Reference

1. M. Desai, J. Hart, and T. Richards, E-learning: paradigm shift in education, Education, 129(2), 2008, 327-334.

2. J. Guilar and A. Loring, Dialogue and community in online learning: lessons from Royal Roads University. Journal of Distance Education, 22(3), 2008, 19−40.

3. T. Newby, D. Stepich, J. Lehman, and J. Russell, Instructional technology for teaching and learning: designing instruction, integrating computers, and using media (Columbus, OH: Prentice-Hall, 2000).

4. P. Furr, R. Ragsdale, and S. Horton, Technology"s non-neutrality: past lessons can help guide today"s classrooms, Education & Information Technologies, 10(3), 2005, 277-287.

5. M. Watson, (1998). Blame the Technocentric artifact! What research tells us about problems inhibiting teacher use of IT, in G. Marshall, & M. Ruohonen (Eds.), Capacity Building for IT in Education in Developing Countries, (1998), 185-192.

6. E. Pedretti, J. Mayer-Smith, and J. Woodrow, closing of the gender gap in technology enriched science education: a case study. Computers & Education, 35(1), 2000, 51-63.

7. A. Heide, and D. Henderson, Active learning in the digital age classroom, (Heinemann, 2001).

8. R. Kumar, and A. Kaur, Internet and its use in the engineering colleges of Punjab, India: a case study. Webology, 2(4), 2005, 1-22.

9. M. Cross, and F. Adam, ICT policies and strategies in higher education in South Africa: national and institutional pathways. Higher Education Policy journal, 20 (1), 2007, 73-95.

10. F. Lawrenz, A. Gravelu, and A. Ooms, Perceived helpfulness and the amount of technology in science and mathematics classes at different grade levels, School Science and Mathematics, 106(3),2006, 133-139.

11. U. Eric, S. Drier, S. Harper, and M. A. Timmerman, Promoting appropriate uses of technology in teaching preparation, Contemporary Issues in Technology and Teacher Education, 1(1), 2000, online serial.

12. T. OShea, and J. Self, Learning and teaching with computers. (Brighton: Harvester Press, 1983).

13. Dawes, L. (2001). What stops teachers using new technology? Issues in Teaching using ICT. London: Routledge.

14. Miller, J., W., Martineau, L. P., & Clark, R., C. (2000). Technology infusion and higher education: Changing teaching and learning. Innovative Higher Education, 24(3). doi: 10.1023/B: IHIE.0000047412.64840.1c. 227-241.

15. Plump, T., Anderson, R. E., Law, N., & Quale, A. (2009) Cross-national information and communication technology: policies and practices in education. Charlotte, N. C.: Information Age Publishing.

16. Vasimalairaja et al. (2019). Effectiveness Of Technology Enabled Learning For Higher Secondary Students. International Journal of Science & Technology Research Volume 9, issue 04, April 2020.

Research tool used:

Questionnaire developed by Preeti Ujjaineeya (2022). This questionnaire consists of 20 multiple questions-

Choose one appropriate ICT tool, which can be used to understand following topic:

1. Growth of a plant / seed germination process.

a) Spreadsheet

b) Wikipedia

c)Animation

d) Image

2. Thermosetting plastic / plastic -

a) e - Dictionary

b) Social media

c) Web search

d) Personal observation

3. Fossil fuel

a) Video

b) Image

c) Note app

d) Personal observation

4. Wildlife sanctuaries and biosphere reserves

a) Radio

b) Blog

c) Video

d) e – Dictionary

5. Red data book

a) Image

b) world wide web (www)

c) Audio clip

d) Animation

6. Numbers of cells in a human body

a) Calculator

b) Computer software

c) Abacus

d) Weighing machine

7. Cell structure

a) Audio clip

b) Image

c) e-dictionary

d) Video

8. Life cycle of frog

a) Animation

b) Blog

c) Radio

d) Social media

9. Effect of voice change

a) Blog

b) Audio clip

c) Image

d) Animation

10.To know the condition of baby (infant) in a mother womb

a) Sonography

b) X-ray

c) MRI scan

d) CT scan

11. Human body temperature

a) BP monitor

17. Reflection of light

a) Audio

b) Animation

c) Social media

d) Image

18. visually challenged student can learn through

a) Image

b) Video

c) Audio

d) Blog

19. Phases of Moon

a) Radio

b) Image

c) e-dictionary

d) Note app

20. Measure light year

a) Digital clock

b) Radar

c) Ultrasonic

d) meter scale