**Paper Code: SLP 2.6 - OE: Information Management in Speech, Language and Hearing**

**Objectives**

After completion of the course, the student shall be able to:

* Utilize Speech & Hearing Related Information Resources
* Know the Techniques of Information Literacy
* Know the Legal and Ethical Issues in Using Information
* Explain Scholarly Metrics, Tools and Techniques
* Critically Evaluate Information
* Resources and Quality Research Reports

Course Content

Unit 1: Information Resources in Speech, Language and Hearing (15 hrs)

1.1 Overview of Traditional Information Resources Pertaining to Speech, Language and Hearing

* Primary
* Secondary
* Tertiary

1.2 Types and Characteristics of Electronic Information Sources

* E-Books
* E-Journals
* Online Digital Research Repository
* Subject Gateways and Portals
* Bibliographic and Full Text Databases

1.3 Evaluation Of Information Resources Using Various Criteria-

* Timeliness
* Authenticity
* Reliability

Unit 2: Search Strategies and Techniques for Information (15 hrs)

* 1. Basic Searching and Advanced Searching Techniques
  2. Search Strategy
* Search formulation
* Search statement
  1. Search Techniques
* Boolean Logic
* Truncation
* Weighted term logic
  1. Search Tools
* Subject Indices
* Search Directories
* General Search Engines
* Meta Search Engines
  1. Vocabulary Control tool –Thesaurus

Unit 3: Information Communication and Management (15 hrs)

* 1. Basics of Academic Writing
  2. Introduction to Style Guides
* APA Manual
* Chicago Manual
* MLA Style Guide
  1. Scientific Publication Life Cycle
  2. Bibliographic Management using Software
* Zotero
* Mendeley
* Endnote
  1. Creation and Sharing of Information
* Need for sharing research information
* Creation and sharing of information using Social Media tools such as blogs and wikis
* Author Identifiers: Open Researcher and Contributor ID (ORCID), Researcher ID
  1. Tools for Updating Information
* RSS Feeds
* E-Alert Service
  1. Digital Object Identifier (DOI)

Unit 4: Measuring Scientific Productivity (15 hrs)

* 1. Tools and Techniques
* Impact Factor
* Scimago Journal Ranking (SJR)
* Source Normalized Impact per Paper (SNIP)
* h-index
* Immediacy index
  1. Citation Databases
* Web of Science
* Google Scholar
* Scopus
  1. Ethical and Legal Issues in Publication
* Concept of Academic Integrity
* Plagiarism – Basics, Tools for plagiarism Checking
* Basics of Intellectual Property Right
* Copyright Laws
  1. Research Ethics- International Guidelines and Standards

**Practicum:**

1. Database Searching on Topics in Communication Disorders using PUBMED, COMDISDOME and Google Scholar Databases
2. Managing Digital Information Resources on Communication Disorders using Zotero and Mendeley Software
3. APA Style Referencing for Various Types of Information Sources
4. Creation of Personal Profiles Using Free Online Tools Like Word Press

**Reference:**

**Unit 1 to 4**

* Ahuja, V. K. (2010). Law Related to Intellectual Property Rights. New Delhi, Lexis, Nexis.
* Bruce. C., Donald, M., & Trevor, S. (2009). Search Engines: Information Retrieval in Practice. Boston, Pearson.
* Gonzalez-Brambila, C. (2011). Exploring Academic Scientific Productivity. Saarbrücken, VDM Verlag.
* Hersh, W. (2010). Information Retrieval: A Health and Biomedical Perspective. New York, Springer.
* Huber, J. T., & Swogger, S. (2014). Introduction to Reference Sources in the Health Sciences. Chicago, Medical Library Association.
* Notess, G. R. (2006). Teaching Web Search Skills: Techniques and Strategies of Top Trainers. NJ, Information Today Inc.
* American Psychological Association. (2015). Publication manual of the American Psychological Association. Washington, DC: Author.
* Thompson, L.L., Tobia, R., Higa, M. L.,, & Carrigan, E. (2011). The Medical Library Association's Master Guide to Authoritative Information Resources in the Health Sciences. New York, Neal-Schuman Publishers Inc.