*. **68**: 473481. [doi:10.1016/j.compedu.2013.06.008](https://doi.org/10.1016/j.compedu.2013.06.008). [hdl:1820/4986](https://hdl.handle.net/1820/4986).

- **<https://www.bluejeans.com>**
- **Journal of medical Internet
research, 2011, Vol.13 (3), p.e67-
e67**