

(Autonomous)

(Reaccredited by NAAC at an'A' Grade. An ISO 9001:2015 Certified Institution)

Rahmath Nagar, Tirunelveli- 11.

Tamil Nadu

DEPARTMENT OF LIBRRAY AND INFORMATION SCIENCE



CBCS SYLLABUS

For

BACHELOR DEGREE IN LIBRARY AND INFORMATION SCIENCE (B.Lib.I.Sc)

(Applicable for students admitted in June 2019 and onwards)

(As per the Resolutions of the Academic Council Meetings

held on 03-03-2018)

COURSE STRUCTURE CBCS Syllabus – B.Lib.I.Sc., (2018-19 onwards)

SEM	P	Title of the paper	S. Code	H/W	С		Mar	ks
SEM	r		S. Code	11/ W		I	E	T
	DSC1	Information, Communication, Library and Society	18UCLS11	6	4	25	75	100
	DSC2	Information Sources and Services	18UCLS12	6	5	25	75	100
	DSC3	Information Processing and Retrieval – Classification (Theory)	18UCLS13	6	5	25	75	100
I	DSC-4	Library Automation and Networking	18UCLS14	4	4	25	75	100
	DSCP-I	Information Processing and Retrieval – Classification (Practical)	18UCLS1P	2	1	40	60	100
	DSE-I	Office Automation (or)	18UELS1A		5 4	25	75	100
	DSE-I	Massive Open Online Course	18UELS1B	6				
	DSC5	Library Information Technology	18UCLS21	6	4	25	75	100
	DSC6	Library Administration and Management	18UCLS22	6	4	25	75	100
	DSC7	Information Processing and Retrieval – Cataloguing (Theory)	18UCLS23	6	5	25	75	100
II	DSC-8	Digital Libraries	18UCLS24	4	4	25	75	100
	DSCP-II	Information Processing and Retrieval – Cataloguing (Practical)	18UCLS2P	2	2	40	60	100
	DSE-II	Communication Skills and Soft Skills (or) Massive Open Online	18UELS2A	6	3	25	75	100
		Course	18UELS2B					
			Total	60	45			1200

BACHELOR DEGREE IN LIBRARY AND INFORMATION SCIENCE (B.Lib.I.Sc)

I SEMESTER					
DSC - 1	DSC - 1 Information, Communication, Library and Society				
Hrs/Week:6	Hrs/ Sem: 90	Hrs/ Unit: 15	Credits: 4		

Unit-1:

Information and Information Science: Nature and notions of information. Data and Knowledge -General point to users

Unit-2:

Communications – Models, Barriers, Library / Information Center as communication agencies, Five Laws of Library Science, Resource Sharing and Networking.

Unit-3:

Library Movement and Legislation in India, Types of libraries and their organization. Public, Academic, Special and National Libraries.

Unit-4:

Library and Information Profession and Associations. National and International – ILA, IASLIC, ASLIB, IFLA.

Unit-5:

Information Society: Features and Characteristics.

Text Books:

- ➤ K.S.Deshpande, University Library System in India, Sterling Publisher.
- ➤ Chakrabarti, B and Mahapatra, P.K. Library and information Science an introduction, Calcutta, World Press, 2000.
- ➤ Kaula, P.N., Library and information society, Calcutta, World Press, 1993.

- Ranganathan, S.R, Five Laws of Library Science, 1957.
- Colin Harrison, The Basic of Librarianship, Oxford Publisher.
- Ranganathan, S.R. and Neelameghan, A., Public library legislation: India, Sri Lanka, UK and USA. Comparative library legislation. Bangalore, Savada Ranganathan Endowment for library science, 1972.

	I SEN	MESTER	
DSC - 2	18UCLS12		
Hrs/Week:6	Hrs/ Sem: 90	Hrs/ Unit: 15	Credits: 5

Unit-I:

Fundamental Concepts: Meaning, Definition, Importance, Nature and Characteristics -Printed and Electronic Information Sources.

Unit-II:

Sources of Information: Primary Information Sources: General introduction (Periodicals, Conferences, Patents, Standards, Theses/Dissertations, Trade Literature, etc.) Secondary Information Sources: Dictionaries, Encyclopedias, Biographical, Geographical, Bibliographies, Indexing and Abstracting, Newspaper Indexes and Digests, Statistics, Handbooks and Manuals-Tertiary Information Sources: Directories, Year Books, Almanacs, Bibliography of Bibliographies, Union Catalogues.

Unit-III:

Reference and Information Services: Reference Service Definition, Need and Types Theory and Functions of Reference and Information Service – Enquiry Techniques – Role of Reference Librarian and Information Officer in Electronic Environment.

Unit-IV:

Types of Information Services: Documentation Services: Abstracting and Indexing Services – Alerting Services, CAS, SDI, Reprographic Service, Translation Service, Document Delivery and Referral Service

Unit-V:

Information Literacy Programmes: Concept, Objectives, Initiation of Users – Users and their Information needs: Categories of users, Ascertaining users Information needs, Types of user studies— Information Literacy Products, Definition: Librametrics, Bibliometrics, Scientometrics.

Text Books:

- ➤ Krishna Kumar, Reference Service, Vikas Publishing House Pvt Ltd.
- Dr.Pankaj Kumar Sigh, Library Information Services and Systems, Discovery Publishing House
- ➤ Guha,B.: Documentation and information: Services, techniques & Systems: 2nd rev. ed., World Press, 1983.
- ➤ Katz W.A.: Introduction to reference work, 8th ed., McGraw-Hill, higher Education, 2002.

- ➤ K.G.Rastogi, Reference Services in Library Science, Alfa Publications.
- ➤ Bhagwatiben Govindbhai Prajapati, Library and Information Science, Discovery Publishing House.
- ➤ Deepak kumar, Library Indexing and Abstracting, Discovery Publishing House.
- > Grogan, Denis: Pracical reference work. London, library Association, 1991.

	I SEM	IESTER	
DSC - 3	Information Proc Classifica	18UCLS13	
Hrs/Week:6	Hrs/ Sem: 90	Hrs/ Unit: 15	Credits: 5

Elements of Library Classification: Concepts, Terminology, Need Purpose and Functions Species of classification Schemes.

Unit-2:

Theory and Development: Historical Development, General Theory: Normative Principles, Modes of Formation of subjects.

Unit-3:

Approaches to Library Classification: Postulational Approach and Systems Approach, Fundamental Categories, Facet Analysis and Fact Sequence, Phase Relation and Common Isolates, Devices in Library Classification.

Unit-4:

Canons of Classification, Notation and construction of Classification Number: Notation: Need, Purpose, Types and Qualities, Call Number: Class Number, Book Number and Collection Number, construction of Class Number.

Unit-5:

General and Special Classifications Schemes: Dewey Deceimal Classification, Universal Decimal Classification, Colon classification, Current Trends in Library Classification.

Text Books:

- > S.R.Ranganathan, Prolegomena to Library Classification, Sarada Ranganathan Endowment.
- > S.R.Ranganathan, Colon Classification, Aisha Pathippagam.
- > S.R.Ranganathan, Classification and Communication, Sarada Ranganathan Endowment.
- S.R.Ranganathan, Elements of Library Classification, Sarada Ranganathan Endowment.
- ➤ Chakrabati, B, Library Classification theory, Calcutta, World Press.
- ➤ Krishan Kumar: Theory of Classification, Vikas Publisher.

- ➤ H.Bose, Universal Decimal Classification Theory and Practice, Sterling Publisher.
- ➤ A.A.N.Raju, Dewey Decimal Classification [DDC-20]: Theory and Practice: A Self Instructional Manual, T.R.Publications.
- M.S.Achdeva, Colon Classifications, Sterling Publisher.
- > S.R.Ranganathan, Colon Classification, Asia Publishing House.
- Rowley, Jennifer E.Ogranizing Knowledge: an introduction to information retrieval 2nd ex. Ashgati, 1992.

	I SEN	MESTER	
DSC - 4	Library Automa	ation and Networking	18UCLS14
Hrs/Week:4	Hrs/ Sem: 60	Hrs/ Unit: 12	Credits: 4

Library Automation: Definition, need, purpose and advantages. Automation Vs Mechanization.- Areas of Automation – Acquisition, Cataloguing, Access to Catalogue (OPAC), Circulation and Serial Control.

Unit-2:

Planning for Automation Procedure: Steps in Automation: Developing a basic Technology Plan. Identifying goals and objectives, Describing existing library services and technology, Feasibility Study, Assessing needs and priorities, Preparing strategic Plan, Hardware and Software selection and Implementation. Barcode Technology: Meaning, need, purpose and advantages. Types of barcodes: Dumb / Generic barcode and smart barcode – their application of RFID.

Unit-3:

Networking and Networks: Networking: Concept, need and advantages. Basic components of network Network Topologies – Star, Ring, Bus, Hierarchical, Tree and Complete. Wireless Networking. Types of Wireless Networks – LAN, MAN, WAN. Networks: General and Bibliographic. General – ERNET, NICNET, INFONET. Library Networks: OCLC, INFLIBNET, DELNET: Their objectives, Functions, Services and Activities.

Unit-4:

Internet: Concept, Features, Services, Search Engines – Concept. Types – Search Engines and Meta Search Engines, Advantages in using Search Engines. Internet: Internet Searching. Web Browsers – Purpose, Functions, Facilities available with different Browsers. Sample Search by using Internet Explorer and Netscape. Internet Security Internet Reference Sources: Identification, accessing. Various sources useful for librarians in providing Reference Services with examples. Evaluation of Internet Information Sources – Need, Methods / Techniques. Protocols: Definition, Concept. Types – General - TCP / IP, OSI. Other Protocols: SMTP, Telnet, FTP, HTTP, Z39.50.

Unit-5:

Hypertext, Hyper media: Markup Languages – HTML, XML, – Features. Web: Concept, Usefulness. Content Development / Content Creation for Web. Web Design – Methods

Text Books:

- Technology In Digital Library, Ganguli H C, Isha Publishers, Rs.790.00
- Digital Library Challenges And Prospects, Ganguli H C, Isha Publishers, Rs.790.00
- ➤ Library And Information Science In Digital Era, K.T.Dilly, Atlantic Publisher, Rs.150.00

- ➤ World Wide Web Design with HTML, C.Xavier, New Delhi:TMH, 2014.
- ➤ Internet Standards and Protocols, New Delhi : PHI, 2015.
- ➤ Automation and Networking of Libraries: A Manual of Library, Lakshmikant Mishra(2018).

	I SEMESTER	
DSCP - 1	Information Processing and Retrieval – Classification (Practical)	18UCLS1P
Hrs/Week:2	Hrs/ Sem: 30	Credit: 1

- 1. Classifying documents according to Colon Classification (6th Revised Edition)
- 2. Dewey Decimal Classification: 19th Edition

Text Books:

- > S.R.Ranganathan, Prolegomena to Library Classification, Sarada Ranganathan Endowment.
- S.R.Ranganathan, Colon Classification, Aisha Pathippagam.
- > S.R.Ranganathan, Classification and Communication, Sarada Ranganathan Endowment.
- > S.R.Ranganathan, Elements of Library Classification, Sarada Ranganathan Endowment.
- ➤ Chakrabati, B, Library Classification theory, Calcutta, World Press.
- ➤ Krishan Kumar: Theory of Classification, Vikas Publisher.

- ➤ H.Bose, Universal Decimal Classification Theory and Practice, Sterling Publisher.
- ➤ A.A.N.Raju, Dewey Decimal Classification [DDC-20]: Theory and Practice: A Self Instructional Manual, T.R.Publications.
- M.S.Achdeva, Colon Classifications, Sterling Publisher.
- > S.R.Ranganathan, Colon Classification, Asia Publishing House.
- Rowley, Jennifer E.Ogranizing Knowledge: an introduction to information retrieval 2nd ex. Ashgati, 1992.

I SEMESTER				
DSE – 1A	Office Automation	18UELS1A		
Hrs/Week:6	Hrs/ Sem: 90 Hrs/Unit: 15	Credits: 4		

Introduction to Computer: Definition - History & Generation of Computer - Application of Computer - Advantages of Computer - Characteristics of Computer - Types of Computer: **Memory:** Units, Representation, Types - Primary memory: Secondary memory - Components of CPU - **Input, Output devices**: Types of Computer Networks.

Unit-2:

MS-Word Working with Documents: Opening & Saving files, Editing text documents, Importing & Exporting documents, Sending files to others, Using Tool bars, Ruler, Using Icons, Formatting Documents - Setting Page Style - Creating Tables- Printing Documents-Shortcut keys.

Unit-3:

MS-EXCEL: Spread Sheet & its Applications, Opening Spreadsheet, Menumain menu Saving files, setting margins, converting files to different formats, spread sheets addressing-Rows, Coloums & Cells, referring cells& selective cells- Shortcut Keys. Entering & Deleting Data - Filling Continues rows, columns, Highlighting values, Finds, Search & repalace, Inserting

Unit-4:

MS Power Point: Introduction to presentation – Different presentation templates, **Creating a presentation** – Setting presentation – **Formatting a Presentation** – Adding style, Colour, Gradient fills, Arranging objects, Adding Header & Footer, Slide Background, Slide layout.

Unit-5:

Internet and Web Browser: Definition & History of Internet – Uses of Internet – Definition of Web-Addressing-URL-Different types of Internet Connections; Dial up connection, Broad band (ISDL,DSL, Cable), Wireless(Wi-Fi, WiMax, Satellite, Mobile) naming convention, browsers and its types, internet browsing, searching – Search Engines – Portals – Social Networking sites – Blogs.

Text Books:

➤ Microsoft Office – Complete Reference – BPB Publication

- ➤ Learn Microsoft Office Russell A. Stultz BPB Publication.
- Vikas Gupta, Comdex Computer Course Kit. Dreamtech Press.
- ➤ A.Hamil, Office Automation: Teaching Learning Material, Department of Commerce, Sadakathullah Appa College

	I SEMESTER	
DSE – 1B	Massive Open Online Course (any one)	18UELS1B
		Credits: 4

II SEMESTER				
DSC - 5	Library Inform	nation Technology	18UCLS21	
Hrs/Week:6	Hrs/ Sem: 90	Hrs/Unit: 15	Credits: 4	

Introduction to Computers: Computers: Generations, Types, Input and Output Devices, computer Architecture, Data Representation and Storage. Introduction to System Software and Application Software, Genesis of Operating Systems - Word Processing, Spreadsheets, PowerPoint Presentation

Unit-2:

Library Automation: Planning and Implementation, In-house Operations: Acquisition, Cataloguing, Circulation, Serial Control, OPAC etc. Library Software packages: Definition: Commercial and open source software with examples

Unit-3:

Database Management Systems: Concepts and Components, Database Structures, File Organization and Physical Design, Database Management System: Basic Functions, Potential Uses, RDBMS.

Unit-4:

Basics of Internet, Search Engines and Meta Search Engines, Internet Search Techniques, Eresources and online Databases.

Unit-5:

Networks, Topology, Types of Networks, NICNET, INFLIBNET & OCLC.

Text Books:

- ➤ Kumar P. S.G, Computerization of India Library, Br Publishing & Corporation
- Somnath Madan, Computer and Library Services, Commonwealth Publishers
- ➤ Ganguli H.C, Digital Library Challenges and Prospects, ISHA Publishers.

- ➤ Vikas Gupta, Comdex Computer Course Kit. Dreamtech Press.
- ➤ A.Hamil, Office Automation: Teaching Learning Material, Department of Commerce, Sadakathullah Appa College.
- ➤ Ganguli H.C, Technology in Digital Library, ISHA Publishers
- ➤ Moorthy A.L, Information Technology Application in Academic Libraries, Information & Library Network Centre.

	II SE	MESTER			
DSC - 6 Library Administration and Management 18UCLS2					
Hrs/Week:6	Hrs/ Sem: 90	Hrs/Unit: 15	Credits: 4		

General Principles of Management – POSDCORB, Planning, Scientific Principles of Management. Routines in various Sections: Acquisition, Serials, Reference, Technical Maintenance, Circulation with an exposure to locally available library automation software packages.

Unit-2:

Standard Operating Procedure [SOP] in Library, Implement 5'S Techniques in Library, Personnel Management – Human relations, Staffing, duties and responsibilities, Job Analysis.

Unit-3:

Library Finance and Budget types – Budgeting methods, Closed and Open Access System. Stock Verification and Shelf Rectification.

Unit-4:

Maintenance of Records in libraries, Library extension services, Event management.

Unit-5:

Library Statistics, Annual Report, Digitization, Conservation & Preservation of Documents.

Text Books:

- Manoj Saxena, Library Building Design and Planning
- Mittal, R.L, Library Administration, ESS ESS Publication
- Mahapatra, P.K.: Library Management, World Press, 1997.
- Ranganathan S. R, Library Manual, Saradha Ranghanathan.

- ➤ Kusum Verma, Library and Information Management, Vista Publication
- > Jagdish Sharma, Library Organization, Vikas Publishing House Pvt Ltd.
- Dr.Raghunath Pandey, Library Management New Concepts and Practices, Jnanada Prakashan.
- Sharma, Organisation and Administration of College Libraries, S.Chand & Company New Delhi

	II SEI	MESTER	
DSC - 7	Information Proce Catalogu	18UCLS23	
Hrs/Week:6	Hrs/ Sem: 90	Hrs/Unit: 15	Credits: 5

Concepts of library catalogue – Objective and functions, Catalogue Vs Bibliography. Development of codes for cataloguing since 1930. AACR-II, CCC.

Unit-2:

Types of catalogues – physical forms and inner forms, Normative principles – Cannons, Laws and Principles.

Unit-3:

Entries-parts of entries, kinds, Unit Card System-arrangement of entries. Standardization – ISBD (G) – MARC Format, CCF Format, Dublin Core Standards.

Unit-4:

Centralised Cataloguing, Co-operative Cataloguing, Compilation of Union Catalogue – UBC. Indexing systems: Pre Co-ordinate; Chain Indexing, PRECIS, POPSI, Post Co-ordinate: Uniterm indexing, KWIC, KWOC.

Unit-5:

Vocabulary control devices – Thesaurus-Definition, functions types, subject Heading Lists – Sear's List, LC Subject Headings.

Text Books:

- Girja Kumar, Theory of Cataloguing, S.Chand & Company New Delhi.
- ➤ Krishna Kumar, an Introduction to AACR2, Vikas Publishing House Pvt Ltd.
- Ranganathan S.R.: Classified Catalogue Code with additional rules for dictionary catalogue code, Bangalore, 1989.
- Tripathi, S.M.: Modern Cataloguing: Theory and Practive, Agra, S.L.Agarwala, 1982.

- Anand Ballabh, Library Classification & Cataloguing, Akansha Publishing House.
- Anglo-American Cataloguing Rules. 2nd ed. London, Library Association, 1988.

II SEMESTER				
DSC - 8	DSC - 8 Digital Libraries			
Hrs/Week:4	Hrs/ Sem: 60	Hrs/Unit: 12	Credits: 4	

Digital Libraries: Concept of Digital Libraries - Transition of libraries from traditional to digita: Definitions, Characteristics, Theoretical Fundamentals, merits, demerits and challenges

Unit-2:

Digital Library Management - Design and Organization of Digital Libraries: Architecture, Interoperability, Protocols and Standards; User Interfaces

Unit-3:

Digital content creation: organization and Management, files & formats - Overview of Major Digital Library Initiatives- Open Archives Initiative (OAI) and similar developments

Unit-4:

Building the digital library - Digitization - process and methods - Planning for Digitization - Institutional Repositories- Open Source Software for digital libraries: GSDL - DSpace - EPrints, Access to and Use of Digital Libraries; Storage, Archiving and Preserving Digital Collections.

Unit-5:

Web Technology: An overview; Web Browsers and Search Engines, Web sites and Web portal Tools and Techniques – Webpage design using HTML

Text Books:

> Ganguli H.C, Digital Library Challenges and Prospects, ISHA Publishers

Reference Books:

➤ Ganguli H.C, Technology in Digital Library, ISHA Publishers

	II SEMESTER	
DSCP - II	Information Processing and Retrieval – Cataloguing (Practical)	18UCLS2P
Hrs/Week:2	Hrs/ Sem: 30	Credits: 2

- 1. Cataloguing documents using Classified Catalogue Code, Ed.5.
- 2. Anglo-American Cataloguing Rules II (1978).

Text Books:

- ➤ Girja Kumar, Theory of Cataloguing, S.Chand & Company New Delhi.
- ➤ Krishna Kumar, an Introduction to AACR2, Vikas Publishing House Pvt Ltd.
- Ranganathan S.R.: Classified Catalogue Code with additional rules for dictionary catalogue code, Bangalore, 1989.
- > Tripathi, S.M.: Modern Cataloguing: Theory and Practive, Agra, S.L.Agarwala, 1982.

- Anand Ballabh, Library Classification & Cataloguing, Akansha Publishing House.
- ➤ Anglo-American Cataloguing Rules. 2nd ed. London, Library Association, 1988.

II SEMESTER			
DSE - II	Communication Skills and Soft Skills	18UELS2A	
Hrs/Week:6	Hrs/ Sem: 90 Hrs/Unit: 15	Credits: 3	

Soft Skills: Introduction-what are soft skills?- Importance of soft skills-Selling your soft skills-Attributes regarded as soft skills-social soft skills - thinking soft skills-Negotiating-Exhibiting your soft skills-Identifying your soft skills-Improving your soft skills -Will formal training enhance your soft skills-soft skills training - Train your self-Top 60 soft skills-Practicing soft skills-Measuring attitude.

Unit-2:

Art of Listening, Reading, Speaking and Writing: Introduction-What is listening? - Benefits of active listening - Kinds of listening - Advantages of active listening - Listening tips.

Reading is a cognitive process - Good readers are what they read - Benefits of reading - Different types of reading - Tips for effective reading - Difference stages of reading.

Defining communication –Special features of communication - Communication process - Channels of communication - Formal communication network - Informal communication network (grapevine communication) - Art of Public Speaking. Importance of writing - Creative writing - Writing tips.

Unit-3:

Body Language: Introduction - Body talk - Voluntary and involuntary body language - Forms of body language - Parts of body language - Origin of body language - Types of body language.

Group Discussion: Introduction – Meaning of GD – Why group discussion? Characters tested in GD – Tips on GD – Types of GD- Essential elements of GD – Difference characters in GD – Topics for GD.

Unit-4:

Preparing CV / Resume: Introduction -Meaning - Difference among Bio-data, CV and Resume -The terms -The purpose of CV writing - Types of resumes.

Interview Skills: Introduction - why an interview? - Types of interview - Dress code at interview -

How to present well in interview -Tips to make a good impression in an interview - job interview -Basic tips - how to search for job effectively- Interview quotations.

Unit-5:

Time Management: Introduction - Features of time - Three secrets to time management – Five steps to successful time management.

Stress Management: introduction - Meaning - Effects of stress - kinds of stress - Sources of stress.

Text Books

> Dr.K.Alex, Soft Skills, S.Chand.

II SEMESTER			
DSE – 2B	Massive Open Online Course (any one)	18UELS2B	
		Credits: 3	