Part A

Name of Department: Department of Library and Information Science

- **Department Vision:**

    We develop the skilled information professionals to meet the challenges of knowledge society.

- **Department Mission:**

    We promote academic excellence in teaching, learning, research, collaboration and innovation for the purpose of producing competent LIS professionals. .

- **Name of Program:** Master of Library and Information Science

    - **Program Outcomes (POs)**

    LIS Students:

1. Will be trained in Technological knowledge and professional skills.
2. Will be able to effectively administer and manage Libraries and Information Centers.
3. Will learn the skills of organizing information and recorded knowledge.
4. Will become competent for job opportunities in LIS and related field.

    - **Program Specific Outcomes (PSOs)**

LIS Students:

1. Can manage information resources and the information life-cycle through the processes of collection development, organization, preservation, curation, access, and dissemination in accordance with physical, virtual, and technical infrastructure and needs.

2. Can design and implement policies essential for creating and providing information services and resources guided by the values of patron privacy, equitable access, intellectual freedom, and ethical use of information.

3. Can perform and access research based practices through the application of information literacy, inquiry, and research methods including data discovery, analytics and qualitative measures.

- **Syllabus Structure:** Choice Based Credit System (NEP-2020)
- **Year of Implementation of this syllabus:** 2023-24

Part B

Syllabus Structure: Choice Based Credit System (NEP-2020)

- One year regular programme in two semesters with CBCS (68 Credits)
- Theory Examination: 04 Discipline Specific Core Course (DSC): 400 Marks (80+20 Pattern) + 01 Discipline Specific Elective Course (DSE): 100 Marks (80+20 Pattern) + 01 – Skill Enhancement Course (SEC): 50 Marks (40+10 Pattern) = **550 Marks**
- Practical Examination: 03 Practical Papers: **300 Marks** (80+20 Pattern)
- Total Exam. Marks: **850 Marks for each semester**.
- Grand Total (**Sem. I + Sem.II**) = **1700 Marks**

Semester-wise courses, their COs and Mapping Matrices

Semester: I

Course Code- Name of Course: 91810- Information Retrieval, Repackaging and Consolidation

Course Outcomes:

1. **CO1:** To become familiar with the standard methods used to organize and store collections of terms.
2. **CO2:** To become able to analyze and evaluate ISAR tools and systems.
3. **CO3:** To know the different ways in which information can be repackaged.

Course Articulation Matrix:

COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	1	2	1	0	2	0	1
CO2	0	0	0	0	1	0	0
CO3	0	1	1	1	2	0	1
Total	**1**	**3**	**2**	**1**	**5**	**0**	**2**
Average	**0.333**	**1**	**0.666**	**0.333**	**1.666**	**0**	**0.666**

Course Code- Name of Course: 91811 - Research Methodology

Course Outcomes:

1. **CO1:** Understanding the value of research in Library and information Science.
2. **CO2**To make students acquainted with research process.
3. **CO3:** To introduce the students with various research methods.

   Course Articulation Matrix:

   COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

   ii.

PO→ CO ↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	1	1	0	0	1	0	0
CO2	0	1	2	1	0	1	3
CO3	0	1	2	1	0	1	3
Total	**1**	**3**	**4**	**2**	**0**	**2**	**6**
Average	**0.333**	**1**	**1.333**	**0.666**	**0.333**	**1.333**	**2**

Course Code- Name of Course: 91812 -Information and Communication Technology Applications

Course Outcomes:

1. **CO1:** To be acquainted with the ICT technology.
2. **CO2:** To train students about the Advanced ICT Applications.
3. **CO3:** To develop acquaintance for effective implementation of ICT in libraries.

   Course Articulation Matrix:

   COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO ↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	2	1	0	0	1	0	1
CO2	3	1	1	0	2	0	1
CO3	3	1	0	0	1	1	1

Total	8	3	1	0	4	1	3
Average	2.666	1	0.333	0	1.333	0.333	1

Course Code- Name of Course: 9183 - Web Technologies

Course Outcomes:

1. **CO1:** To introduce the students with basic concepts of Web technology.

2. **CO2:** To familiarize the students with the concepts of web page design.

3. **CO3:** To acquaint students with the current trends in web technologies.

Course Articulation Matrix:

   COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO ↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	2	1	0	0	1	0	1
CO2	2	1	0	0	1	0	1
CO3	2	1	1	0	1	0	1
Total	**6**	**3**	**1**	**0**	**3**	**0**	**3**
Average	**2**	**1**	**0.333**	**0**	**1**	**0**	**1**

Course Code- Name of Course: 91817 -E-Publishing

Course Outcomes:

1. **CO1:** To make the students acquainted with the basic concepts E- Publishing.

2. **CO2:** To make the students acquainted with the recent trends in E-Publishing.

3. **CO3**: To familiarize the students with the current issues in E-Publishing.

4. **CO4:** To introduce the students with the technologies used for E-Publishing.

Course Articulation Matrix:

   COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO ↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3

CO1	2	0	1	0	1	0	1
CO2	1	0	0	0	1	1	1
CO3	1	0	1	0	1	0	1
CO4	1	0	1	0	1	0	1
Total	**5**	**0**	**3**	**0**	**4**	**1**	**4**
Average	**1.25**	**0**	**1**	**0**	**1**	**0.25**	**1**

Course Code- Name of Course: 91818 -Scientometrics

Course Outcomes:

1. **CO1:** To impart in depth knowledge on scientometries.
2. **CO2:** To inculcate skills in learners that would enable them to collect and analyses scientometries data.
3. **CO18:** To train the students for measuring Research output.

Course Articulation Matrix:

COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	0	0	1	0	1	0	1
CO2	0	2	2	0	1	0	2
CO3	0	0	3	1	0	0	3
Total	**0**	**2**	**6**	**1**	**2**	**0**	**6**
Average	**0**	**0.66b6**	**2**	**0.333**	**0.666**	**0**	**2**

Course Code- Name of Course: 91815– ICT Applications

Course Outcomes:

1. **CO1:** To provide practical hands on training in library automation softwares.
2. **CO2:** To develop the internet searching skills & techniques among the students.
3. **CO3:** To train the students about effective use of search engines.

Course Articulation Matrix:

COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO ↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	3	1	1	0	1	0	1
CO2	2	0	1	2	2	2	3
CO3	1	2	1	1	2	2	0
Total	**6**	**3**	**3**	**3**	**5**	**2**	**4**
Average	**2**	**1**	**1**	**1**	**1.6**	**0.5**	**1.3**

Course Code- Name of Course: 91815- E- publishing

Course Outcomes:

1. CO1: To make the students acquainted with the basic concepts E- Publishing.
2. CO2: To make the students acquainted with the recent trends in E-Publishing.
3. CO3: To familiarize the students with the current issues in E-Publishing.
4. CO4: To introduce the students with the technologies used for E-Publishing.

Course Articulation Matrix:

COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO ↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	2	0	0	2	1	1	1
CO2	1	1	1	2	1	1	1
CO3	2	1	0	1	0	1	0
CO4	1	1	1	1	1	1	1
Total	**6**	**3**	**2**	**6**	**3**	**4**	**3**
Average	**1.5**	**0.75**	**0.5**	**1.5**	**0.75**	**1**	**0.75**

Course Code- Name of Course: 91816- Documentation Services: Abstracting and Indexing

Course Outcomes:

1. **CO1:** To train the students in designing & developing IR Thesaurus.
2. **CO2:** To train the students to prepare different types of abstracts and indexes.

Course Articulation Matrix:

COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	0	1	1	2	0	1	1
CO2	1	1	1	1	1	1	0
Total	**0**	**1**	**1**	**3**	**1**	**1**	**1**
Average	**0.5**	**1**	**1**	**1.5**	**1**	**1**	**0.5**

Course Code- Name of Course: 91819- Research and Publication Ethics

1. **CO1:** To understand the values of ethics in research
2. **CO2:** The student will have awareness about the publication ethics and publication misconducts

COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	0	1	1	0	0	0	0
CO2	0	0	0	1	0	1	0
Total	**0**	**1**	**1**	**1**	**0**	**1**	**0**
Average	**0**	**0.5**	**0.5**	**0.5**	**0**	**0.5**	**0**

- ## Semester: II

Course Outcomes: Course Code- Name of Course: 91820 - Digital Information Management

1. **CO1:** To introduce basic concepts and characteristics of digital libraries to the students.
2. **CO2:** To familiarize the students with standards and protocols and their need and importance in digital libraries.
3. **CO3:** To impart knowledge on need, relevance, problems and challenges of digital preservation to students.

Course Articulation Matrix:

COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	3	1	0	1	1	0	1
CO2	3	1	1	1	1	1	1
CO3	3	1	1	2	2	1	1
Total	**9**	**1**	**2**	**4**	**4**	**2**	**3**
Average	**3**	**1**	**0.666**	**1.333**	**1.333**	**0.666**	**1**

Course Code- Name of Course: 91821 - Statistical Techniques and Report Writing

Course Outcomes:

1. **CO1:** To develop research skills in students and enable them to carry out research in Library & Information Science.
2. **CO2:** To understand on both qualitative & quantitative techniques for data analysis and consolidation.
3. **CO3:**. To familiarize the art and style of writing a research report.

   Course Articulation Matrix:

   COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3

CO ↓							
CO1	0	0	3	1	1	1	2
CO2	0	0	2	1	2	1	2
CO3	0	0	1	1	0	0	3
Total	**0**	**0**	**6**	**3**	**3**	**2**	**7**
Average	**0**	**0**	**2**	**1**	**1**	**0.6**	**2.3**

Course Code- Name of Course: 91822 - Marketing of Library and Information Science

Course Outcomes:

1. **CO1:** To introduce the students with the basic concepts of marketing.
2. **CO2:** To make the students acquianted with the process of planning of information products and services.

Course Articulation Matrix:

COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO ↓	PO1		PO3	PO4	PSO1	PSO2	PSO3
CO1	0	1	1	2	0	2	1
CO2	1	2	1	2	2	3	1
Total	**1**	**3**	**2**	**4**	**2**	**5**	**2**
Average	**0.5**	**1.5**	**1**	**2**	**1**	**2.5**	**1**

Course Code- Name of Course: 91823 - Electronic Information Sources & Services

Course Outcomes:

1. **CO1:** To familiarize the students with electronic Information Sources and Services.
2. **CO2:** To make the students acquainted with the open access movement and electronic publishing.

Course Articulation Matrix:

COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO ↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	1	1	2	1	3	2	1
CO2	1	1	1	1	2	1	0
Total	2	2	3	2	5	3	1
Average	1	1		1	2.5	1.5	0.5

Course Code- Name of Course: 91824 - Open Source Softwares and Services

Course Outcomes:

1. CO1: To make students acquainted with open access self archives
2. CO2: To make students aware about ontology development
3. CO3: To make students acquainted with different tools of measuring research productivity
4. CO4: To make students acquainted with Scopus database

Course Articulation Matrix:

COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO ↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	1	1	0	2	2	2	1
CO2	0	0	1	1	1	1	1
CO3	1	1	1	1	1	1	1
CO4	1	0	1	0	0	1	0
Total	3	2	3	4	4	5	3
Average	0.75	0.666	0.75	1	1	1.25	0.75

Course Code- Name of Course: 91825 – Designing Database & Searching

Course Outcomes:

1. CO1: To provide practical hands on training in digital library software.
2. CO2: To make students acquainted with skill of digitalization and its process
3. CO3: To train the students in searching the different scholarly databases.

Course Articulation Matrix:

COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO ↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	1	1	1	2	2	1	2
CO2	1	1	1	2	2	1	2
CO3	1	1	1	2	1	1	2
Total	**3**	**3**	**3**	**6**	**5**	**3**	**6**
Average	**1**	**1**	**1**	**2**	**1.666**	**1**	**1**

Course Code- Name of Course: 91826 –Project Work

Course Outcomes:

1. **CO1:** To make the students to get acquainted the research methodology

2. **CO2:**To make aware about statistical techniques in LIS research.

3. **CO3:**To familiarize the art and style of writing a research report.

Course Articulation Matrix:

COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO ↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	0	0	3	1	1	1	3
CO2	1	1	2	1	0	1	2
CO3	0	0	3	1	0	0	2
Total	**1**	**1**	**8**	**3**	**1**	**2**	**7**
Average	**0.33**	**0.333**	**2.666**	**1**	**0.333**	**0.666**	**2.333**

Course Code- Name of Course: 91827 **DSE-3: Agricultural Information System**
Course Objectives/Outcome (CO)
1. **CO1:** To be acquainted with the Agricultural Information System.
2. **CO2:**To train students about the Agricultural Information Sources, products and services.

3. **CO3:** To make students acquainted with the management aspects of agricultural libraries and information centres.

Course Articulation Matrix:

COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	1	0	3	1	1	1	3
CO2	0	1	2	1	0	1	2
CO3	0	0	3	1	0	0	2
Total	**0**	**1**	**8**	**3**	**1**	**2**	**7**
Average	**0.33**	**0.333**	**2.666**	**1**	**0.333**	**0.666**	**2.333**

Course Code- Name of Course: 91828 **DSE-4: Industrial Information System**
Course Objectives/Outcome (CO)
1. **CO1:** To be acquainted with the Industrial Information System.
2. **CO2:** To train students about the Industrial Information Sources, products and services.
3. **CO3:** To develop acquaintance with the national and International level industrial Institutions.

Course Articulation Matrix:

COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	0	0	3	1	1	1	3
CO2	0	1	2	1	0	1	2
CO3	1	0	3	1	0	0	2
Total	**1**	**1**	**8**	**3**	**1**	**2**	**7**
Average	**0.33**	**0.333**	**2.666**	**1**	**0.333**	**0.666**	**2.333**

Course Code- Name of Course: 91829 - Technical Writing

Course Outcomes:

1. **CO1**:To develop the technical writing skills & competencies among the students.

2. **CO2**: To train the students to use Online Reference Management Tools.

Course Articulation Matrix:

COs – POs& PSOs mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

PO→ CO↓	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	0	0	1	1	0	1	2
CO2	1	1	1	1	0	0	0
Total	**1**	**1**	**2**	**2**	**0**	**1**	**2**
Average	**0.5**	**0.5**	**1**	**1**	**0**	**0.5**	**1**