

विष्णु



॥ मा विद्या या विमुक्तये ॥
स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड
'ज्ञानतीर्थ', विष्णुपुरी, नांदेड - ४३१ ६०६ (महाराष्ट्र राज्य) भारत
SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED
'Dnyanteerth', Vishnupuri, Nanded - 431 606 (Maharashtra State) INDIA

Established on 17th September, 1994, Recognized By the UGC U/s 2(f) and 12(B), NAAC Re-accredited with 'B++' grade

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शैक्षणिक वर्ष २०२४-२५ पासून लागू
केलेल्या आंतरविद्याशाखीय अभ्यास
विद्याशाखे अंतर्गत राष्ट्रीय शैक्षणिक
धोरणानुसार पदवी स्तरावरील द्वितीय वर्षाच्या
सुधारित (दुरुस्ती) अभ्यासक्रमाबाबत.

प रि प त्र क

संदर्भ : जा.क्र.:शै-१/एनइपी २०२०/पदवी/आविअपदवी/२०२५-२६/१३०, दिनांक : १६/०६/२०२५.


या परिपत्रकान्वये सर्व संबंधितांना कळविण्यात येते की, संदर्भीय परिपत्रकान्वये दिनांक २७ में २०२५ रोजी संपन्न झालेल्या मा. विद्यापरिषदेच्या बैठकीतील विषय क्रमांक १८/६१-२०२५ च्या ठरावानुसार मान्यता दिल्यानुसार आंतर विद्याशाखीय अभ्यास विद्याशाखे अंतर्गत राष्ट्रीय शैक्षणिक धोरणानुसार पदवी द्वितीय वर्षाचे अभ्यासक्रम शैक्षणिक वर्ष २०२५-२६ पासून लागू करण्यात आलेले आहेत. तथापी वरील संदर्भीय परिपत्रका अन्वये प्रकाशित केलेल्या अभ्यासक्रमामध्ये अभ्यासमंडळानी किरकोळ दुरुस्ती करून सुधारित अभ्यासक्रम सादर केला आहे. त्यानुसार खालील सुधारित अभ्यासक्रम लागू करण्यात येत आहे.

०१	B. A.- II nd year. Library and Information Science.
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सदरील परिपत्रक व अभ्यासक्रम प्रस्तुत विद्यापीठाच्या www.srtmun.ac.in या संकेतस्थळावर उपलब्ध आहेत. तरी सदरील बाब ही सर्व संबंधितांच्या निदर्शनास आणून द्यावी, ही विनंती.

'ज्ञानतीर्थ' परिसर,
विष्णुपुरी, नांदेड - ४३१ ६०६.
जा.क्र.:शै-१/एनइपी/आविशाखापदवी/२०२५-२६/
दिनांक ११/०८/२०२५




सहा.कुलसचिव
शैक्षणिक (१-अभ्यासमंडळ)
विभाग

- प्रत : १) मा. आधिष्ठाता, आंतर विद्याशाखीय अभ्यास विद्याशाखा, प्रस्तुत विद्यापीठ.
२) मा. संचालक, परीक्षा व मुल्यमापन मंडळ, प्रस्तुत विद्यापीठ.
३) मा. प्राचार्य, सर्व संबंधित संलग्नित महाविद्यालये, प्रस्तुत विद्यापीठ.
४) सिस्टीम एक्सपर्ट, शैक्षणिक विभाग, प्रस्तुत विद्यापीठ. याना देवून कळविण्यात येते की, सदर परिपत्रक संकेतस्थळावर प्रसिध्द करण्यात यावे.



**SWAMI RAMANAND TEERTH
MARATHWADA UNIVERSITY,
NANDED - 431 606 (MS)**



**(Credit Framework and Structure of Four Year UG Program with
Multiple Entry and Exit Option as per NEP-2020)**

**UNDERGRADUATE PROGRAMME OF
BACHELOR OF Library and Information Science**

Major in **Library and Information Science** and Minor in DSM (Subject)

**Under the Faculty of Interdisciplinary Studies
(SYUG-Semester Third & Fourth)**

**Effective from the Academic year 2025 – 2026
(As per NEP-2020)**



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Interdisciplinary Studies (Three Optional in the First Year)
Credit Framework for Four Year Multidisciplinary Degree Program
with Multiple Entry and Exit

Subject: **DSC** Library and Information Science (Major) / **DSM** (Minor 1 and Minor 2)

(For illustration **LIB, HOM** and **EDU. Etc.** combinations are considered, which may change for different combinations)

Year & Level	Sem ester	Optional 1 (Major) <i>(From the same Faculty)</i>	Optional 2 (Minor 1) <i>(From the same Faculty)</i>	Optional 3 (Minor 2) <i>(From the same Faculty)</i>	Generic Elective (GE) <i>(select from Basket 3 of Faculties other than Interdisciplinary Studies)</i>	Vocational & Skill Enhancement Course	Ability Enhancement Course (AEC) (Basket 4) Value Education Courses (VEC) / Indian Knowledge System (IKS) (Basket 5) <i>(Common across all faculties)</i>	Field Work / Project/Internship/ OJT/ Apprenticeship / Case Study Or Co-curricular Courses (CCC) (Basket 6 for CCC) <i>(Common across all faculties)</i>	Credits	Total Credits
1	2	3	4	5	6	7	8	9	10	11
1 (4.5)	I	ILIBCT1101 (T 2Cr) Library Organization ILIBCP1101 (P 2Cr) Library Fon. & Adm. Practical 4 Credits	4 Credits	4 Credits	ILIBGE1101 (Academic Library System) 2 Credits	ILIBSC1101 Reading Skill 2 Credits	AECENG1101 (2Cr) AECMIL1101 (2Cr) (Hin, Mar, Kan. Pal, Urd. San. Etc.) IKSXXX1101 (2Cr) 6 Credits		22	44
	II	ILIBCT1151 (T 2Cr) Library Administration ILIBCP1152 (P 2Cr) Library Fon. & Adm. Practical 4 Credits	4 Credits	4 Credits	ILIBGE1151 Library Communication Using the Internet 2 Credits	ILIBSC1151 Introduction To Information Resources 2 Credits	AECENG1151 (2Cr) AECMIL 1151 (2Cr) (Hin, Mar, Kan. Pal, Urd. San. Etc.) VECCOI1151 (2Cr) Constitution of India 6 Credits		22	
	Cum. Cr.	08	08	08	04	04	12	00	44	

Exit option: UG Certificate in Opt 1, Opt 2 and Opt 3 on completion of 44 credits and additional 4 credits from NSQF / Internship									
2 (5.0)	III	ILIBCT1201 (4cr) Library Classification Theory ILIBCT1202 (4cr) Library Classification Practical - DDC 8 Credits	ILIBMT1201 Library & Information Profession 4 Credits		ILIBGE1201 (2cr) Recent Trends in Information Communication 2 Credits	ILIBVC1201 E-Learning, Resource and Service 2 Credits	AECENG1201(2Cr) AECXXX1201(2Cr) (Hin, Mar, Kan, Pal, Urd, San, etc) 4 Credits	CCCCXX1201 (NCC/NSS/Sports/ Culture/Health Wellness/ Yoga Education / Fitness) 2 Credits	22
	IV	ILIBCT1251 (4cr) Basics of Computer & Information Technology ILIBCT1252 (4cr) Library Classification Practical - DDC 8 Credits	ILIBMT1251 Digital Library 4 Credits		ILIBGE1251 E-Resources and Services 2 Credits	ILIBVC1251 Basics of Digital Tech. in Libraries 2 Credits	AECENG1251(2Cr) AECXXX1251(2Cr) (Hin, Mar, Kan, Pal, Urd, San, etc) VECEVS1251 (2Cr) Environmental Studies 6 Credits		22
	Cum. Cr.	24	16	08	08	04+04=08	22	02	44
Exit option: UG Diploma in Major <u>DSC</u> and Minor <u>DSM</u> on completion of 88 credits and additional 4 credits NSQF / internship in <u>DSC</u>									
3 (5.5)	V	ILIBCT1301 (T 3Cr) ILIBCT1302 (T 3Cr) ILIBIK1303 (T 2Cr) ILIBCP1304 (P 2Cr) ILIBCP1305 (P 2Cr) 12 Credits	ILIBET1301 (T 3Cr) ILIBEP1301 (P 1Cr) 4 Cr	--	--	ILIBVC1301 4 Credits	--	ILIBFP1301 (2 Cr) 2 Credits	22
	VI	ILIBCT1351 (T 3Cr) ILIBT1352 (T 3Cr) ILIBCT1353 (T 2Cr) ILIBCP1354 (P 2Cr) ILIBCP1355 (P 2Cr) 12 Credits	ILIBET1351 (T 3Cr) ILIBEP1351 (P 1Cr) 4 Cr	--	--	ILIBVC1351 2 Credits	--	ILIBOJ1351 4 Credits	22
	Cum. Cr.	48+8=56	16	08	08	4+4 =12	22	10	132

Exit option: B. A. (Bachelor in Library and Information Science) with Major in <u>DSC</u> and Minor in <u>DSM</u>										
4 (6.0)	VII	ILIBCT1401 (T 4Cr) ILIBCT1402 (T 4Cr) ILIBCT1403 (T 2Cr) ILIBCP1404 (P 4Cr) 14 Credits	ILIBET1401 (T 3Cr) ILIBEP1401 (P 1Cr) 4 Cr	Research Methodology ILIBRM1401 4 Credits		--	--	--	--	22
	VIII	ILIBCT1451 (T 4Cr) ILIBCT1452 (T 4Cr) ILIBCT1453 (T 2Cr) ILIBCP1454 (P 4Cr) 14 Credits	ILIBET1401 (T 3Cr) ILIBEP1401 (P 1Cr) 4 Cr	--		--	--	--	ILIBOJ1451 4 Credits	22
	Cum Cr	Honours: 76+16=92	16+RM04	08	08	S-04 + V-08=12	(AEC-16+VEC-4+IKS-2) 22	(CC-02+FP/cs-04+OJT-04+OJT+4) 14	44	176
Exit option: B. A. (Hons. In Bachelor in Library and Information Science) with Major in <u>DSC</u> and Minor in <u>DSM</u>										
4 (6.0)	VII	ILIBCH1401 (T 3Cr) ILIBCH1402 (T 3Cr) ILIBCH1403 (T 4Cr) (H- Honours) 10 Credits	ILIBET1401 (T 3Cr) ILIBEP1401 (P 1Cr) 4 Cr	Research Methodology ILIBRM1401 4 Credits		--	--	--	Research Project ILIBRP1401 4 Credits	22
	VIII	ILIBCH1451 (T 3Cr) ILIBCH1452 (T 3Cr) ILIBCH1453 (T 4Cr) (H- Honours) 10 Credits	ILIBET1451 (T 3Cr) ILIBEP1451 (P 1Cr) 4 Cr	--		--	--	--	Research Project ILIBRP1451 8 Credits	22
										44
Exit option: B. A. (Hons with Research in Library and Information Science) <u>DSC</u> and Minor in <u>DSM</u>										
Total Credits		Major – 68+16= 84	Minor 16+RM04	08	GE/OE - 08	(S-04 + V-08) 12	(AEC-16 + VEC-4 + IKS-2) 22	(CC-02+FP/CS-04+OJT-04+RP-12) 22		176

Abbreviations:

- 1. DSC:** Department/Discipline Specific Core (Major)
- 2. DSE:** Department/Discipline Specific Elective (Major)
- 3. DSM:** Discipline Specific Minor
- 4. GE/OE:** Generic/Open Elective
- 5. VSEC:** Vocational Skill and Skill Enhancement Course
- 6. VSC:** Vocational Skill Courses
- 7. SEC:** Skill Enhancement Courses
- 8. AEC:** Ability Enhancement courses
- 9. MIL:** Modern Indian languages
- 10.IKS:** Indian Knowledge System
- 11.VEC:** Value Education Courses
- 12.OJT:** On Job Training: (Internship/Apprenticeship)
- 13.FP:** Field Projects
- 14.CEP:** Community Engagement and Service
- 15.CC:** Co-Curricular Courses
- 16.RM:** Research Methodology
- 17.RP:** Research Project/Dissertation



Swami Ramanand Teerth Marathwada University, Nanded

Assigning TEN DIGIT Codes to the Courses ALPHANUMERIC Coding AAAAAA XXXX

- 1) First (A) Letter indicate Faculty:** **H** – Humanities; **S** - Science; **C** – Commerce, & Management, **I** - Interdisciplinary Studies and **D** –Distance / External mode .
- 2) Next Three Letters(XXX) indicates Subject** (e.g. **ECO** – Economics, **PHY** – Physics, **COM** – Commerce, **CSC** – Computer Sci.) etc.
- 3) Fourth and Fifth Letters indicate nature of the course :** (e.g. **CT** – Core Theory, **CP** – Core Practical, **MT** – Minor Theory, **ET** – Elective Theory, **EP** – Elective Practical, **FP**– Field Project, **FW** – Field Work, **OJ** – On Job training, **GE** - Generic /open Elective, **IN** – Internship, **CS** – Case Study, **VC** - Vocational Skill Courses, **SC** - Skill Enhancement Courses, **AEC** - Ability Enhancement courses, **ML** - Modern Indian languages, **CCC** - Co-Curricular Courses/ Community Engagement and Service, **RM** - Research Methodology, **IKC** - Indian Knowledge System, **VEC** - Value Education Courses, etc.)
- 4) Sixth Character or First Number:** indicate the Centre (**1**- for Affiliated colleges, **2** -Main Campus, **3**- Model Degree College, **4**- Sub-Centre Latur, **5**-Sub-Centre Parbhani, **6** –Sub-Centre Kinwat)
- 5) Seventh Character or second number indicate** -Year of Study.e.g.**1** - First year,**2**- second year.etc.
- 6) Last Two Numbers** indicate Course Number

e.g. **ILIBCT1101** – Faculty of Interdisciplinary Studies (**I**) LIBRARY AND INFORMATION SCIENCE (**LIB**) subject Core Theory (**CT**) Course offered in the First Semester in affiliated colleges

Sr. No	UG/PG	Semester	Affiliated Colleges	Main Campus	Model Degree College	Sub-center Latur	Sub-center Parbhani	Sub-Centre Kinwat
1	First Year	Semester I	1101 to 1150	2101 to 2150	3101 to 3150	4101 to 4150	5101 to 5150	6101 to 6150
2		Semester II	1151 to 1199	2151 to 2199	3151 to 3199	4151 to 4199	5151 to 5199	6151 to 6199
3	Second Year	Semester III	1201 to 1250	2201 to 2250	3201 to 3250	4201 to 4250	5201 to 5250	6201 to 6250
4		Semester IV	1251 to 1299	2251 to 2299	3251 to 3299	4251 to 4299	5251 to 5299	6251 to 6299
5	Third Year	Semester V	1301 to 1350	2301 to 2350	3301 to 3350	4301 to 4350	5301 to 5350	6301 to 6350
6		Semester VI	1351 to 1399	2351 to 2399	3351 to 3399	4351 to 4399	5351 to 5399	6351 to 6399
7	Fourth Year	Semester VII	1401 to 1450	2401 to 2450	3401 to 3450	4401 to 4450	5401 to 5450	6401 to 6450
8		Semester VIII	1451 to 1499	2451 to 2499	3451 to 3499	4451 to 4499	5451 to 5499	6451 to 6499
9	Fifth Year	Semester IX	1501 to 1550	2501 to 2550	3501 to 3550	4501 to 4550	5501 to 5550	6501 to 6550
10		Semester X	1551 to 1599	2551 to 2599	3551 to 3599	4551 to 4599	5551 to 5599	6551 to 6599



B. A. Second Year Semester III (Level 4.5)

Teaching Scheme

	Course Code	Course Name	Credits Assigned			Teaching Scheme (Hrs/ week)	
			Theory	Practical	Total	Theory	Practical
Optional 1	ILIBCT1201	Library Classification Theory	04	--	08	04	--
	ILIBCP1202	Library Classification Practical -DDC)	-	04			08
Optional 2	SDSCMT1201	Library & Information Profession	04	--	04	04	--
	SDSCMP1201	Title of paper 2 (practical)	-				
Optional 3	SDSCMT1201	Title of paper 1		--			--
	SDSCMP1201	Title of paper 2 (practical)	-				
Generic Electives <i>(from other Faculty)</i>	ILIBGE1201	Recent Trends in Information Communication (Basket 3 of respective Faculty)	02	--	02	02	--
Skill Based Course <i>(related to Major)</i>	ILIBSC1201	E-Learning, Resource and Service		02	02	02	04
Ability Enhancement Course	AECENG1201	Compulsory English	02	--	02	02	--
Ability Enhancement Course	AECMIL1201	SL- (MAR/HIN/URD /KAN/PAL)	02	--	02	02	--
Indian Knowledge System (IKS)	IKSXXX1201	Select from Basket 5	02	--	02		--
Total Credits			16	06	22	16	12



B. A. Second Year Semester III (Level 4.5)

Examination Scheme

[20% Continuous Assessment (CA) and 80% End Semester Assessment (ESA)]

(For illustration we have considered a paper of 02 credits, 50 marks, need to be modified depending on credits assigned to individual paper)

Subject (1)	Course Code (2)	Course Name (3)	Theory				Practical		Total Col (6+7) / Col (8+9) (10)
			Continuous Assessment (CA)			ESA			
			Test I (4)	Test II (5)	Average of T1 & T2 (6)	Total (7)	CA (8)	ESA (9)	
Optional 1	ILIBCT1201	Library Classification Theory	20	20	20	80	--	--	100
	ILIBCP1202	Library Classification Practical-DDC)	--	--	--	--	20	80	100
Optional 2	SDSCMT1201	Library & Information Profession	20	20	20	80	--	--	100
	SDSCMP1101	Title of paper 2 practical	--	--	--	--			
Optional 3	SDSCMT1101	Title of paper 1							
	SDSCMP1101	Title of paper 2 practical	--	--	--	--			
Generic Elective(GE)	SDSCGE1201	Recent Trends in Information Communication (Basket 3)	10	10	10	40	--	--	50
Skill Based Course(SEC)	SDSCSC1201	E-Learning, Resource and Service	--	--	--	--	10	40	50
Ability Enhancement Course	AECENG1101	Compulsory English							
Ability Enhancement Course	AECMIL1101	SL-(MAR/HIN/URD /KAN/PAL)							
Indian Knowledge System	IKSXXX1101	Title (Basket 5)							



B. A. Second Year Semester IV (Level 4.5)

Teaching Scheme

	Course Code	Course Name	Credits Assigned			Teaching Scheme (Hrs/ week)	
			Theory	Practical	Total	Theory	Practical
Optional 1	ILIBCT1251	Basics of Computer & Information Technology	04	--	08	04	--
	ILIBCP1252	Library Classification Practical - DDC	-	04			08
Optional 2	SDSCMT1151	Digital Library	04	--	04	04	
	SDSCMP1152	Title of paper 2 (practical)					
Optional 3	SDSCMT1151	Title of paper 1					
	SDSCMP1152	Title of paper 2 (practical)					
Generic Electives(GE) <i>(from other Faculty)</i>	ILIBGE1251	E-Resources and Services (Basket 3 of respective Faculty)	02	--	02	02	--
Skill Based Course (SEC) <i>(related to Major)</i>	ILIBSC1251	Basics of Digital Tech. in Libraries		02	02	--	04
Ability Enhancement Course	AECENG1151	Compulsory English	02	--	02	02	--
Ability Enhancement Course	AECMIL1151	SL-MAR/HIN/URD /KAN/PAL)	02	--	02	02	--
	VECCOI1151		02		02	02	--
Total Credits			16	06	22	16	12



B. A. Second Semester IV (Level 4.5)

Examination Scheme

Subject (1)	Course Code (2)	Course Name (3)	Theory				Practical		Total Col (6+7) / Col (8+9) (10)
			Continuous Assessment (CA)			ESA			
			Test I (4)	Test II (5)	Average of T1 & T2 (6)	Total (7)	CA (8)	ESA (9)	
Optional 1	ILIBCT1151	Basics of Computer & Information Technology	20	20	20	80	--	--	100
	ILIBCP1152	Library Classification Practical-DDC	--	--	--	--	20	80	100
Optional 2	SDSCMT1151	Digital Library	20	20	20	80	--	--	100
	SDSCMP1152	Title of paper 2 practical	--	--	--	--			
Optional 3	ILIBGE1151	Title of paper 1							
	SDSCMP1152	Title of paper 2 practical	--	--	--	--			
Generic Elective	ILIBGE1151	E-Resources and Skills (Basket 3)	10	10	10	40	--	--	50
Skill Based Course	ILIBSC1151	Basics of Digital Tech. in Libraries	--	--	--	--	10	40	50
Ability Enhancement Course	AECENG1151	Compulsory English							
Ability Enhancement Course	AECMIL1151	SL- (MAR/HIN/URD /KAN/PAL)							
Value Education Courses	VECCOI1151	Constitution of India Basket 5)							

(Major) Curriculum Details

Swami Ramanand Teerth Marathwada University, Nanded

Library and Information Science
(With Effective-2025-2026)

B.A. SECOND YEAR

Semester-III

PAPER- Library Classification Theory

ILIBCT1201 Credits -4

Hours -60

Marks (80+20) =100

COURSE PRE-REQUISITE:

- 1) It is considering that the student enrolled in Library and Information Science courses should be introduced to basic knowledge of library works in library Classification.
- 2) This course should introduce the students to the knowledge of public & academic library.

COURSE OBJECTIVE:

While studying the library organization course student will be able to:

- To Understand the Universal Knowledge System
- To Develop Classification Skill

COURSE OUT COMES:

- Will be trained in classification skills.
- Will learn the Skills of knowledge organization
- Classify libraries on the basis of their purpose

(Major) Curriculum Details:

Swami Ramanand Teerth Marathwada University, Nanded

Library and Information Science

(With Effective-2025-26)

B.A. SECOND YEAR

Semester-III

PAPER- Library Classification Theory

ILIBCT:1201 Credits: 04

Hours: 60

Marks - Marks (80+20) =100

Module No.	Unit No.	Topic	Hrs. Required to cover the contents
1.0	I	Concept of Classification.	16
	1.1	Knowledge Classification and Book Classification	
	1.2	Define, Scope, Need	
	1.3	Purpose of Classification	
	1.4	Difference between Knowledge Classifications & Book Classification	
2.0	II	Detailed Structure & Special features of DDC Dewey decimal	14
	2.1	Special Features of D.D.C	
	2.2	Bio-Sketch of Dr.S.R. Ranganathan	
	2.3	Bio-Sketch of Melvil Dewey	
3.0	III	Characteristics of Classification	16
	3.1	Generalia Class, Form Class	
	3.2	Form Divisions/ Standard Subdivisions	
	3.3	Notation, Index of Types	
4.0	IV	Call Number	14
	4.1	Structure	
	4.2	Arrangement of Documents of Shelves	
	4.3	Brief study of colon classification	
	4.4	Brief study of UDC	
		Total	60

Reference Books:

1. Melville Dewey, (1989). Decimal Classification and Relative Index (Latest Edition). Lake Placid: Forest Press.
2. Ranganathan, S. R. (1972). Elements of Library Classification Ed. 3 rd. Bombay: Asia Publication House.
3. Ranganathan. S.R. (1976). Prolegomena to Library Classification Ed. 3rd. Bombay: Asia Publication House.
4. Sayers, W.C. Berwick (1910). Introduction to Library Classification. London: Andre Deutsch.
5. सातारकर सु. प्र. (2002), ग्रंथ वर्गीकरण तात्विक, नांदेड : संगत प्रकाशन
6. नरगुंदे रेवती (2012), ग्रंथालय वर्गीकरण पुणे : युनिव्हर्सल प्रकाशन,

Curriculum Details

Swami Ramanand Teerth Marathwada University, Nanded

Library and Information Science
(With Effective-2025-2026)

B.A. SECOND YEAR

Semester-III

PAPER- Library Classification Practical DDC

ILIBCT 1202 Credits -4

Hours -30

Marks (80+20) =100

COURSE PRE-REQUISITE:

1. It is considering that the student enrolled in Library and Information Science courses should be introduced to basic knowledge of library works in library Classification.

COURSE OBJECTIVE:

While studying the library organization course student will be able to:

- To Understand the Universal Knowledge System
- To Develop Classification Skill
- To Make Prepare About Classification Scheme

COURSE OUT COMES:

- Will be trained in classification skills.
- Will learn the Skills of knowledge organization
- Classify libraries on the basis of their purpose

Curriculum Details:

Swami Ramanand Teerth Marathwada University, Nanded

Library and Information Science

(With Effective-2025-26)

B.A. SECOND YEAR

Semester-III

PAPER- Library Classification Practical (DDC)

ILIBCT:1202 Credits: 04

Hours: 120

Marks (80+20) =100

Module No.	Unit No.	Topic	Hrs. Required to cover the contents
1.0	I	Main Class	30
	1.1	DDC Main Class	
	1.2		
	1.3		
	1.4		
2.0	II	Sub Class	30
	2.1	DDC Sub class	
	2.2		
	2.3		
3.0	III	Tables	30
	3.1	DDC 7 Table Introduction	
	3.2		
	3.3		
4.0	IV	First Three Tables	30
	4.1	DDC First three Tables	
	4.2		
	4.3		
	4.4		
		Total	120

Practical Note Book –

(Minimum 200 Titles should be classified by using DDC, Schedules, Seven Tables and Relative Index)

Note: - Division of Marks

- Continuous Assessment [Internal Practical Record Book -20 Marks]

ESE: -

- Practical Exam will be conduct annually (DDC – 80 Marks)

References:

- 1) Melvil Dewey (2003). Decimal Classification Scheme (DDC).
Edition. Dublin, Ohio: OCLC.
- 2) माडीवाले द. ब. (2008) दशांश वर्गीकरण, पुणे : दास्ताने रामचंद्र आणि कंपनी

Swami Ramanand Teerth Marathwada University, Nanded

**Library and Information Science
(With Effective-2025-2026)**

B.A. SECOND YEAR

Semester-III

PAPER- Library & Information Profession

ILIBMT 1201 Credits -4

Hours -60

Marks (80+20) =100

COURSE PRE-REQUISITE:

2. It is considering that the student enrolled in Library and Information Science courses should be introduced to basic knowledge of library works in library Classification.

COURSE OBJECTIVE:

While studying the library organization course student will be able to:

- To Understand the Universal Knowledge System
- To Develop Classification Skill
- To Make Prepare About Classification Scheme

COURSE OUT COMES:

- Will be trained in classification skills.
- Will learn the Skills of knowledge organization
- Classify libraries on the basis of their purpose

(Minor) Curriculum Details:

Swami Ramanand Teerth Marathwada University, Nanded

Library and Information Science

(With Effective-2025-26)

B.A. SECOND YEAR

Semester-III

PAPER- Library & Information Profession

ILIBMT:1201 Credits: 04

Hours: 60

Marks (80+20) =100

Module No.	Unit No.	Topic	Hrs. Required to cover the contents
1.0	I	Philosophy of Librarianship	16
	1.1	Definition , Need	
	1.2	Ethics of Librarianship	
	1.3		
2.0	II	Public Relation and Librarianship	14
	2.1	Library Publicity	
	2.2	Extension Activities	
	2.3		
3.0	III	Professional Skills and Competencies	14
	3.1	Role of Library and Information Professionals in Modern Age.	
	3.2		
	3.3		
4.0	IV	Role of Library Associations	16
	4.1	Maharashtra Library Association	
	4.2	ILA, RRRLF, IASLIC	
	4.3		
	4.4		
		Total	60

Reference Books:

1. Bhargave, G.D. (1977). Librarianship in India and Abroad: Retrospect and Prospect. New Delhi: Metropolitan Book Co. Pub. Pvt. Ltd.
2. Devranajan, G (1991). Professional Librarianship. New Delhi: Ess Publication.
3. Harrison, K.C. (1960). First Steps in Librarianship. London: Andre Deutsch.
4. Iyyangar, Shreenidhi (1996). Public Library Relations. New Delhi: Anmol Publication Pvt. Ltd.
5. Kumar, Sunil (2009). Librarians Manual 1st. Edi. New Delhi: Rajkot Publication.
6. Mukharjee, A.K. () Librarianship: It's Philosophy and History. Bombay: Asia Publication.
7. Mohamed Taher & Donald Davis Jr. (1994). Librarianship and Library Science in India. New Delhi: Concept Publishing Company Pvt. Ltd.

Swami Ramanand Teerth Marathwada University, Nanded

Library and Information Science
(With Effective-2025-2026)

B.A. SECOND YEAR

Semester-III

PAPER- Recent Trends in Information Communication

ILIBGE1201 Credits -2

Hours -30

Marks (40+10) =50

COURSE PRE-REQUISITE:

1. The course should introduce the students to the Recent Trends in Information Communication Technology
2. A student has the choice of achieving certain knowledge of Recent Trends in Information Communication Technology

COURSE OBJECTIVE:

While studying the Recent Trends in Information Communication Technology_course student will be able to:

- To explain the concept of Information and Communication Technology
- To explain the concept of Networking & Internet
- To explain the concept of Web Technology & Current Trends

COURSE OUT COMES:

- To understand the concept of Information and Communication Technology
- To understand the concept of Internet & Web Technology
- To understand the concept of Networking & Current Trends

ILIBGE1201 (GE) Curriculum Details

Library and Information Science

(With Effective-2025-26)

B.A. SECOND YEAR

Semester-III

PAPER- Recent Trends in Information Communication (GE)

ILIBGE:1201 Credits: 02

Hours: 30

Marks: (40+10) =50

Module No.	Unit No.	Topic	Hrs. Required to cover the contents
1.0	I	Information and Communication Technology	08
	1.1	Information and Communication Technology	
	1.2	Concept, Meaning, Definitions, Scope, Need, Advantages	
	1.3	Information generation and communication channels	
2.0	II	Internet	08
	2.1	Internet: Meaning, Definitions	
	2.2	Type of connectivity, components, Internet protocols	
	2.3	Internet Security, Search Engines	
3.0	III	Web Technology	06
	3.1	World Wide Web: History and Evolution, Uniform Resource Locator (URL), Network Protocols	
	3.2	Web Browsers- Netscape Navigator, Internet Explorer	
	3.3	Search Engines: Google and Yahoo, Security Issues	
4.0	IV	Networking	08
	4.1	Network: Concept, Need, Advantages	
	4.2	Wi-Fi, Networking Techniques	
	4.3	Networking Security: Authentication, Firewalls, Virus	
		Total	30

Reference Books:

1. Balasubramanian, P. (2012). Web technologies in Library & Information Science. New Delhi: Regal publications
2. Godia, Kundan (2007). Access and the Changing Trends in Libraries Delhi: Adhyayan Publishers and Distributors.
3. Kumar, Arvind (2004). Information Technology for all, New Delhi: Anmol Publication.
4. Kumar, P.S.G. (2004). Information technology: Applications (Theory and Practice). Delhi: B.R Publishing.
5. Kumbhar, Rajendra (2001). Information Communication Technology, Pune Universal Publication.
6. Mittal Prabhat & Goel Ritendra (2005). Introduction to computer & information system, New Delhi : Paragon international publication.
7. Lihitkar, S.R. (2017). Information landscapes: A scenario. New Delhi: Ess. Ess. Publication.
8. Lihitkar, S, R. (2017): Web 2.0 in Libraries, New Delhi: Studara Publication.
9. Phadke, D. N. (2018). Library & Information Technology, Pune: Universal Publication.

Swami Ramanand Teerth Marathwada University, Nanded

Library and Information Science
(With Effective-2025-2026)

B.A. SECOND YEAR

Semester-III

PAPER- E-Learning, Resources and Services

ILIBGE1201 Credits -2

Hours -60

Marks (40+10) =50

COURSE PRE-REQUISITE:

1. The course should introduce the students to the E-Learning, E-Resources and Services
2. A student has the choice of achieving certain knowledge of E-Learning, E-Resources and Services

COURSE OBJECTIVE:

- To make the students acquainted with the open access movement and electronic publishing
- To explain the concept of Electronic Information Sources
- To explain the concept of Electronic Publishing

COURSE OUT COMES:

- Libraries provide digital resources, online courses, and support services, fostering lifelong learning and skill development in the field
- To understand the concept of Technologies for E-Publishing

Library and Information Science

(With Effective-2025-26)

B.A. SECOND YEAR

Semester-III

Paper Title: E-Learning, Resources and Services (VC)

ILIBGE:1201 Credits: 02

Hours: 60

Marks: (40+10) =50

Module No.	Unit No.	Topic	Hrs. Required to cover the contents
1.0	I	E- Learning	15
	1.1	Meaning, Definition Of E-Learning	
	1.2	E-Learning Tools And Technologies	
	1.3	Benefits Of E-Learning	
		Practice	
2.0	II	Electronic Information Sources	15
	2.1	Meaning, Definition, Characteristics and Use	
	2.2	Growth and development of Electronic Information Sources	
	2.3	Types and of Electronic Information Sources. Practice	
3.0	III	Electronic Publishing	15
	3.1	Concept and meaning Recent trends in electronic publishing	
	3.2	Open Access Publishing: Concept, Models, Advantages & Disadvantages.	
	3.3	Open Archives Initiative (OAI),Practice	
4.0	IV	Electronic Information Services	15
	4.1	Meaning, Definition, Need and Scope	
	4.2	Types of electronic information services	
	4.3	Emerging Trends and Technologies useful for Electronic Information Services	
	4.4	Software & Hardware Requirements , Practice	
		Total	60

Reference Books:

1. Ali, Amjad (2007). Digital Libraries and information, New Delhi: Ess Ess Publication.
2. Dhaman, Anil & Rani Yashoda (2007.) Resource sharing & Library and information Networks, New Delhi: Ess Ess Publication.
3. Dhiman Anil & Rani Yashoda (2005). Information and Reference Sources and services, New Delhi : Ess Ess Publication.
4. Mete, Mahendra (2004). Open Source Software in Indian Libraries, Jaipur : Yking Book Publication Exporters.
5. Mahapatra, M & Ramesh, D.B. (2004). IT Technology Application in Libraries, A Text Book for Beginners, Orissa: Reproprint Pvt. Ltd.
6. Phadke, D. N. (2018). Library Information Technology, Pune: Universal Prakashan.
7. Kumbhar, Rajendra (2001). Information Communication Technology, Pune Universal Publication.
8. Sharma, Jitendra Kumar (2003). Print Media and Electronic Media: Implications for the future. Delhi: Authorspress.



Swami Ramanand Teerth Marathwada University, Nanded
Under the Faculty of Interdisciplinary Studies
(Semester Fourth)

SYLLABUS: Library and Information Science

(UNDER GRADUATION)

Effective from the Academic year 2025 – 2026

(As per NEP-2020)

(Major) Curriculum Details

Swami Ramanand Teerth Marathwada University, Nanded

Library and Information Science
(With Effective-2025-2026)

B.A. SECOND YEAR

Semester-IV

PAPER- Basics of Computer and Information Technology

ILIBCT1251 Credits -4

Hours -60

Marks (80+20) =100

COURSE PRE-REQUISITE:

1. To Introduce Basic Concepts of Computer
2. To Acquaint Students About Library Automation

COURSE OBJECTIVE:

While studying the library organization course student will be able to:

- To Introduce the student's computer and its components.
- To Develop Library Automation concept.

COURSE OUT COMES:

- Introduction to Computer Hardware and software Knowledge.
- To Develop Library Automation concept.

(Major) Curriculum Details:

Swami Ramanand Teerth Marathwada University, Nanded

Library and Information Science

(With Effective-2025-26)

B.A. SECOND YEAR

Semester-IV

PAPER- Basics of Computer and Information Technology

ILIBCT:1251 Credits: 04

Hours: 60

Marks (80+20) =100

Module No.	Unit No.	Topic	Hrs. Required to cover the contents
1.0	I	Introduction of Computers	16
	1.1	Overview and historical developments, types.	
	1.2	Input & Output Devices	
	1.3	Computer Architecture	
	1.4	Organization of computer	
2.0	II	Hardware & Software , Operating System	16
	2.1	Introduction to System Software, Application Software	
	2.2	Operating System, DOS, Windows, Linux Windows NT	
	2.3	Windows, Linux, Windows NT	
3.0	III	Use of Computer in Library	14
	3.1	Use of Computer in Library House keeping	
	3.2	Administration, Acquisition	
	3.3	Cataloguing, Circulation, Serial Control, OPAC etc	
4.0	IV	Library Automation, IT	14
	4.1	Concept Meaning, concept , definition, Need	
	4.2	Library Automation Planning, Implementation	
	4.3	Concept of IT , Need Advantages	
	4.4	Use of Library in Information Technology	
		Total	60

Reference Books:

1. Balasubramanian, P. (2011). Advanced Computer Application in Library and Information Science. New Delhi: Regal Publications.
2. C. Praveen Singh (2007). Library Automation in Modern Age. New Delhi: Alfa Publications.
3. Hirwade, M.A. and Anil W.Hirwade. (2007) Information Technology: A Practical Manual. Mumbai, Himalaya Publishing House. p.164
4. Kumar, P.S.G. (1987). Computerization of Indian Libraries. New Delhi: B.R. Words of Book.
5. Mishra, P.N. (2010). Data Storage and Information Systems in Libraries. New Delhi: Alfa Publications.
6. Rao, V.P.S. (2005). Library and Information Technology. New Delhi: Sonali Publications
7. Singh, S.P. (2009). Information Technology in Library Science. New Delhi: Omega Publications.
8. Singh, Mananvendra (2006). Computerization in Libraries. New Delhi: Vishvabharti Publications.
9. फडके द.ना.: ग्रंथालय संगणकीकरण आणि आधुनिकीकरण ,पुणे: युनिव्हर्सल प्रकाशन
10. खेरडे मोहन रा. : ग्रंथालय संगणकीकरणाची मुलतत्वे : अमरावती, सुयोग प्रकाशन

Curriculum Details

Swami Ramanand Teerth Marathwada University, Nanded

Library and Information Science
(With Effective-2025-2026)

B.A. SECOND YEAR

Semester-IV

PAPER- Library Classification Practical DDC

ILIBCT 1252 Credits -4

Hours -120

Marks (80+20) =100

COURSE PRE-REQUISITE:

3. It is considering that the student enrolled in Library and Information Science courses should be introduced to basic knowledge of library works in library Classification.

COURSE OBJECTIVE:

While studying the library organization course student will be able to:

- To Understand the Universal Knowledge System
- To Develop Classification Skill
- Schemes for classification various documents.

COURSE OUT COMES:

- Will be trained in classification skills.
- Will learn the Skills of knowledge organization
- Classify libraries on the basis of their purpose

Curriculum Details:

Swami Ramanand Teerth Marathwada University, Nanded

Library and Information Science

(With Effective-2025-26)

B.A. SECOND YEAR

Semester-IV

PAPER- Library Classification Practical (DDC)

ILIBCT:1252 Credits: 04

Hours: 120

Marks (80+20) =100

Module No.	Unit No.	Topic	Hrs. Required to cover the contents
1.0	I	Sub Classifications	30
	1.1		
	1.2		
	1.3		
	1.4		
2.0	II	Use of 7 tables	30
	2.1		
	2.2		
	2.3		
3.0	III	Add to Instructions	30
	3.1		
	3.2		
	3.3		
4.0	IV	Web Dewey (DDC)	30
	4.1		
	4.2		
	4.3		
	4.4		
		Total	120

Practical Note Book –

(Minimum 200 Titles should be classified by using DDC, Schedules, Seven Tables and Relative Index)

Note: - Division of Marks

- Continuous Assessment [Internal Practical Record Book -20 Marks]

ESE:-

- Practical Exam will be conduct annually (DDC – 80 Marks)

References:

- 3) Melvil Dewey (2003). Decimal Classification Scheme (DDC).
Edition. Dublin, Ohio: OCLC.
- 4) माडीवाले द. ब. (2008) दशांश वर्गीकरण, पुणे : दास्ताने रामचंद्र आणि कंपनी

Swami Ramanand Teerth Marathwada University, Nanded

**Library and Information Science
(With Effective-2025-2026)**

B.A. SECOND YEAR

Semester-IV

PAPER- Digital Library

ILIBMT 1201 Credits -4

Hours -60

Marks (80+20) =100

COURSE PRE-REQUISITE:

1. To make familiar with the techniques used in creation of Digital Library
2. This course should introduce the students to the Digital Library

COURSE OBJECTIVE:

- To explain the concept of Digital Library
- To explain the concept of Digital Library Architecture & Design
- To explain the concept of Digitization and Digital Preservation

COURSE OUT COMES:

- To understand the concept of Concept of Digital Library
- To understand the concept of Digital Library Architecture & Design
- To understand the concept of Digitization and Digital Preservation

(Minor) Curriculum Details:

Swami Ramanand Teerth Marathwada University, Nanded

Library and Information Science

(With Effective-2025-26)

B.A. SECOND YEAR

Semester-IV

PAPER- Digital Library

ILIBMT:1251 Credits: 04

Hours: 60

Marks (80+20) =100

Module No.	Unit No.	Topic	Hrs. Required to cover the contents
1.0	I	Concept of Digital Library	08
	1.1	Historical Development of Digital Libraries	
	1.2	Digital Library: Concept, Meaning, Definition	
	1.3	Need & Characteristics, Major Components of Digital Library	
2.0	II	Digital Library Architecture & Design	08
	2.1	Components and their relationships involved in Digital Libraries	
	2.2	Architecture, Interoperability, Compatibility, User Interfaces	
	2.3	Planning, Implementation, Promotion and Evaluation of Digital Libraries	
3.0	III	Digital Rights Management (DRM)	06
	3.1	Digital Rights Management (DRM) - Meaning, Functional Architecture	
	3.2	Information Architecture, DRM and Legal Aspect	
	3.3	Copyright and Rights Management in Digital Libraries	
4.0	IV	Digitization and Digital Preservation	08
	4.1	Digitization – forms, process, techniques; scanning, OCR, editing and publishing, Digital camera etc.	
	4.2	Open Standards and File Formats, Metadata and Metadata Standards	
	4.3	Guidelines, methods, techniques and best practices for digital preservation, Issues and challenges for digital archiving and preservation	
		Total	30

References Books :

1. Bala, Harsh (2010): Digital Library preservation and archiving, GNOSIS, New Delhi.
2. Chowdhury, G.G. (2003): Introduction to Digital Libraries, Facet Publishing, University of Michigan.
3. Goel, Vivek (2012): Digital Library and its issues, Ankit Publishing House, New Delhi.
4. Dwivedi, S.C. Digital Library, Vol1 and 2. New Delhi: Shree Publishers, 2005.
5. Gopal, Krishan. Library Online Cataloguing in Digital way. Delhi:Authors Press, 2000.
6. Kaur, Amritpal. Internet: The Global Digital Library. Delhi: Vista International Publishing, 2010.
7. Lihitkar, S.R. Creation of Institutional Repositories: A Step by Step Approach.. Nagpur: Sai Publication, 2015.
8. Mittal Savita. Digital Library Resources. New Delhi: EssEss Publication, 2005.
9. Nazeer Badhusa K. (2009): Digital Library Architecture, Ane Books, New Delhi.
10. Ojha, D.C. Advance in Library and Information Science. Jodhpur: Scientific Publisher, 2000.
11. Singh, G.K. Principles of Digital Library Development. New Delhi:Shree Publishers, 2004.
12. Singh, Ram Shobhit, ed. Encyclopaedia of Digital Libraries, Vol 1-2. New Delhi: Anmol Publication, 2008.
13. Verma, Kusum. Digital Library and Information Developments. Delhi: Vista International Publishing, 2008.
14. Witten, Ian H. (2010): How to Build a Digital Library, Elsevier, Amsterdam
15. Sinha Kamla (): Information Preservation in Digital Library, Vista International Publishing House, New Delhi.
16. फडके द.ना.: ग्रंथालय संगणकीकरण आणि आधुनिकीकरण ,पुणे: युनिव्हर्सल प्रकाशन

Swami Ramanand Teerth Marathwada University, Nanded

Library and Information Science
(With Effective-2025-2026)

B.A. SECOND YEAR

Semester-IV

PAPER-E-Resources and Services

ILIBGE1201 Credits -2

Hours -30

Marks (40+10) =50

COURSE PRE-REQUISITE:

1. The course should introduce the students to the E-Resources and Services
2. A student has the choice of achieving certain knowledge of E-Resources and Services

COURSE OBJECTIVE:

- To explain the concept of Electronic Information Sources
- To explain the concept of Electronic Publishing
- To explain the concept of Technologies for E-Publishing

COURSE OUT COMES:

- To understand the concept of Electronic Information Sources
- To understand the concept of Electronic Publishing
- To understand the concept of Technologies for E-Publishing

Library and Information Science

(With Effective-2025-26)

B.A. SECOND YEAR

Semester-IV

PAPER- E-Resources and Services (GE)

Credits: 02

Hours: 30

Marks: (40+10) =50

Module No.	Unit No.	Topic	Hrs. Required to cover the contents
1.0	I	Electronic Information Sources	08
	1.1	Meaning, Definition, Characteristics and Use	
	1.2	Growth and development of Electronic Information Sources Evaluation criteria for Electronic Information Sources	
	1.3		
2.0	II	Electronic Information Services	08
	2.1	Meaning, Definition, Need and Scope	
	2.2	Types of electronic information services	
	2.3	Emerging Trends and Technologies useful for Electronic Information Services.	
3.0	III	Software & Hardware Requirements	08
	3.1	Software Requirement	
	3.2	Hardware Requirements	
	3.3	Mark-up Languages: SGML, HTML and XML.	
4.0	IV	Electronic Publishing	06
	4.1	Concept and meaning Recent trends in electronic publishing	
	4.2	Impact of electronic publishing on library practices	
	4.3	Open Access Publishing: Concept, Models, Advantages & Disadvantages.	
		Total	30

References Books:

1. Beall, J. (2013). Predatory publishing is just one of the consequences of gold open access. *Learned Publishing*, 26(2), 79–83.
2. Chowdhury, G.G. and Chowdhury, Sudatta (2000). *Searching CD-ROM and online Information sources*.
London: Library Association.
3. Cooper, M. D. (1996). *Design of Library automation systems: File structures, data structures and tools*. New York: John Wiley.
4. Dickson, G.W. and Desantis, G. *Information technology and the future enterprise: new models for managers*. New Jersey: Prentice Hall.
5. Ferris, Jeffrey A. (2000). *Windows 2000: Development and desktop management*. Indiana: New Riders.
6. Gallimore, A. (1997). *Developing an IT strategy for your Library*. London: Library Association.
7. Sharma, Jitendra Kumar (2003). *Print Media and Electronic Media: Implications for the future*. Delhi, Authorspress.

Swami Ramanand Teerth Marathwada University, Nanded

Library and Information Science
(With Effective-2025-2026)

B.A. SECOND YEAR

Semester-IV

PAPER- Basics of Digital Tech. in Libraries

ILIBGE1201 Credits -2

Hours -60

Marks (40+10) =50

COURSE PRE-REQUISITE:

1. To acquire digital skills is becoming integral part of the library profession.
2. Digital technology libraries became successful to upgrade their services and bring drastic changes in sources and services.

COURSE OBJECTIVE:

- To Make Aware About Digital Technology
- To Inculcate Digitization Skills

COURSE OUT COMES:

- To Make Aware About Digital Technology
- To Inculcate Digitization Skills

Library and Information Science

(With Effective-2025-26)

B.A. SECOND YEAR

Semester-IV

Paper Title: Basics of Digital Tech. in Libraries (VC)

Credits: 02

Hours: 60

Marks: (40+10) =50

Module No.	Unit No.	Topic	Hrs. Required to cover the contents
1.0	I	Digital Technology	15
	1.1	Concept of Digital Technology	
	1.2	Features, Need and Scope	
	1.3	Important of Digital Technology in Library, Practice	
2.0	II	Digital Services	15
	2.1	Digital Services in Libraries	
	2.2	Role of Digital Services	
	2.3	Use of Digital Services in Libraries, Practice	
3.0	III	Digitization	15
	3.1	Digitization Tools and Techniques	
	3.2	Digitization Skills	
	3.3	Important of Digitization , Practice	
4.0	IV	Digital Library Software	15
	4.1	Studying and feature of GSDL/DSpace	
	4.2	Installation and developing collection using GSDL/DSpace	
	4.3	Copyright issues in the development of Digital Library , Practice	
		Total	60

References:

- 1) Ali, Amjad (2007). Digital Libraries and Information Networks. New Delhi: ESS Publishers.
- 2) Ali, Amjad (2005). Digital Libraries in the Making. New Delhi: ESS Publishers.
- 3) Das, S. K. (2015). An Introduction to Digital Resources Description. New Delhi: ESS Publishers.
- 4) Jeevan, V.K.J. (2003). Digital Libraries. New Delhi: ESS Publishers.
- 5) Kiyanoush Ghalavad. (2013). Digital Library. New Delhi: Regal Publications.
- 6) Mittal, Savita (2005). Digital Library Resources. New Delhi: ESS Publishers.
- 7) Nigam, B.S. (2008). Digital Libraries. New Delhi: Mahamaya Publication House.
- 8) Rajshekharan, K., Nair R. Raman and Nafala, K.M. (2010). Digital Library Basic. New Delhi: ESS Publishers.
- 9) Singh, C. Praveen (2008). Digital Libraries Tools And Techniques. New Delhi: Alfa Publications.