Name of the Course	**Scientific and Technical Information Sources**
Course Code	SCI-404
Credit Hours	3
Objectives	1. To identify the basic form of sources in science and technology 2. To describe the basic form of communication and scholarship in science & technology. 3. To know the basic information needs and information seeking behaviour of scientists & IT professionals. 4. To learn the selection criteria, quality indicators and evaluation of science and technology information sources. 5. To learn the overall management of science & technology information sources and services.
Contents	**Unit-I Science and technology** 1.1 Understanding of the discipline 1.2 Characteristics 1.3 Applications **Unit-II Scholarship in science & technology** 2.1 Publication process 2.2 Types **Unit-III Information seeking** 3.1 Assessing information needs 3.2 Information seeking of scientists 3.3 Information seeking of IT professionals **Unit-IV Collection management** 4.1 Selection tools 4.2 Selection criteria 4.3 Evaluation **Unit-V Information resources and services** 5.1 Types and tools 5.2 Specific services 5.2 Marketing and promotion **Unit-VI SciTech librarian** 6.1 Competencies 6.2 Roles
Teaching & Learning Strategies	A combination of lecturing, presentations, and discussions will be used to conduct the course. Students will be expected to read extensively ahead of each class session and actively participate in discussions and practical work.
Assignments	Written assignment about resources (10 marks) and quiz (15 marks)
Recommended Reading Material	Besnoy, A. (Ed.). (2018). *Emerging practices in science and technology librarianship*. London: Routledge. Bobick, J. E., & Berard, G. L. (2011). *Science and technology resources: A*

guide for information professionals and researchers. Santa Barbara: Libraries Unlimited.

Haines, L. L., Light, J., O'Malley, D., & Delwiche, F. A. (2010). Information seeking behavior of basic science researchers: Implications for library services. *Journal of the Medical Library Association (JMLA)*, *98*(1), 1-9.

Hurt, C. D. (1988). *Information sources in science and technology*. Englewood: Librarries Unlimited.

Lankes, R. D. (2016). *The new librarianship field guide*. Cambridge: Mit Press.

Mitchell, V. S. (2004). *The top ten things a new sci/tech librarian should know: Developing competencies*. Retrieved from: http://www.istl.org/04-winter/conf1.html

Mount, E., & Kovacs, B. (1991). *Using science and technology information sources*. Phoenix: Oryx Press.

Steinke, C. A. (1990). *Electronic information systems in sci-tech libraries*. New York: Haworth Press.

Steinke, C. A. (1993). *Instruction for information access in sci-tech libraries*. New York: Haworth Press.

Steinke, C. A. (2013). *Information seeking and communicating behavior of scientists and engineers.* New York: Haworth Press.

Subramanyam, K., & Subramanyam, K. (1981). *Scientific and technical information resources.* New York: M. Dekker.

Tucci, V. (2011). Assessing information-seeking behavior of computer science and engineering faculty. *Issues in Science and Technology Librarianship (e-journal)*, 1-18.