

**DSE-02F : Discipline Specific Elective - 2
Technology and Health**

**B.A. (Hons.) Humanities & Social Sciences - Semester IV
Cluster Innovation Centre, University of Delhi**

| Credit Distribution, Eligibility and Pre-requisites of the Course | | | | | | |
|--|---------|---------------------|---|---|----------------------|--|
| Course Title & Code | Credits | Credit Distribution | | | Eligibility Criteria | Pre-requisite |
| | | L | T | P | | |
| Technology and Health (UPC: 3123102012) | 4 | 1 | 0 | 3 | Class XII Pass | Students must be familiar with the concepts (or related concepts) taught under Technology & Society (DSC-02) |

L = Lecture; T = Tutorial; P = Practical/Practice; UPC = Unique Paper Code

Learning Objectives

The learning objectives of this course are as follows:

- To make students aware about the role of technology in the assessment, diagnosis and treatment in healthcare.
- To encourage students to use technology for health promotion in society.

Learning Outcomes

Upon completion of this course,

- students will be able to design innovative strategies that will educate the public on the role of technology in assessment, diagnosis and treatment in healthcare.
- students will be skilled in using technology for health promotion in society.

Outline of DSE-02F

Modern lifestyle has presented humanity with a myriad health issues which has put immense pressure on the conventional methods of diagnosis and treatment of diseases and/ disorders. With the advent and tremendous progress in technology, delivery of healthcare services has not only become faster, easier and cost-effective, but it has also made prevention and awareness programmes more accessible. Today, we have access to innovative tools and devices that make it easy to assess health, do quicker diagnosis and receive faster treatments. This paper is thus designed to introduce students to study and evaluate the intersection of technology and health in being able to provide and promote better healthcare facilities.

Theoretical Component (15 Hours)

- Health and well-being
- Technology and health
- Social medicine and community health in light of technology
- Technology and mental health

Indicative Themes

- Technology and health and well-being
- Technological advances in healthcare facilities
- Issues of ethics in use of technology in healthcare services
- Social Medicine and Community Health

Practical component (90 Hours)

Depending on the theme chosen by the group of students the practical component may entail learning through practical exercises like identifying relevant issues pertaining to technology and health,

responsible use of technology for meeting the challenges in the health sector and related cases/strategies/fields, interviews/interactions with experts, group discussions with stakeholders, designing public awareness campaigns on educating the people on the health and wellbeing dimensions of technology, participating in and conducting workshops, etc., or any other practical deemed fit by the teacher. Fieldwork is a practical component integral to this paper. Other compulsory practical components include:

- ICT in Healthcare (for health education and patient engagement - use of mobile apps, websites and online communities to educate patients about their health and to track their health information)
- GIS Mapping (to map the spread of diseases, track patient data and plan public health campaigns)
- Health Apps - ABHA, Aarogya Setu, e-Sanjeevani

Readings

1. Lupton, D. (2015). *Digital Health: Critical and Cross-Disciplinary Perspectives*. Routledge.
2. Topol, E. (2015). *The Patient Will See You Now*. Basic Books.
3. Adler, N., & Stewart, J. (2010). "Health Disparities Across the Lifespan." *Annual Review of Public Health*.
4. WHO. (2021). *Digital Health Strategy*.
5. Norman, C. D., & Skinner, H. A. (2006). "eHealth Literacy." *Journal of Medical Internet Research*.

Note: Examination scheme and mode shall be as prescribed by the Examination Branch University of Delhi, from time to time.
