IFTM UNIVERSITY

Syllabus

of

Master of Library and Information Science (M.L. & I. Sc.)

Department of Library and Information Science

School of Social Science

IFTM University,

Lodhipur Rajput delhi Road Moradabnbad

(Effective from session 2022-23)

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

(As per CBCS guidelines)

Programme	Master of Library & Information Science (M. L. & I. Sc.)
Course Level	Post Graduate
Duration	One Year (Two Semesters) Full Time
Medium of Instruction	English/ Hindi
Minimum Required Attendance	75%
Maximum Credits	64

	Evaluation Scheme		
	Internal	**External**	**Total**
Theory	30	70	100
Practical	30	70	100
Dissertation	30	70	100

Evaluation of Performance

Evaluation of performance of the students in a programme shall be a continuous process based on their performance in the class test, quizzes, assignments and the end semester examinations.

Theory papers in semester system (Maximum Marks: 100)

The evaluation will be done through two class test and one end semester examination. This will be in addition to quizzes, assignments, attendance, etc. Each class test will carry a weightage of 10 marks, and the end semester examination will carry a weightage of 70 marks. The remaining 10 marks will be awarded on the basis of attendance and performance in quizzes and assignments.

Practical in semester system (Maximum Marks: 100)

In each practical, the student will be required to carry out the number of experiments as specified in the syllabus. Each practical conducted will be assessed by the teacher based on the practice done during the class, submission of the practical file, which will carry a weightage of 30

marks. There shall be an end semester practical examination with or without an external examiner which will carry a weightage of 70 marks.

Dissertation:

Dissertation and other learning-oriented activities shall have associated maximum marks and credits, as stated in the syllabus

Examination:

a. The minimum Grade required to pass in each Theory & Practical paper is 'GRADE D'.
b. A candidate, in order to pass, minimum CGPA of 4.50 is required in a particular academic year inclusive of both semesters of that academic. And maximum numbers of Carryover paper permissible for promotion to next academic year are 05 theory / practical / project papers.
c. There shall be no minimum Grade required to pass in General Proficiency (GP). However, Grade obtained in General Proficiency (GP) shall be included in SGPA.
d. In case of audit paper, the minimum Grade required to pass is Grade D. However, the Grade obtained in audit paper shall not be included in SGPA.

For further information, examination **ordinance of IFTM University** can be followed.

Minimum Eligibility for Admission

A Bachelor Degree of any stream viz. B.A. / B.Sc. / B.Com. / B.Sc. (Ag) or its equivalent awarded by a University or Institute established as per law and recognized as equivalent by this University with minimum 45 percentage of marks or equivalent grade, shall constitute the minimum requirement for admission to the Master of Library and Information Science (M. L. & I. Sc.) programme. The eligibility requirement for the admission of the candidates to Master of Library and Information Science (M. L. & I. Sc.) course shall be in accordance with the eligibility criteria determined by UGC / U.P. Government Order issued from time to time. Reservation and relaxation for SC/ST/OBC/PWD and other applicable categories shall be as per the rules of the Central/State Government whichever is applicable.

Department of Library and Information Science
Master of Library & Information Science (M. L. & I. Sc.)

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

Session 2022- 23

S.N.	Course code	Title of Course	Hours per Week			Credit	Evaluation Scheme		
			L	T	P		Internal	External	Total
SEMESTER –I									
1	MLSCC101	Information Systems And Programmes	3	1	--	4	30	70	100
2	MLSCC102	Knowledge Organisation Library Classification (Theory)- I	3	1	--	4	30	70	100
3	MLSCC103	Information Technology (Theory)-I	3	1	--	4	30	70	100
4	MLSCC104	Information Repackaging and Retrieval	3	1	--	4	30	70	100
5	MLSCC151	Knowledge Organisation Library Classification (Practice)-I	3	1	--	4	30	70	100
6	MLSCC152	Information Technology (Practice)	--	--	4	4	30	70	100
Select Any one (Elective Course) of the Following									
7	MLSEC101	Information Sources & Systems in Natural Science	3	1	--	4	30	70	100
	MLSEC102	Information Sources & Systems in Social Sciences	3	1	--				
	MLSEC103	Information Sources and Systems in Medical Sciences	3	1	--				
Total Number of Credits for Semester – I						**32**			
SEMESTER –II									
8	MLSCC201	Informetrics , Scientometrics and Webometrics	3	1	--	4	30	70	100
9	MLSCC202	Research Methodology and Statistical Techniques	3	1	--	4	30	70	100
10	MLSCC203	Knowledge Organisation Library Cataloguing (Theory)-II	3	1	--	4	30	70	100
	MLSCC204	Marketing of Library and Information Products and Services	3	1	--	4	30	70	100
11	MLSCC251	Knowledge Organisation Library Cataloguing (Practice)-II	--	--	4	4	30	70	100
12	MLSRC252	Dissertation & Viva-Voce	--	--	8	8	30	70	100
Select Any one (Elective Course) of the Following									

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

13	MLSEC201	Planning and Management of Academic Library System	3	1	--	4	30	70	100
	MLSEC202	Planning and Management of Special Library System	3	1	--				
	MLSEC203	Planning and Management of Public Library system	3	1	--				
Select Any one (Open Elective) of the Following										
14	MLSOE201	Communication Skills and Content Writing	3	1	--	4	30	70	100
	MLSOE202	Heritage Conservation	3	1	--				
	MLSOE203	Any other MOOC and ODL Course	3	1	--				
Total Number of Credits for Semester –II						**32**			
Total Number of Credits for Semester – I						**32**			
Total Number of Credits for Semester- II						**32**			
TOTAL DEGREE CREDITS						**64**			

Semester-I

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

MLSCC101; Information Systems and Programmes

Objectives: Provide an overview of information systems and programmes. Cognizant the student with various types of information systems and programmes at national, regional and global level Make the student aware of the organizations promoting Information Systems and Programmes at the international and national level Interpret the information needs of users and able to translate into a coherent search strategy

UNIT – I
Information Systems and Organisations
Information Organisation as a System: Basic Concepts, Types and Characteristics of an Information System Kinds of Information System: Libraries, Documentation Centre's and Information Centre's Data Centre's, Information Analysis Centre's, Referral Centre's and Clearing Houses Archives and Translation Pools: Functions and Services.

UNIT – II
Information System and Policy
Planning and Design of National Information System National Information Policy National Information Systems: NISCAIR, DESIDOC, NASSDOC, SENDOC, NDCMC, ENVIS, etc Programmes and Activities of UNESCO, UNISIST and IFLA, etc. INIS, AGRIS, INSPEC and MEDLARS, etc

UNIT – III
Information Services, Resource Sharing, Library Networks and Consortia
Information Services Literature Search, Documentation Services, Translation Services
CAS, SDI, Document Delivery Service, Alert Services and INTERNET Services, Programmes and Activities of INFLIBNET and DELNET, CSIR E-Journals Consortium, UGC-INFONET Digital Library Consortium

Course Outcomes: Students completing this course will be able to

CO1: To familiarize students with different categories of information sources in print, Non-print and electronic media for skill development and employability.

CO2: To develop evaluation and practical skills in dealing with information sources for skill development and employability

CO3: To acquire skills in providing reference and information services for skill development and employability

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

CO4: To train the students in developing various information services and products. To make the students understand the digital information sources and web-based services for skill development and employability

Suggested Readings:

1. Barua (B P). National policy on library and information systems and services for India: perspectives and projections. 1992. Popular Prakashan, New Delhi.
2. Dhiman, A. K. & Rani, Y. (2007). Resource Sharing and Library & Information Networks. New Delhi: Ess Ess Publication.
3. Kent (A). Resource sharing in libraries: why, how, when next action step. 1974. Marshal Dekker, New York.
4. Neelameghan (A) And Prasad (K N), Eds. Information Systems, Networks And Services In India. 2 Vols. 1998. Ranganathan Centre For Information Studies, Chennai.
5. Vickery (B C). Information systems. 1973. Butterworths, Washington.

Website Sources:

1. https://lisstudymaterials.wordpress.com/
2. http://egyankosh.ac.in/
3. http://library-soup.blogspot.com/
4. https://epgp.inflibnet.ac.in/

MLSCC102: Knowledge Organisation Library Classification (Theory) – I

Objectives: Develop an understanding of the concepts of library classification, classification theories and their implication for the development of library classification systems. Understand structure and features of formation of subjects, Develop skills of subject analysis, representation and classification

UNIT-I
General theory of Classification: Contributions of Richardson, W.C. Berwick Sayers, H.E. Bliss, Melvil Dewey, BSO, S. R. Ranganathan and CRG Universe of Knowledge: Mapping and Problems Categorization of Isolates: Historical Perspective and Modern Trends.

UNIT-II
Modes of formation of Subjects and Methods of Scholarship vis-à-vis revision of CC, UDC and DDC Features of Special Classification Schemes, Classificatory Principles in the Classification of Sciences, Social Sciences and Humanities.

UNIT-III
Comparison of CC & UDC with regard to common sub-divisions and Indicator Digits, Trends in Classification: Thesaurofacet, automatic Classification, Classers, Classification in Online Systems, Web Dewey; Dewey on CD Design Methodology of Classification Scheme.

Course Outcomes: Students completing this course will be able to

CO1: Understand the general theory of classification and Universe of Knowledge for skill development and employability

CO2: Understand the modes of formation of subjects and methods for revision of major Classification Schemes for skill development and employability

CO3: Grasp an understanding of special classification schemes for skill development and employability

CO4: Develop a classification scheme. Make a comparison of Major schemes for better selection of Classification Schemes for skill development and employability.

Suggested Readings:
❖ Aswal, RS (2004). MARC 21 Cataloguing fonnat for twenty first century. New Delhi. Ess Ess.
❖ Brown, J.D. (1939). Subject Classification (3rd ed.). London: Grafton.
❖ Husain, S. (2004). Library Classification: facets and analysis. New Delhi: BR Publishing.
❖ Kochar, RS: Library Classification Systems. Delhi. B. R. Publishing.
❖ Kumar, K. (1988). Theory of Classification (4th ed). New Delhi: Vikas Publishing.

❖ Kumar, PSG (2003). Knowledge Orgnnisation. Information processing and retrieval practice, Papcr III of VGC Model Curriculum. Delhi. B. R. Publishing.

❖ Marcella, R. and Newton, R. (1996). A New Manual of Classification. New Delhi: Jaico.

❖ Mills, J. (1960). A Modern Outline of Library Classification. Bombay: Asia Publishing House. Publishing.

❖ Ramalingam, MS (2000) Library Cataloguing and Classification Systems. Delhi, Kalpaz.

❖ Ranganathan, S R., Ed. (1990). Ranganathan Philosophy: Assessment, Impact and Relevance. New Delhi: Vikas Publishing House.

❖ Ranganathan, S. R. (1962). Elements of Library Classification (3rd ed.) Bombay: Asia Publishing.

❖ Ranganathan, S. R. (1967). Prolegomena to Library Classification (3rd ed). Bangalore: Sarada Ranganathan Endowment for Library Science.

❖ Siddiqui, J. A. Knowledge Information and Communication, New Delhi: Shree Publisher and Distributors.

Website Sources:

1. https://lisstudymaterials.wordpress.com/
2. http://egyankosh.ac.in/
3. http://library-soup.blogspot.com/
4. https://epgp.inflibnet.ac.in/

MLSCC103: Information Technology (Theory)-I

Objectives: The objectives of this course are to get familiarize with the various advance applications of Information Technology in libraries with the concept of library automation, planning and implementation and to study different modules of various library management software packages.

UNIT-I
Information Technology and Libraries, Software packages: Operating systems, utility software, application software. Criteria for selection of application software Library automation software packages-Proprietary and Open source soft ware's with examples: WINISIS, KOHA, Alice for Windows, SOUL, Libsys

UNIT-II
Human Computer interfaces. Multimedia: application in libraries. Telecommunication and networking: Concepts, Media, Mode and Components. Network Media: UTP, Optical fiber Ethernet, Network Interface Card, Hub, Router, Modem.

UNIT-III
Network types-LAN, MAN, WAN and their applications in Library Networking, Network topologies-Bus, Star, Ring, Token Ring, Local Area Network – Types, CD Networks

Course Outcomes: Students completing this course will be able to

CO1: Understand the library software packages for use in different types of libraries for skill development and employability

CO2: Get familiarize with the proprietary and open source software for skill development and employability

CO3: Learn about the application of multimedia to libraries for skill development and employability

CO4: Knowledge about the concept of Telecommunication and Networking in general. Develop understanding about various types of networks and their applications in library networks for enabling better library facilities for skill development and employability

Suggested Readings:

- ➢ Aswal, R.S. (2003). CDS/ISIS for windows: A handbook for librarians. New Delhi: Ess Ess Publication.

- ➢ Black, U. (2003). Computer networks: Protocols, standards and interfaces (2nd ed.). New Delhi: Prentice-Hall.

- ➢ Goel, A. (2012). Computer fundamentals. New Delhi: Pearson Education.

- ➢ Kresh, D., Ed. (2000). The whole digital library: Handbook. New Delhi: Indiana Publishing.

- ➢ Leon, A. & Leon, M. (1999). Fundamentals of information technology (2nd ed.). New Delhi: Vikas Publishing.

- ➢ Marshal, F. & Kulkarni, L.G. (2009). Computer networking and the internet (5th ed.). New Delhi: Pearson Education.

- ➢ Parashar, R.G. (2003). Indian library in IT environment. Ludhiana: Medallion press.

- ➢ Rajaraman, V. (2007). Fundamentals of computers (4th ed.). New Delhi: Prentice-Hall of India.

- ➢ Samuel, T.M. & Samuel, M. (2008). Information technology. New Delhi: Commonwealth.

- ➢ Sehgal, R.L. (1999). Handbook of library software packages. New Delhi: Ess Ess Publication.

- ➢ Tanenbaum, A.S. (2003). Computer networks (4th ed.). New Delhi: Pearson Education.

Website Sources:

1. https://lisstudymaterials.wordpress.com/

2. http://egyankosh.ac.in/

3. http://library-soup.blogspot.com/

4. https://epgp.inflibnet.ac.in/

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

MLSCC104: Information Repackaging and Retrieval

Objectives: The objectives of this course are to enable the students to understand the concept of information repackaging and Retrieval, analysis information products and services

UNIT-I
Abstract & Abstracting: Concepts, Types, procedure of Abstracting, Guidelines in preparing Abstracts, Repackaging and consolidation: Concept and procedure, Procedure of repackaging: Content analysis, formatting, consolidation, Study of few internationally recognized Abstracting Indexing Services in print and electronic form, BIOSIS, CAS, PUB-MED, Science Citation Index (SCI)

UNIT-II
Index and Indexing: Concepts and Types, Indexing models – assigned and derived, Co-ordinate Indexing system, Citation indexing, Indexing languages: types and characteristics, Vocabulary control – tools of vocabulary control, Features and Construction of IR Thesaurus.

UNIT-III
Information Retrieval System – concepts and types, Features and elements of online IR
Trends in IR, Evaluation of IR systems, Search Strategies: Manual/Machine, feedback and Refining.

Course Outcomes: Students completing this course will be able to

CO1: Develop the skills for preparation of Indexes/Abstracts. Understand the role of National and International Abstracting/ Indexing services for skill development and employability

CO2: Get acquaint with concept and importance of Information Repackaging and consolidation for skill development and employability

CO3: Understand the concept of Vocabulary Control and construction of thesaurus for skill development and employability

CO4: Learn the use and evaluation of Information Retrieval Systems. Understand the search strategies, feedback and refining of information search for skill development and employability

Suggested Readings:

> ➢ Aitchison, J. & Gilchrist, A. (2000). Thesaurus construction and use: a practical Manual (4th ed.) London: Aslib.

➢ Bhatt, R. K. Marketing of Information Products. New Delhi: Atlantic Publishers.

➢ Chakrabortty, A.R. & Chakrabarti, B. (1984). Indexing: Principles, processes and products. Calcutta: The World Press.

➢ Date, C.J. (1981). An introduction to database systems (3rd ed.). Reading, MA: Addison-Wesley.

➢ Dierick, H. & Hopkinson, Alan. (1981). Reference manual for machine-readable Bibliographic Descriptions (2nd ed.). Paris: UNESCO.

➢ Lancaster, F.W. (1991). Indexing and abstracting in theory and practice. London: Library Association Publishing.

➢ Shailendra Kumar: Information Repackaging. New York: McGraw-Hill.

Website Sources:

➢ https://lisstudymaterials.wordpress.com/
➢ http://egyankosh.ac.in/
➢ http://library-soup.blogspot.com/
➢ https://epgp.inflibnet.ac.in/

MLSCC151: Knowledge Organisation Library Classification (Practice)-I

Objectives: The objectives of this course are to equip the students with the advance level practical knowledge of library classification using the Dewey Decimal Classification (DDC) and Universal Decimal Classification (UDC) scheme by classifying complex and simple titles respectively. The practical examination will consist of transcripts of eight complex titles of monographs and other documents to be classified in depth according to DDC and UDC (Abridged edition 2003)

Course Outcomes: Students completing this course will be able to

CO1: Classify and construct the class numbers of simple and complex titles using DDC and UDC scheme of classification for skill development and employability

CO2: Synthesize class numbers by using different Auxiliary Tables and 'Add to Instructions' of DDC and UDC scheme for skill development and employability

Suggested Readings:
  ➢ Dewey Decimal Classification and Relative Index, Devised by Melvil Dewey, E.
  ➢ Universal Decimal Classification (UDC), Standard Edition. London, British Standards Institution (BSI), 1988.

Website Sources:

  ➢ https://lisstudymaterials.wordpress.com/
  ➢ http://egyankosh.ac.in/
  ➢ http://library-soup.blogspot.com/
  ➢ https://epgp.inflibnet.ac.in/

MLSCC152: Information Technology (Practice)-I

Objectives: The objectives of this course are to provide hands on training on standard modules of popular library automation Software packages and online searching of databases.

UNIT-I

Creation of database using WINISIS and Alice for Windows, SOUL and Libsys
Use of Library software package, Alice for Windows for in-house operations, Bar Code Generations, membership cards, machine readable catalogue cards.

UNIT-II

CD-ROM & online searching
Web page design and creation for a Library/ Information Centre

Course Outcome: Students completing this course will be able to

CO1: Create database using Lib Sys and Soul for skill development and employability

CO2: Generate Barcodes, membership cards using Lib Sys and Soul for skill development and employability

CO3: Learn searching techniques of various CD-ROM & Online Databases for skill development and employability

CO4: Get acquaint with Library software package-Alice for Windows for in-house operations, generate Barcodes, membership cards using Lib Sys and Soul for skill development and employability

Suggested Readings:
➢ Bradley, P. (2007). How to use web 2.0 in your library. London: Facet Publishing.
➢ Cox, C. N. (2006). Federated search: solution or setback for online Library Services. Philadelphia: The Haworth Press.
➢ Donnelly, V. (2000). Designing easy-to-use websites: a hands-on-approach to structuring successful websites. Boston: Addison-Wesley.
➢ Kaul, H. K. Library Networks in India. New Delhi, DELNET
➢ Lowery, J. W. (2002). Dreamweaver MX bible. Indianapolis: Wiley Publishing,

15

➢ Lynch, P. J. & Horton, S. (2009). Web style guide: basic design principles for creating web sites (3rd ed.). London: Yale University Press.
➢ Niederst, Jennifer (2006). Learning Web Design: A Beginner's Guide to HTML, Graphics and Beyond (2nd ed.) Mansion Shroff Publishers and Distributers Pvt. Ltd.
➢ Xavier, C. (2007). World Wide Web design with HTML. New Delhi: Tata Mc Graw Hill.

Website Sources:

➢ https://lisstudymaterials.wordpress.com/
➢ http://egyankosh.ac.in/
➢ http://library-soup.blogspot.com/

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

MLSEC101: Information Sources and System in Natural Science

Objectives: This Course will familiarize students with the sources and systems of Information.

UNIT-I
Sciences: definition, terminology, scope. Primary Sources: Periodicals, Standards, Patents, Dissertations. Web based sources, Evaluation of representative sources in each category.

UNIT-II
Secondary Sources: Bibliographies, Dictionaries, Treatises/Monographs, Directories, Trade Catalogues. Tertiary Sources: Guides to Literature and Bibliography of Bibliographies. Web based sources. Evaluation of representative sources in each category

UNIT-III
Information Systems and Networks in Natural Sciences: Need and Purpose. Study of Science Information Systems at National and International levels: ENVIS, INIS, AGRIS, MEDLARS, BT Net

Course Outcomes: Students completing this course will be able to:

CO1: Acquaint with the primary sources of information and their criteria of evaluation for skill development and employability

CO2: Comprehend the print and online secondary sources of information for skill development and employability

CO3: Evaluate the print and online tertiary sources of information for skill development and employability

CO4: Assess the National and International Systems for skill development and employability

Suggested Readings:

- ❖ Dhiman, A. K. & Rani, Y. (2007). Resource Sharing and Library & Information Networks. New Delhi: Ess Ess Publication.
- ❖ Katz, W. A. (1969). Introduction to Reference Work. New York. Mc Graw Hills.
- ❖ Sharma, J. S. & Grover, D.R (1987). Reference Service & Sources of Information.
- ❖ Sharma, Pandey, S.K. (1992). Library & Society. New Delhi: Ess Ess Publication.

Website Sources:

- ❖ https://lisstudymaterials.wordpress.com/
- ❖ http://egyankosh.ac.in/
- ❖ http://library-soup.blogspot.com/
- ❖ https://epgp.inflibnet.ac.in/

MLSEC102: Information Sources & System in Social Sciences

Objectives: This Course will familiarize students with the sources and systems of Information

Unit-I
History of Social Sciences, Definition, Terminology, Branches and Land marks in Social Sciences.

Unit-II
Primary Sources: Periodicals, Government bulletins, Standards, Dissertations, Monographs, Memoirs, Web based sources, Evaluation of representative sources in each category.

Unit-III
Secondary Sources: Bibliographies, Dictionaries, Treatises, Directory. Tertiary sources: Trade Catalogues, Guides to the literature and Bibliography of bibliographies Web based sources, Evaluation of representative sources in each category.

Unit-IV
Information Systems and Networks in Social Sciences: Need and Purpose, Study of Select Social Science Information Systems at National & International levels.

Course Outcomes: Students completing this course will be able to:

CO1: Acquaint with the primary sources of information and their criteria of evaluation for skill development and employability

CO2: Comprehend the print and online secondary sources of information for skill development and employability

CO3: Evaluate the print and online tertiary sources of information for skill development and employability

CO4: Assess the National and International Systems for skill development and employability

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

Suggested Readings:

- ➢ Dhiman, A. K. & Rani, Y. (2007). Resource Sharing and Library & Information Networks. New Delhi: Ess Ess Publication.
- ➢ Katz, W. A. (1969). Introduction to Reference Work. New York. Mc Graw Hills.
- ➢ Sharma, J. S. & Grover, D.R (1987). Reference Service & Sources of Information.
- ➢ Sharma, Pandey, S.K. (1992). Library & Society. New Delhi: Ess Ess Publication

Website Sources:

- ➢ https://lisstudymaterials.wordpress.com/

- ➢ http://egyankosh.ac.in/

- ➢ http://library-soup.blogspot.com/

- ➢ https://epgp.inflibnet.ac.in/

MLSEC103: Information Sources and System in Medical Sciences

Objectives:
This Course will familiarize students with the sources and systems of Information.

Unit-I
Medical/Health Sciences: Definition, Scope, Development, Modern Trends.

Unit-II
Primary Sources: Periodicals, Standards, Patents, Dissertation, Web based Primary Sources. Evaluation of representative types of sources in each category

Unit: III
Secondary Sources: Indexing Journal: Drug Indexes, Index Medicus Abstracting Journals: British Medicine, Excerpt a Medical Reviews Dictionaries Encyclopedias Tertiary Sources: Directories, Guides to medical literature. Web based Secondary and Tertiary Sources. Evaluation of representative types of sources in each category

Unit: IV
Information Systems and Networks in Medical/Health Sciences: Need and purpose. Medical/Health Information Systems at National and International Levels: IndMED, MedIND, MEDLARS.

Course Outcomes: Students completing this course will be able to:

CO1: Acquaint with the primary sources of information and their criteria of evaluation for skill development and employability

Co2: Comprehend the print and online secondary sources of information for skill development and employability

CO3: Evaluate the print and online tertiary sources of information for skill development and employability

CO4: Assess the National and International Systems for skill development and employability

Suggested Readings:

- ➤ Morton, L.T. & Godbolt, S. (1984). Information Sources in the Medical Sciences (3rd Ed.) London : Butterworths
- ➤ Dhiman, A. K. & Rani, Y. (2007). Resource Sharing and Library & Information Networks. New Delhi: Ess Ess Publication.
- ➤ Katz, W. A. (1969). Introduction to Reference Work. New York. Mc Graw Hills.
- ➤ Sharma, J. S. & Grover, D.R (1987). Reference Service & Sources of Information.
- ➤ Sharma, Pandey, S.K. (1992). Library & Society. New Delhi: Ess Ess Publication

Website Sources:

- ➤ https://lisstudymaterials.wordpress.com/
- ➤ http://egyankosh.ac.in/
- ➤ http://library-soup.blogspot.com/
- ➤ https://epgp.inflibnet.ac.in/

Department of Library Science
Master of Library & Information Science (M. L. & I. Sc) Programme
Semester-II
MLSCC201: Informetrics, Scientometrics and Webometrics

Objectives: The objectives of this course are to develop an understanding of Information Science, Marketing of Information Products and Services, measurement and use of scholarly information using different Bibliometric Models and Indicators and imparting the relevant competencies

UNIT-I
Information Science: Definition, Scope and Objectives, Information Science: Historical background, Relationship with other subjects.

UNIT-II
Information society: Genesis, Characteristics, Implications, Changing role of Library and Information Centers in Society.

UNIT-III
Bibliometrics, Scientometrics, Informatics and Webometrics: concepts, evolution and present status, Bibliometric Laws: Bradford, Zipf, Lotka and their utility and application Citation analysis, Bibliographic Coupling, Obsolescence, E-citation, Impact factor.

UNIT-IV
Information Products: Nature, Concepts, Types, Design and Development of Information: Infrastructure; Products, Marketing of Information Products, Economics of Information: Concepts and Evolution, Information as a Commodity.

Course Outcomes: Students completing this course will be able to:

CO1: Develop an understanding of the concept of Information Science and its relation with other subjects for skill development and employability

CO2: Acquaint the student with concepts of bibliometrics, scientometrics and webometrics for skill development and employability

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

CO3: Know importance of measuring literature and its impact on use of information with different models and indicators for skill development and employability

CO4: Design and develop Information Products. Develop an understanding of the concept of marketing and economics of information products for skill development and employability

Suggested Readings:

- Baruah, A. (2004). Library Science: Prospects in 21st century. New Delhi: Kilaro Books.
- Dhawan, K.S. (2001). Reading in Library Science. New Delhi: Commonwealth.
- Kawatra, P.S. (2000). Textbook of Information Science. New Delhi: A.P.H. Publishing.
- Melntosh, J. (Ed.). Library and Information Sciences: Parameters and Perspectives. Canada: Apple Academic Press.
- Sardana, J.L., Ed. (2002). Libraries and information studies in retrospect and prospect: Essay in Honourof D. R. Kalia. New Delhi: Concept publishing company.

Website Sources:

- ❖ https://lisstudymaterials.wordpress.com/
- ❖ http://egyankosh.ac.in/
- ❖ http://library-soup.blogspot.com/
- ❖ https://epgp.inflibnet.ac.in/

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

MLSCC202: Research Methodology and Statistical Techniques

Objectives: The objectives of this course are to understand the concept of Research Design, Tools and Techniques to carry out the research in various fields of Library and Information Science.

UNIT-I
Develop skills for writing and evaluating a research report, Research and Development of Scholarship since 20th century, Types of research: Fundamental and Applied, Inter disciplinary and Multidisciplinary. Research Design: concept and types, Elements of Research methods Identification and formulation of problem

UNIT-II
Hypothesis, Literature search: print & non-print, Research Methods: Scientific, Historical methods, Descriptive methods, Survey and Case, Study Methods, Experimental and Delphi Methods, Designing of Research proposal.

UNIT-III
Sampling Techniques, Research Technique Tools, Questionnaire, Interview, Observation, Research Reporting: Structure, Style Contents, Guidelines, Methods of Research Report Evaluation.

UNIT-IV
Data analysis and interpretation: concept and use, Descriptive Statistics – Measures of Central Tendency, Mean, Mode, Median, Tabulation and Generalization, Measures of dispersion, Variance and Covariance, Standard Deviation, Graphical presentation of data: bar, Pie-line graphs, Histograms, Inferential Statistics: Correlation, T-test, Regression – linear and non-linear, Chi square test, Statistical packages – SPSS, (introduction).

Course Outcomes: Students completing this course will be able to:

CO1: Familiarize with the concept of research design, tools and techniques for skill development and employability

CO2: Understand the designing of a Research Proposal for skill development and employability

CO3: Develop a thorough understanding of research data analysis, interpretation and presentation for skill development and employability

CO4: Use different statistical techniques and statistical packages for skill development and employability

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

Suggested Readings:

- Best, J. W. & Kahn James, V. (1999). Research in Education (2nd ed.). New Delhi.
- Busha, C. H. & Harter, S. H. (1988). Research Methods in Librarianship: Techniques.
- De Vaus, D. (2001). Research Design in Social Research. New Delhi: Sage Publications.
- Ghosh, B. N. (1984). Scientific Method and Social Research (2nd ed.). Delhi: Sterling.
- Gupta, S. P. (2012). Statistical Methods. Delhi: Sultan Chand, Interpretations. New York: Academic Press.
- Kothari, C R. (2004). Research Methodology. Delhi: New Age International; (P) Ltd.
- Kumar, K. (1992). Research Methods in Library and Information Science. New Delhi: Vikas Publishing House.
- Kumar, P.S.G. (2004). Research Methods and Statistical Techniques. Delhi: B.R. Publishing.
- London: The Library Association. Prentice Hall of India.
- Slater, M., Ed. (1990). Research Methods in Library and Information Studies.

Website Sources:

- https://lisstudymaterials.wordpress.com/
- http://egyankosh.ac.in/
- http://library-soup.blogspot.com/
- https://epgp.inflibnet.ac.in/

MLSCC203: Knowledge Organisation Library Cataloguing (Theory)-II

Objectives: The objectives of this course are to prepare the student to understand the theoretical aspects of cataloguing and to make them study the latest trends in cataloguing.

UNIT-I
Contributions of Cutter Lubetzky, Ranganathan in the field of Cataloguing. Impact of Paris Principles on the Development of Cataloguing Codes Comparative study of CCC and AACR-II: Corporate Author and Composite books. Online Cataloguing: OPACs and Web OPAC with examples at national and international level

Unit-II
Subject Cataloguing: Definition and General Principles, Choice and Rendering of Subject Headings: LCSH, POPSI, PRECIS, Thesaurus: Need and Guiding Principles for Compilation.

Unit-III
Layout and rules for the Union Catalogues of Books, Periodicals, Indexing and Abstracting Journals and National Bibliographies, Compilation of Local, National and International Union Catalogues, Application of IT.

Unit-IV
Development and current trends in Standardization, Description and Exchange Formats:
ISBD, MARC, CCF, ISO2709, UNIMARC, MARC21, UNICODE: Overview

Course Outcomes: Students completing this course will be able to:

CO1: Understand the contributions of significant people in the field of cataloguing for skill development and employability

CO2: Know the Web based cataloguing systems for skill development and employability

CO3: Know the standards for bibliographic interchange and communication formats for skill development and employability

CO4: Understand the theory and functions of cataloguing. Understand standards of cataloguing for skill development and employability

Suggested Readings:

27
As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

➢ Agrawal, S.S. & Kaula., P.N. (1972). Catalogue entries & procedure: A guide to cataloguing work according to ALA, AACR, CCC, New Delhi: Lakshmi Book Store.
➢ Coates, E.J. (1960). Subject Cataloguing: Headings & Structure. London: The Library.
➢ Dabs, K.C. (2008). IT Application for TQM and Library Marketing. New Delhi: Ess Ess Publications.
➢ Dhawan, K.S. (1997). Online Cataloguing Systems. New Delhi: Commonwealth Publication.
➢ Explaining & illustrating through the 2003 update. New Delhi: Indiana Publishing House.
➢ Fritz, D. A. (2009). Cataloguing with AACR-II & MARC21: for books Electronics Resources, Sound Recording, Video Recording & Serials. New Delhi: Pentagon Press.
➢ Singh, S.N. & Prasad, H.N. (1985). Cataloguing Manual AACR-II. New Delhi: B. R. Publishing Corporation.

Website Sources:

➢ https://lisstudymaterials.wordpress.com/
➢ http://egyankosh.ac.in/
➢ http://library-soup.blogspot.com/
➢ https://epgp.inflibnet.ac.in/

MLSCC204: Marketing of Library and Information Products and Services

Objectives: To introduce the students to the concepts of marketing and their application in information work. To familiarize the student with marketing strategies and promotion design applicable for information products and Services to acquaint the student with the information industry and its agencies to train the students in developing various information services and products.

UNIT – I
Needs, Objectives and Philosophy, Marketing Environment: Producer, Consumer – Behavior, Marketing Information System, Market Segmentation, Marketing Mix.

UNIT – II
Strategic Planning, Marketing Research, Marketing Process, LIS Products and Services as a Marketable Commodity, Pricing, Distribution Channels and Communication.

UNIT – III
Strategies, Advertising, Sales Promotion, Public Relations, E-Marketing, Information Analysis and Consolidation: Concept, Need and Purpose

UNIT – IV
Packaging and Re-Packaging: Concept, Need, Purpose and Criteria, Information Consolidation Products: Concept, Types, Design and Development.

Course Outcomes: Students completing this course will be able to:

CO1: Understand and explain the importance of fundamentals and roles of marketing of library services for skill development and employability

CO2: Explain the key requirements for an effective marketing strategy in the competitive market for skill development and employability

CO3: Solve marketing problems for skill development and employability

CO4: Get acquaint with concept and importance of Information Repackaging and consolidation for skill development and employability

Suggested Readings:

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

➢ Bakewell, K G. Managing User-Centred Libraries and Information Services. Ed. 2. 1997. Maxwell, London.

➢ Butcher, Helen. Meeting Manager's Information Needs. 1998. ASLIB, London.

➢ Carpenter, J and Davies, R. Quantification of The Overseas Consulting Market for Professional Consultancy Services In Librarianship And Information Science And Information Management. 1992. Research and Development, British Library, London.

➢ Coote, Helen and Batchelor, Bridget. How to Market Your Library Services Effectively. Ed. 2. 1997. Aslib, London.

➢ Gupta, D K, Et Al. Marketing Library and Information Services: International Perspectives. 2006. K.G. Saur, Munich.

Website Sources:

➢ https://lisstudymaterials.wordpress.com/
➢ http://egyankosh.ac.in/
➢ http://library-soup.blogspot.com/
➢ https://epgp.inflibnet.ac.in/

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

MLSCC251: Knowledge Organisation Library Cataloguing (Practice) - II

Objectives: The paper aims to acquaint the with to Anglo-American Cataloguing Rules (AACR-II). Its objective is to provide documents and other information required for their cataloguing. There will be three cataloguing problems.

UNIT-I

Cataloguing of complex problems involving the rendering of headings and description will be done according to Anglo-American Cataloguing Rules (AACR-II). Corporate authors, Non-books materials, Periodicals

UNIT-II

The practical examination will be conducted through a question paper containing the reproduction of title pages of the documents and other information required for their cataloguing. There will be three cataloguing problems.

Course Outcomes: Students completing this course will be able to:

CO1: Understand the practical aspects of cooperative cataloguing for skill development and employability

CO2: Prepare the complex entries of non-book materials for skill development and employability

CO3: Comprehend the complex problems of periodical publications for skill development and employability

Suggested Readings:
1. American Library Association & Others (1978). Anglo-American Cataloguing Rules. London: The Library Association.
2. Aswal, R. S. (2005). AACR2R with MARC21: cataloging practice for 21st century. New Delhi: Ess Ess Publication.
3. Bakewell, K. G. B. (1974). A manual of cataloguing practice. Oxford: Pergamon Press.
4. Krishan Kumar (1987). Introduction to AACR-2 (Anglo-American Cataloguing Rules). New Delhi: Vikas Publishing.
5. Verma, A. K. (1986). AACR-2: Entries and Procedure. Delhi: Vishwa-Kala Prakashan.

Website Sources:

➢ https://lisstudymaterials.wordpress.com/

➢ http://egyankosh.ac.in/

➢ http://library-soup.blogspot.com/

➢ https://epgp.inflibnet.ac.in/

MLSRC252; Dissertation & Viva-Voce

Objectives: The objectives of dissertation are to familiarizes students with subject bibliography, Citation Analysis bibliometric study, case study, survey and trend report.

Note:

This paper will consist of areas such as annotated subject bibliography, bibliometric study, case study, survey, trend report etc. The dissertation on any one of the above theme will be submitted before the commencement of Second Semester examination and will be evaluated by an external/ internal examiner. It will carry 70 marks. Viva-Voce examination will be of 30 marks. This will be conducted by a group of three members consisting of Coordinator of the Department, External Examiner and the Supervisor.

Course Outcomes:

Students will be able to compile bibliography and conduct survey, case study and searching techniques of databases.

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

MLSEC201: Planning and Management of Academic Library System

Objectives: This paper will provide insights to students about the role of library in academic institutions along with the efforts made by the government.

Unit-I
Role of the Library in Academic Institutions Development of Academic Libraries in India, after Independence. Planning of Academic Libraries, Study of the recommendations of various Committees and Commissions with regard to Academic Libraries in India. Role of the UGC and UNESCO in promoting academic libraries

Unit-II
Library Governance: Authority, Committees and Role of Librarian. Organisational Pattern Human Resource Management: Staffing, Selection & Recruitment. Performance Appraisal Budgeting Academic Library Buildings: Planning, basic elements in designing. Furniture and fittings Public Relations: Need and Methods.

Unit-III
Library & Information Services: Need and types. Library Co-operation and Resource Sharing Role of INFLIBNET

Unit-IV
Electronic Journals and Consortia: Concept UGC Info-Net. Online Computer Library Centre (OCLC). Study of Select University Libraries in India: Aligarh Muslim University, Delhi University & Jawaharlal Nehru University.

Course Outcomes: Students completing this course will be able to:

CO1: Understand the development of academic libraries in India for skill development and employability

CO2: Develop an understanding about role of UGC and UNESCO for skill development and employability

CO3: Examine the working of prominent university libraries in India for skill development and employability

CO4: Understand the Concept UGC Info-Net. Online Computer Library for skill development and employability

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

Suggested Readings:

- ➢ Prasher, R.G. (1991). University Libraries in India 1980s and Beyond. New Delhi: Medallian Press.
- ➢ Singh, S. (1986). Reference Service in Academic Libraries in India. New Delhi: Ess Ess Publication.

Website Sources:

- ➢ https://lisstudymaterials.wordpress.com/
- ➢ http://egyankosh.ac.in/
- ➢ http://library-soup.blogspot.com/
- ➢ https://epgp.inflibnet.ac.in/

MLSEC202: Planning and Management of Special Library System

Objective: This paper will provide insights to students about the role of special libraries along with the efforts made by the government

Unit-I
Definition, objectives, distinguishing features and scope of Special Libraries: Industrial, Business, Government, Research Institute, Newspapers, Differently abled, Development of Special Libraries in India.

Unit-II
Library governance: Authority, Committee and role of librarian. Organisational Pattern: centralized v/s decentralized. Library Personnel: staff pattern, selection and recruitment. Public relations Budgeting, Modern special library buildings: Planning, basic elements in the design of building, furniture and fittings.

Unit-III
Inter-Library cooperation and Resource sharing, Electronic Journal Consortia: e Shodhsindu FORSA.

Unit-IV
Study of some representative Special libraries of India: Indian Institute of Technology (IIT) Madras, BARC, Bombay, CFTRI, Mysore, Indira Gandhi National Centre of Arts, New Delhi, 22 Nehru Memorial Museum and Library, New Delhi, National Institute for the Visually Handicapped, Dehradun, Khuda Bakhsh Oriental Public Library, Patna.

Course Outcomes: Students completing this course will be able to:

CO1: Understand the nature and role of Special Libraries and Information Systems for skill development and employability

CO2: Explain the role of government and other agencies in the development of special libraries for skill development and employability

CO3: Perceive the role of special libraries in the promotion of education and research for skill development and employability

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

CO4: Select, acquire, organize and manage specialized collection. Provide various types of library and information services for skill development and employability

Suggested Readings:

- Mukherjee, A.K. Fundamental of Special Librarianship & Documentation.
- Sinha, S. C. &. Dhiman, A. K . (2002). Special Libraries: Research & Technical Libraries New Delhi: Ess Ess Publication.

Website Sources:

- https://lisstudymaterials.wordpress.com/
- http://egyankosh.ac.in/
- http://library-soup.blogspot.com/
- https://epgp.inflibnet.ac.in/

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

MLSEC203: Planning and Management of Public Library System

Objective: This paper will provide insights to students about the role of public libraries along with the efforts made by the government.

UNIT-I
Public Library: Concept, Nature, Characteristics. Public Library Users Development of Public Library Movement in India with reference to post independence period, Public Library Legislation: Maharashtra, Karnataka, Kerala, Tamil Nadu, Goa. National Policy for Library Development in India (National Policy for Library and Information Science and National Knowledge Commission)

UNIT-II
Public Library Collection: Print and Non-Print. Library Co-operation and Resource Sharing in Public Libraries Public Library Finance Planning Library Building and Equipments Human Resource Development

UNIT-III
Public Library Services for Special Categories of Users: Visually Impaired and Physically Challenged, Children, Young Adults, and Women. Library Extension Services Organizations promoting public libraries: National, International, Government Agencies and Non-Government Agencies: UNESCO; IFLA; Raja Rammohan Roy Library Foundation, Kolkata, Digital Empowerment Foundation.

UNIT-IV
Prominent Public Libraries in India (Illustrative): The State Central Library, Mumbai; Connemara Public Library, Chennai; Delhi Public Library; T.S. Central Public Library, Chandigarh.

Course Outcomes: Students completing this course will be able to:

CO1: Understand the nature and role of Public Libraries and Information Systems for skill development and employability

CO2: Explain the role of government and other agencies in the development of libraries for skill development and employability

CO3: Perceive the role of public library in the promotion of formal and informal education. Offer extension and outreach services to different categories of users for skill development and employability

CO4: Select, acquire, organize and manage public library collection. Provide various types of library and information services for skill development and employability

Suggested Readings:

- ➤ Bhatt, R. K. (2011). Libraries in India: collection to connectivity. Ane Books.
- ➤ Goulding, A. (2016). Public libraries in the 21st century: defining services and debating the future. Routledge.
- ➤ Gupta, A. (1994). Government of India Libraries: Their Growth, Development, and Services. BR Publishing Corporation.
- ➤ Jain, M. K., Mangla, P. B., Kalia, D. R., & Jagannathan, N. (1998). 50 Years: Library and Information Services in India. Shipra.
- ➤ Kent, A. (2014). Encyclopedia of Library and Information Science Volume 24. Crc Press.

Website Sources:

- ➤ https://lisstudymaterials.wordpress.com/
- ➤ http://egyankosh.ac.in/

MLSOE201: Communication Skills and Content Writing

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

Objectives: The outcome of the course is to provide students a clear understanding of communication, communication skills, written communication, and types of media writing and contribution of renowned Journalist

UNIT- I

Communication skills: Listening skill, cognitive process of listening, barrier to effective listening, speaking skills, public speaking, voice modulation and body language.

UNIT- II

Written communication: types; structures and layout of business letters; preventative letters- sales letter, claim letters, employment letters, writing memo, notice and circular, effective email writing skills; Presentation & publication of brochures; Issuing notice, agenda of meeting and minutes of meetings.

UNIT – III

Writing: Feature, Article, Editorial, Story, Letter to Editor, Advertorial, Film review.

UNIT – IV

Audio Visual Presentation: Presentation Skills, Importance of audio and visual inputs for the presentations.

Course Outcomes: Students completing this course will be able to:

CO1: Understanding Communication skill, Learning and speaking for skill development and employability
CO2: Written Communication with Presentation and Pub for skill development and employability

CO3: Framing, Article, Film review for skill development and employability

CO4: Important of Audio and Visual presentations for skill development and employability

Suggested Readings:

➢ Business English for Success (2011) by Scott McLean- The Saylor Foundation
➢ Business Communication: Achieving Results (2013) by Lori Harvill Moore- Bookboon
➢ Essentials of Business Communication (2013) by Mary Ellen Guffey, Dana Loewy
➢ Emotional Intelligence: Why It Can Matter More Than IQ (2006) by Daniel Goleman
➢ Patrkarita Ke Sidhant- Dr. Ramesh Chandra Tripathi. Ashok Prakashan, Lucknow

As per guidelines of Common Minimum Syllabus by U.P. Government according to National Education Policy- 2020, w.e.f. the session 2022-23

Website Sources:

1. http://nidm.gov.in/
2. http://nidmssp.in
3. http://www.drishtiias.com/upsc-exam-gs-resources-COMMUNITY-BASED-DISASTER-MANAGEMENT

MLSOE202: Heritage Conservation

Objectives: This course aims to critically understand the meaning of heritage and the relevance of heritage conservation. To understand how policies at the global level and at national levels shape conservation practices. To appreciate the different meanings of heritage and particularly how diverse communities understand, practice and preserve heritage

Unit I

Introduction: Concept of heritage, different perspectives on heritage culture and history, terms, definitions and trope

Unit II

The Content of Heritage: Global perspectives of heritage, the world heritage concept, Implementation of World Heritage Convention, Broadening the representation and meaning of heritage-Intangible and tangible heritage.

Unit III

Conserving Heritage: Heritage complexities, tensions and ethical challenges, conservation and management of cultural and natural heritage, heritage and socio-economic development, community based heritage work

Unit IV

Heritage Conservation with Particular Reference to India: Managing and interpreting heritage in India, representing complicated and diverse heritages of India, government of India policies and programs on heritage conservation.

Course Outcomes: Students completing this course will be able to:

CO1: Heritage concepts, history and definitions.

CO2. Perspectives of Global heritage convention of world heritage and broadening.

CO3: Complexities, tensions, challenges and conservation of heritage.

Co4: Manage and interpreting heritage in India.

Suggested Readings:

➢ Lowenthal, D. 2003. The Past is a Foreign Country, Cambridge University Press: UK UNESCO World Heritage Convention 1972.
➢ whc.unesco.org/en/globalstrategy/#analysiswhc.unesco.org/en/criteria/
➢ UNESCO, 2003. Intangible Heritage Convention.
➢ Rodney Harrison, 2013. Heritage: Critical Approaches, Routledge, London.
➢ Harold, Kalman, 2014. Heritage Planning: Principles and Process, Routledge, New York.
➢ Laurajane Smith, 2006. Uses of Heritage, Routledge, London.
➢ Boym, S. 2002. The Future of Nostalgia, Basic Books, Case, New York.
➢ Miles Glendinning, 2013. The Conservation Movement: A History of Architectural Preservation, Routledge, London and New York.

Websites Sources:

➢ http://nidm.gov.in/
➢ http://nidmssp.in
➢ http://www.drishtiias.com/upsc-exam-gs-resources-COMMUNITY-BASED-DISASTER-MANAGEMENT

MLSOE203; Any other MOOC and ODL Course