KARNATAK UNIVERSITY, DHARWAD
ACADEMIC (S&T) SECTION

ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
ವಿದ್ಯಾಮಂಡಳ (ಎಸ್&ಟಿ) ವಿಭಾಗ

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'A' Grade 2014

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No. KU/Aca(S&T)/JS/MGJ(Gen)/2024-25/436 Date: 11 NOV 2024

ಅಧಿಸೂಚನೆ

ವಿಷಯ: ರಾಷ್ಟ್ರೀಯ ಶಿಕ್ಷಣ ನೀತಿಯನುಸಾರ 2024–25ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ ಎಲ್ಲ ಸ್ನಾತಕೋತ್ತರ ಪದವಿಗಳಿಗೆ / ಸ್ನಾತಕೋತ್ತರ ಡಿಪ್ಲೋಮಾಗಳಿಗೆ ಪಠ್ಯಕ್ರಮವನ್ನು ಪ್ರಕಟಣೆ ಕುರಿತು.

ಉಲ್ಲೇಖ: 1. ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ ಸಭೆಯ ನಿರ್ಣಯ ಸಂಖ್ಯೆ: 2 ರಿಂದ 9, ದಿ: 08.11.2024.

2. ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಅನುಮೋದನೆ ದಿನಾಂಕ: 11.11.2024.

ರಾಷ್ಟ್ರೀಯ ಶಿಕ್ಷಣ ನೀತಿಯನುಸಾರ 2024–25ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ ಅನ್ವಯವಾಗುವಂತೆ, ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಎಲ್ಲ ಸ್ನಾತಕೋತ್ತರ ಪದವಿಗಳಾದ M.A./ M.Sc / M.Com / MBA / M.Ed 1 ರಿಂದ 4ನೇ ಸೆಮೆಸ್ಟರ್‌ಗಳಿಗೆ ಮತ್ತು 1 & 2ನೇ ಸೆಮೆಸ್ಟರ್‌ಗಳ ಸ್ನಾತಕೋತ್ತರ ಡಿಪ್ಲೋಮಾಗಳಿಗೆ ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ ಸಭೆಯ ಅನುಮೋದನೆಯೊಂದಿಗೆ ಈ ಕೆಳಗಿನಂತೆ ಪಠ್ಯಕ್ರಮಗಳನ್ನು ಅಳವಡಿಸಿಕೊಳ್ಳಲಾಗಿದೆ. ಕಾರಣ, ಸಂಬಂಧಪಟ್ಟ ಎಲ್ಲ ಸ್ನಾತಕೋತ್ತರ ವಿಭಾಗಗಳ ಅಧ್ಯಕ್ಷರು / ಸಂಯೋಜಕರು / ಆಡಳಿತಾಧಿಕಾರಿಗಳು / ಮಹಾವಿದ್ಯಾಲಯಗಳ ಪ್ರಾಚಾರ್ಯರುಗಳು / ಶಿಕ್ಷಕರು ಸದರಿ ಪಠ್ಯಕ್ರಮಗಳನ್ನು ಅನುಸರಿಸುವುದು ಮತ್ತು ಸದರಿ ಪಠ್ಯಕ್ರಮವನ್ನು ಕ.ವಿ.ವಿ. ಅಂತರ್ಜಾಲ www.kud.ac.in ದಲ್ಲಿ ಭಿತ್ತರಿಸಲಾಗಿದನ್ನು ಸಂಬಂಧಪಟ್ಟ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಸೂಚಿಸುವುದು.

Arts Faculty

Sl.No	Programmes	Sl.No	Programmes
1	Kannada	8	MVA in Applied Art
2	English	9	French
3	Folklore	10	Urdu
4	Linguistics	11	Persian
5	Hindi	12	Sanskrit
6	Marathi	13	MPA Music
7	MVA in Painting		

Faculty of Science & Technology

Sl.No	Programmes	Sl.No	Programmes
1	Geography	10	M.Sc (CS)
2	Chemistry	11	MCA
3	Statistics	12	Marine Biology
4	Applied Geology	13	Criminology & Forensic Science
5	Biochemistry	14	Mathematics
6	Biotechnology	15	Psychology
7	Microbiology	16	Applied Genetics
8	Zoology	17	Physics
9	Botany	18	~~Anthro~~pology

Faculty of Social Science

Sl.No	Programmes	Sl.No	Programmes
1	Political Science	8	Journalism m & Mass Commn.
2	Public Administration	9	M.Lib. Information Science
3	History & Archaeology	10	Philosophy
4	A.I.History & Epigraphy	11	Yoga Studies
5	Economics	12	MTTM
6	Sociology	13	Women's Studies
7	MSW		

Management Faculty

Sl.No	Programmes	Sl.No	Programmes
1	MBA	2	MBA (Evening)

Faculty of Commerce

Sl.No	Programmes	Sl.No	Programmes
1	M.Com	2	M.Com (CS)

Faculty of Education

Sl.No	Programmes	Sl.No	Programmes
1	M.Ed	2	M.P.Ed

OEC subject for PG

Sl.No	Programmes	Sl.No	Programmes
1	Russian	5	Veman Peetha
2	Kanaka Studies	6	Ambedkar Studies
3	Jainology	7	Chatrapati Shahu Maharaj Studies
4	Babu Jagajivan Ram	8	Vivekanand Studies

PG Diploma

Sl.No	Programmes	Sl.No	Programmes
1	PG Diploma in Chatrapati Shahu Maharaj Studies	2	P.G. Diploma in Women's Studies
3	P.G. Diploma in Entrepreneurial Finance		

ಕುಲಸಚಿವರು.

ಅಡಕ: ಮೇಲಿನಂತೆ

ಗೆ,

1. ಕ.ವಿ.ವಿ. ಸ್ನಾತಕೋತ್ತರ ಅಧ್ಯಕ್ಷರುಗಳಿಗೆ / ಸಂಯೋಜಕರುಗಳಿಗೆ / ಆಡಳಿತಾಧಿಕಾರಿಗಳಿಗೆ / ಮಹಾವಿದ್ಯಾಲಯಗಳ ಪ್ರಾಚಾರ್ಯರುಗಳಿಗೆ
2. ಎಲ್ಲ ನಿಖಾಯದ ಡೀನರು, ಕ.ವಿ.ವಿ. ಧಾರವಾಡ.

ಪ್ರತಿ:

1. ಕುಲಪತಿಗಳ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು, ಕ.ವಿ.ವಿ. ಧಾರವಾಡ.
2. ಕುಲಸಚಿವರ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು, ಕ.ವಿ.ವಿ. ಧಾರವಾಡ.
3. ಕುಲಸಚಿವರು (ಮೌಲ್ಯಮಾಪನ) ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು, ಕ.ವಿ.ವಿ. ಧಾರವಾಡ.
4. ಅಧೀಕ್ಷಕರು, ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆ / ಗೌಪ್ಯ / ಜಿ.ಎ.ಡಿ. / ವಿದ್ಯಾರ್ಥಿಡಳಿ (ಪಿ.ಜಿ.ಪಿಎಚ್.ಡಿ) ವಿಭಾಗ/ ಸಿಸ್ಟಮ್ ಅನಾಲೆಸಿಸ್ಟ್ / ಸಂಬಂಧಿಸಿದ ಪದವಿಗಳ ವಿಭಾಗಗಳು, ಪರೀಕ್ಷಾ ವಿಭಾಗ, ಕ.ವಿ.ವಿ. ಧಾರವಾಡ.
5. ನಿರ್ದೇಶಕರು, ಕಾಲೇಜು ಅಭಿವೃದ್ಧಿ / ವಿದ್ಯಾರ್ಥಿ ಕಲ್ಯಾಣ ವಿಭಾಗ, ಕ.ವಿ.ವಿ. ಧಾರವಾಡ.
6. ನಿರ್ದೇಶಕರು, ಐ.ಟಿ. ವಿಭಾಗ, ಕ.ವಿ.ವಿ. ಧಾರವಾಡ ಇವರಿಗೆ ಕ.ವಿ.ವಿ. ಅಂತರ್ಜಾಲದಲ್ಲಿ ಪ್ರಕಟಿಸುವುದು.

Faculty of Social Science

Two Years PG Programme

MASTER OF LIBRARY AND INFORMATION SCINECE

(M.Lib.I.Sc.)

Programme Guidelines and Syllabus

As per NEP-2020

With Effect from 2024-25

GENERAL INSTRUCTIONS

Preamble:

The Karnatak University has successfully adopted NEP-2020 from the academic year: 2021-22 for all its Under Graduate Programmes. The first batch under this scheme after completing 03 Years with 3rd year exit provision entering into Post Graduate programme from the academic Year: 2024-25. In view of this and the present global demand, it is necessary to revise the curriculum frame work for all its Post Graduate Programmes and syllabus accordingly.

As per the provisions in NEP-2020 scheme the Two- year Post Graduate Programme, the curriculum has a provision to study the open electives courses in 2nd and 3rd semesters, Discipline specific Electives for a deeper knowledge in focused area in 3rd and 4th semesters and Internship / dissertation / project work for field experience or hands on training to inculcate the skill and develop cognitive thinking / higher order thinking to analyze the information obtained from project work / internship in the 4th semester.

It is therefore, this is a revised CBCS as per NEP - 2020 having minimum 90 and maximum 100 credits in two years programme with provision of choice as above and hence, shall be called as NEP syllabus. In this context, the prevailing regulations (CBCS scheme adopted from 2009) needs some modifications and adopted herewith as Guidelines to execute all the PG Programmes unless otherwise stated.

However, the eligibility for admission to the concerned PG Programmes shall be decided by the respective Board of Studies.

I. CREDIT, WORKLOAD AND SYLLABUS EQUIVALENCE

1. One credit is equal to 1 hour theory teaching per week.
2. One credit is equal to 2 hour practical teaching per week.
3. One credit is equal to 15 hours theory syllabus per semester (1 Unit is equal to 15 Hours)
4. One credit is equal to 30 hours practical syllabus per semester (1 credit practical is equal to 2 hours/ week)

A. Workload for theory subjects

1. There shall be 16 hrs/week workload for Assistant Professor

2. There shall be 14 hrs/week workload for Associate Professor/ Professor/Senior Professor.
3. There shall be 2hrs/week workload relaxation for Guiding Ph.D. students

B. Workload for practical subjects

1. There shall be 20 hrs/week workload for Assistant Professor
2. There shall be 18 hrs/week workload for Associate Professor/ Professor/Senior Professor.
3. There shall be 2hrs/week workload relaxation for Guiding Ph.D. students

C. Workload for practical batches

1. A batch of 10-12 students shall have 1 teacher

D. Workload for Project

1. Students for projects / internship shall be preferably guided by permanent faculty for atleast10 students by sharing equally among the permanent faculty. If remained excess shall be allotted to other teacher's on roll on temporary basis.
2. If there are no permanent faculty, the students shall be distributed among the temporary teachers on roll.
3. There shall be maximum of 4 hrs/week workload for guiding the students for project work irrespective of number of students.

II. ALLOTMENT OF SPECIALIZATION: While allotting specialization in 3rd and 4th semester, minimum of 10 students shall have to select the specialization.

III. **ATTENDANCE:** 75% attendance is mandatory for every course (paper). No marks are reserved for attendance. If the candidates fail to fulfill 75% attendance in any one of the course (paper) in the given semester, such candidate is not eligible to appear for examination in all the papers and candidate has to get the readmission for such semester. However, up to 20% attendance may be condoned with the supportive documents for a student who represents University /State / National level sports, cultural and other events. Monthly attendance shall be displayed on notice board.

IV. CREDIT AND MARKS EQUIVALENCE

1. Generally, 25% weightage for Formative assessment and 75% weightage for Summative assessment.
2. Up to 2 credits equal to 50 marks (12 marks Formative assessment and 38 marks

summative assessment).

3. 3-4 credits equal to 100 marks (25 marks Formative assessment and 75 marks summative assessment).
4. 5-6 credits equal to 150 marks (37 marks Formative assessment and 113 marks summative assessment).
5. Example for 100 marks out of which 25 marks for Formative assessment i.e., Formative Assessment shall be 05 marks for assignment / seminar and two internal assessments i.e.: 10 marks I.A. for 8^{th} week and 10 marks for 14^{th}week of every semester.

V. **Conduct of Examination**

1. Formative assessment examination shall be conducted for 1hr. There shall not be any reexamination for improvement or the student remaining absent. However, a special Formative assessment examination shall be conducted for a student who represents University /State / National level sports, cultural and other events if a schedule is overlapping.

2. 75 marks summative theory examination shall be conducted for 3 hrs and 38 marks for 1.5 hrs.

3. 75/ 38 marks Formative / Summative Practical examination shall be conducted for 4 hrs.

4. There shall be a single examiner for both even and odd semesters' Formative Practical examination.

5. There shall be a single examiner for odd semester Summative Practical examination and two examiners for even semester Summative Practical examination; one from internal and other shall be external examiner.

VI. Assessment

1. **Theory papers:** There shall be a single valuation for odd semester theory papers preferably internal examiner and double valuation for even semesters; one from internal and other shall be external examiner.
2. **Project/Internship assessment**

A) **For100 marks Project/Internship assessment (Wherever applicable)**

i. **Formative Assessment**: Project/Internship assessment carrying 25 marks out of 100 marks Candidate has to submit three Progress Reports; 8+8+9 Marks.

ii. **Summative Assessment**: Project/Internship assessment carrying 75 marks out of 100 marks

a. Project Report : 35

b. Presentation : 20

c. Viva-voce : 20

B) For150 marks **Project/Internship assessment (Wherever applicable)**

i. **Formative Assessment**: Project/Internship assessment carrying 37 marks out of 150 marks Candidate has to submit three Progress Reports : 12+12+13 marks.

ii. **Summative Assessment:** Project/Internship assessment carrying 113 marks out of 150 marks

a. Project Report : 60

b. Presentation : 30

c. Viva-voce : 23

VII. Passing criteria:

1. There shall be no minimum passing marks for Formative assessment.

2. Candidate has to score minimum 40% in summative examination and fulfill 40% of the maximum marks including Formative assessment marks. For example: for 75 marks summative examination, candidate has to score minimum of 30 marks (40%) and should score cumulatively 40 marks including formative assessment in every course.

VIII. DECLARATION OF RESULT

1. Candidate has to score 40% as above in all the courses to pass the semester end examination to declare pass.
2. **Percentage and Grading:** Result shall be declared in terms of SGPA and at the end of four semesters as CGPA. The calculation of CGPA is as under
3. If P is the percentage of marks secured (IA + semester end score) by the candidate in a course which is rounded off to the nearest integer, the grade point (GP) earned by the candidate in that course will be given as below.

Percentage (%)	Grade(GP)	Percentage (%)	Grade(GP)
40	4.0	71-75	7.5

41-45	4.5	76-80	8.0
46-50	5.0	81-85	8.5
51-55	5.5	86-90	9.0
56-60	6.0	91-95	9.5
61-65	6.5	96-100	10.0
66-70	7.0		

Grade point of less than 4 shall be considered as fail in the course, hence, GP=0 and for the absent candidate also GP=0

4. A student's level of competence shall be categorized by grade point (GP), Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) of the programme.
5. **Semester Grade Point Average (SGPA):** The SGPA is a ratio of sum of the number of Credit Grade Points scored from all the courses (subject) of given semester to the total credits of such semester in which the candidate studied. (Credit Grade Points of each course = Credits x GP).
6. **Cumulative Grade Point Average (CGPA):** It is calculated as below for 4 semester programme.

   CGPA=$(Credit_1 \times SGPA_1) + (Credit_2 \times SGPA_2) + (Credit_3 \times SGPA_3) + (Credit_4 \times SGPA_4)$ / Total credits of programme (sum of credits of 4 semesters).
7. After studying and passing, all the credits prescribed for the programme the degree shall be awarded with CGPA score after rounding off to second decimal and class distinguishing as second class, first class, and distinction along with grade letter as under:

CGPA of the programme(Degree)	**Class obtained**	**Grade Letter**
9.5 to 10.00	Outstanding	A^{++}
7.00 to 9.49	Distinction	A^{+}
6.00 to 6.99	First Class	A
5.50 to 5.99	Second class	B^{+}

5.00 to 5.49		B
4.00 to 4.99	Pass	C
Less than 4.0	Fail/ Reappear	D

8. Each semester Grade Card shall have marks and SGPA and final Grade Card shall have semester wise marks obtained in all semesters, CGPA and % of cumulative marks obtained from all semesters.
9. There shall be Revaluation / Challenge valuations provisions as per the prevailing rules and regulations.
10. Marks obtained from the OEC shall not be considered for award of CASH PRIZE / RANK / GOLD MEDAL.

IX. MAXIMUM DURATION FOR COMPLETION OF THE PROGRAMME

A candidate admitted to any P.G. Programme shall complete it within a period, which is double the duration of the programme from the date of admission.

X. ANY OTHER TERMS AND CONDITIONS

Apart from the above, the prevailing rules(CBCS) and regulation are valid for any other matters which are not addressed in this regard.

KARNATAK UNIVERSITY, DHARWAD

Faculty of Social Science

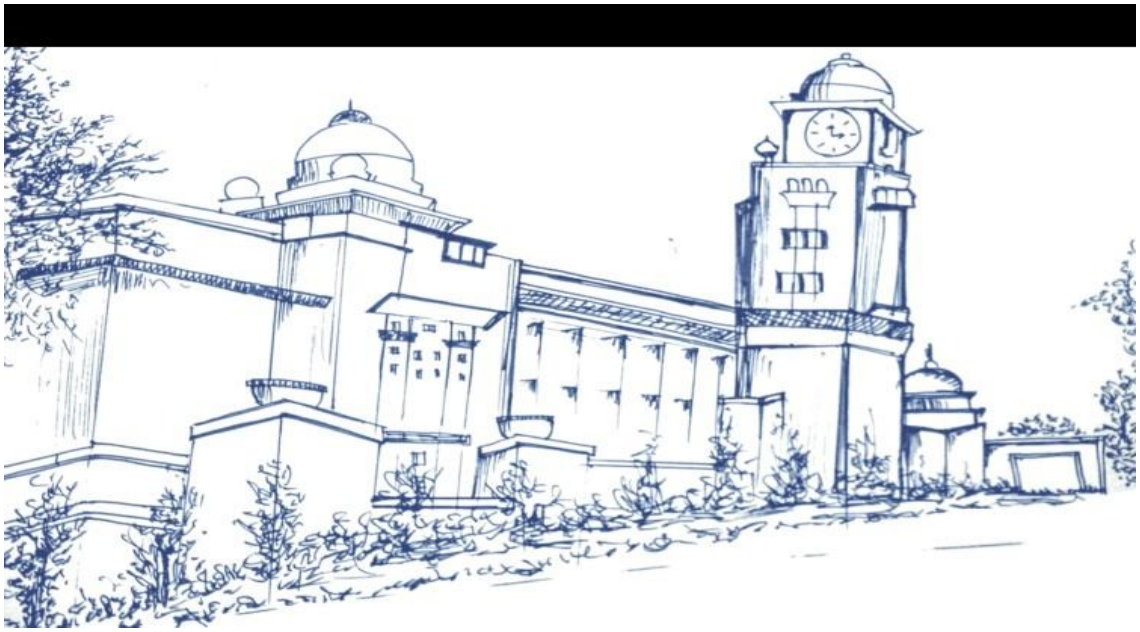
Regulations

For

MASTER OF LIBRARY AND INFORMATION SCINECE

(M.Lib.I.Sc. – CBCS)

As Per NEP- 2020



With Effect from

2024-2025 & Onwards

KARNATAK UNIVERSITY, DHARWAD

Programme structure and Syllabus

For

MASTER OF LIBRARY AND INFORMATION SCINECE **(M.Lib.I.Sc.)**

As per NEP - 2020

With Effect from

2024-2025 & Onwards

KARNATAK UNIVERSITY, DHARWAD

Regulations concerning Master Degree Programme
Faculty of Social Sciences, from 2024-2025

Master Degree Programme in Library and Information Science (M.Lib.I.Sc.-CBCS)
Regulations Governing the Post-Graduate Master Degree Programmes under Choice Based Credit System (KU-CBCS), framed under Section 44(1)(C) of K.S.U. Act, 2000.

MASTER OF LIBRARY AND INFORMATION SCINECE
CHOICE BASED CREDIT SYSTEM (CBCS)

Title:

These Regulations shall be called "Karnatak University Regulations Governing Post-Graduate under the Choice Based Credit System" for Master Degree programmes.

Commencement:

These Regulations shall come into force from the academic year 2024-2025.

Definitions:

In these Regulations, unless otherwise mentioned:

a) "University" means Karnatak University:
b) "Post-Graduate Programmes" means Master's Degree Courses.
c) "Compulsory Course" means a fundamental paper which a student admitted to a particular Post-Graduate programme should successfully complete to receive the Post-Graduate Degree in the concerned subject.
d) "Specialization Paper" means an advanced paper due to departmental choice for students wanting to receive Degree in the specialization area:
e) "Open elective" means a course offered by Department for students of other Departments in the same Faculty. Students have freedom to choose from a number of optional courses offered by other Department/s to add to their credits required for the completion of their respective programmes: however, if in a P.G. Centre there is only one Department for the time being, the students of that Department should study that open elective course.
f) "Credit" means the unit by which the course work is measured. For this Regulation, one Credit means on hour of teaching work or two hours of practical work per week. Normally a Semester is of 16 weeks duration in any given academic year. As regards the marks for the courses, 1 credit is equal to 25 marks, 2 credits is equal to 50 marks, 3 credits is equal to 75 marks and 4 credits is equal to 100 marks as used in conventional system.
g) "Grade" is an index to indicate the performance of a student in the selected course. These Grades are arrived at by converting marks scored in each subject by the candidate after completing his/her Internal Assessment and Semester end Examinations. Each course carries a prescribed number of the marks of credits. These

grades are awarded for each subject after conversion of the marks and after completion of the examinations in each semester.

h) "Grade Point Average" of GPA refers to an indication of the performance of the student in a given semester. GPA is the weighted average of all Grades a student gets in a given semester. The GPA depends on the number of courses student takes and the grades awarded to him/her for each of the subjects so chosen.

i) "Cumulative Grade Point Average" or CGPA refers to the cumulative Grade Point Averages weighted across all the semesters and is carried forward. The calculations of the GPA, CGPA is shown at the end of this regulation.

Minimum Eligibility for Admission:

The students who have successfully completed the three year/four-year Degree course or any other Degree course of this University or of any other University recognized as equivalent there to by this University shall be eligible for admission to the Post Graduate Programmes under the KU-CBCS Programme provided they also satisfy the eligibility conditions like percentage of marks etc., as may be prescribed by the University and as per Ordinance of the course.

Entrance Test

Candidate seeking admission to the course shall be required to appear for entrance test conducted by the University, for the 1st Semester.

Selection for Admission

The selection of students shall be made on merit in each category of reservations as per the University rules for 1st Semester.

Intake

The total number of candidates to be admitted to the course would be 39 only for the 1st semester. 07 seats are allocated to other University candidates of which 05 for other University within the state and 02 for Outside state.02 seats for Karnatak University employs children's. 10 seats are under enhanced fee. Total Seats is 39.

Course of Study:

The courses of study for M.Lib.I.Sc degree shall comprise of Theory and Practicals as noted in the syllabus.

Note: Specification of Degrees as per UGC notification dated March 2014 published in the Gazette of India, July 2004 (Part III Section 4).

Duration of the Programme:

The programme of study for the Post-Graduate Master Degree shall normally extend over a period of two academic years, each academic year comprising of two semesters, and each semester comprising of sixteen weeks of class work.

Medium of Instruction

The medium of instruction and examination is English.

Minimum Credits and Maximum Credits:

a) There shall be three categories of courses viz., Compulsory course, Specialization Course and Open Elective Course. Compulsory and Specialization Course should be from the concerned department only. The Open Elective are the courses offered by other Departments in the same Faculty.
b) Each course shall have a definite course objective, Eligibility criterion for taking the course, scheme of Evaluation including the components of Internal Assessment (IA) marks, Projects (if any), the number of contact hours, type of practical and the prescribed credits.
c) The credits for each of compulsory course may vary from 3 to 4 credits; for specialization course it may vary from 1 to 4. In case of Open Elective Course, it shall be 1 to 3 credits for each paper.
d) A student shall register for minimum of 18 credits and a maximum of 30 credits per semester. However, to qualify for the degree in any Department under any school and faculty, he/she should have registered and cleared a minimum number of credits, which vary from course to course.

Course Structure:

a) The students of Post-Graduate Programme shall study the courses as may be approved and prescribed by the Academic Council of the University from time to time.
b) A typical Master Degree program consists of a number of courses. This number varies from discipline to discipline. The term course is used to indicate a logical part of a subject matter of the programme (also referred to as paper). In essence the courses are of three types:

    i. Compulsory Course
    ii. Specialization Course or Optional Course and
    iii. Open Elective Course.

c) Each programme shall have a set of compulsory course that a student must complete to get the degree in the concerned Department. These are distributed in each semester. There could be a minimum of such papers for each semester depending on the department.
d) The students shall also choose a minimum number of specializations Course offered within the department. Each department will offer at least one specialization paper in the third and fourth semester. The Department, BOS and the Faculty may also have spell out the number of such specialization courses a student will have to take for the specialization. The Department offering of specialization course shall provide the flexibility in the system so that the student can opt for a variety of programmes depending upon their interest.
e) Each department shall offer at least two Open Elective courses for the II and III Semester for students from other department. Student from the same department are generally not allowed to opt the courses offered as Open Elective course in the same department.

f) Each course (paper) in this system is designed carefully to include lectures / tutorial/ Laboratory work/ seminars/ Project work/ practical training/ report writing/ Viva-voce etc., to meet effective teaching and learning needs and the credits are assigned suitably.

g) Master Degree Programmes are essentially semester system Programmes. There shall be 4 semesters in each Programme. There shall be two semesters for each year of the Programme. Each of the Semester will be of 16 weeks duration including evaluation and grade finalization period. The academic session in each semester will provide 90 teaching days with 48 hrs of teaching / learning periods in six days session per week.

h) The normal calendar for the semester would be as follows:
   i. I and III semester - August to November
   ii. II and IV Semester - January to April

Attendance

a. Each paper shall be taken as a unit for the purpose of calculating the attendance.

b. Each student will have to sign and mark his attendance for every hour of teaching of each paper. At the end of every month all teachers shall notify the attendance of every student on the Notice Board of the department during 2nd week of every month. Chairman shall certify the fulfilment of required attendance of every candidate in the Examination form.

c. A student shall be considered to have satisfied the requirement of attendance for each paper, if he/she has to attend not less-than 75% of the number of classes held up to the end of the semester including tests, seminars, group discussions, practical, tutorials, etc.

d. However, if a student represents his/her institution, University, State or Nation in sports, NCC, NSS of Cultural of any other officially sponsored activities, he/she shall be eligible to claim the attendance for the actual number of days participated subject to a maximum of 20 days in a semester based on the specific recommendation of the head of the Department.

Course Outline for the M.Lib.I.Sc.

SEMESTER - I

Paper Code	Title of the Paper	Max. Marks	Internal Assessment	Total Marks	Credits	Teaching Hrs.
	Compulsory Papers					
B1LIS001T	Foundations of Library & Information Science	75	25	100	4	4 Hrs / week
B1LIS002T	Knowledge Organization, Information Processing and Retrieval (Theory)	75	25	100	4	4 Hrs / week
B1LIS003P	Knowledge Organization, Information Processing and Retrieval (Practical)	75	25	100	4	8 Hrs / week
B1LIS004T	Information Sources (Theory)	75	25	100	4	4 Hrs / week
B1LIS005T	Information Technology: Basics	75	25	100	4	4 Hrs / week
B1LIS006P	Information Technology (Practical)	75	25	100	4	8 Hrs / week

SEMESTER - II

Paper Code	Title of the Paper	Max. Marks	Internal Assessment	Total Marks	Credits	Teaching Hrs.
	Compulsory Papers					
B2LIS001T	Management of Libraries & Information Centres	75	25	100	4	4 Hrs / week
B2LIS002T	Information Systems & Services	75	25	100	4	4 Hrs / week
B2LIS003T	Library and Users	75	25	100	4	4 Hrs / week
B2LIS005P	Information Services & Information Technology (Practical)	75	25	100	4	8 Hrs / week
B2LIS006P	Information Processing & Retrieval - UDC &AACR-II (Practical)	75	25	100	4	8 Hrs / week
	Open Elective Paper					
B2LIS004OT	Electronic Information Sources and Services	75	25	100	4	4 Hrs / week

SEMESTER - III

Paper Code	Title of the Paper	Max. Marks	Internal Assessment	Total Marks	Credits	Teaching Hrs.
	Compulsory Papers					
B3LIS001T	Information and Communication	75	25	100	4	4 Hrs / week
B3LIS002T	Information, Retrieval, Processing and Repackaging (Theory)	75	25	100	4	4 Hrs / week
B3LIS003T	Research Methods	75	25	100	4	4 Hrs / week
B3LIS005T	Applicationsof Information Technology (Theory)	75	25	100	4	4 Hrs / week
B3LIS006P	Applications of Information Technology (Practical)	75	25	100	4	8Hrs / week
	Open Elective Paper					
B3LIS004OT	Information Literacy	75	25	100	4	4 Hrs / week

SEMESTER – IV

Paper Code	Title of the Paper	Max. Marks	Internal Assessment	Total Marks	Credits	Teaching Hrs.
	Compulsory Papers					
B4LIS001T	Networking and Internet Technology (Theory)	75	25	100	4	4 Hrs / week
B4LIS002T	Digital Library and Multimedia (Theory)	75	25	100	4	4 Hrs / week
B4LIS003TA **B4LIS003TB** **B4LIS003TC**	Public Library System Academic Library System Special Library System	75	25	100	4	4 Hrs / week
B4LIS004P	Digital Libraries and Multimedia (Practical)	75	25	100	4	4 Hrs / week
B4LIS005A	Dissertation	75	25	100	4	6Hrs / week
B4LIS005BB4LIS005C	Internship Education Tour Report	50 50	00 00	50 50	4	

Internship

The students need to undergo Internship (which is compulsory) for one month after the completion of third or fourth semester M.Lib.I.Sc.

Study Tour

There shall be a study tour, which is compulsory and a student has to submit a tour observation report. The Study tour will be conducted after the third or fourth semester.

Submission of Dissertation

a) M.Lib.I.Sc III semester students shall have to choose a topic for dissertation and preliminary preparation be carried out under the guidance of a mentor teacher.
b) M.Lib.I.Sc –IV semester students shall have to submit the dissertation on the chosen topic, before the commencement of the theory examination.
c) Candidates keeping terms but not appearing for the theory and practical papers and not submitted the dissertation within the prescribed time, may appear for respective examination and submit the dissertation within the prescribed time.

d) Candidates appearing for the examination under the provision of (c) will be not eligible for the award of any rank, prize, medal etc.

Evaluation:

a. Each Course has two components, the first being Internal Assessment Marks and the second being the Semester End Exams. The Internal Assessment (IA) marks are based on continuous Internal Assessment. The total marks for the Internal Assessment would be based on the total credit awarded to the Course. For instance, if a Compulsory Course has a Credit award of 4, then the total max marks would be 100 for the subject.
b. The marks shall be displayed on the Notice Board of the Department also. The tests shall be written in a separately designated book and after evaluation; the same should be shown to students.
c. In case of candidates who wish to appear in improvement examinations, if any, the marks obtained in the Internal Assessment shall not be revised. There is no improvement for internal assessment.

d. Students seeking the condoning of attendance after representing the University have to produce attendance certificates from the concerned authority and that attendance period to condone of shall be considered for the allotment of marks as under.

e. There shall be one end semester examination of 3 duration (for 75 marks/ paper). Each answer scripts of the semester end examination (theory and project report) shall be assessed by two examiners (one internal and another external). The marks awarded to that answer script shall be the average of these two evaluations. If the difference in marks between two evaluations exceeds 20% of the maximum marks such a script shall be assessed by third external examiner. The marks allotted by the third examiner shall be average with nearer mark of the two evaluation

Completion of Course:

a. A candidate is expected to successfully complete P.G. Master Degree course in two years from the date of admission.
b. Whenever the syllabus is revised, the candidate reappearing shall be allowed for PG Degree examinations only according to the new syllabus.
c. The CBCS scheme is fully carry-over system. However, the four –semester two years course should be completed by a student within double duration of the normal course period (i.e. 4 years). For these periods, candidate may be permitted to take examination in cross-semester (even semester examination in even and odd semester examination in odd semester examination) after paying the examination fee per paper.

Declaration of Results:

a. Minimum for a pass in each paper shall be 40% of the total 100 marks including both the IA and the semester end examinations. However, candidate should obtain at least 40% of the marks in the Semester End Examination. There is no minimum in the IA marks. However,

after adding the IA and the semester end examination, the candidates should score a minimum of 40 % of the maximum marks for the subject.

b. The candidates, seeking improvement of their results shall submit a representation along with a permissible fee to the Registrar (Evaluation) and surrender the degree certificate/ provisional pass certificate /original marks card of that semester within 15 days of announcement of result.

Marks and Grading

The grading of successful candidate at the examination shall be as follows:

Percentage	GPA/CGPA	Letter	Class
75.00 to 100.00 %	7.50 to 10.00	A	First Class with Distinction
60.00 to 74.90%	6.00 to 7.49	B	First Class
50.00 to 59.94%	5.00 to 5.99	C	Second Class
40.00 to 49.94%	4.00 to 4.99	D	Pass
Less than 40.00%	Less than 4.00	F	Fail

KARNATAK UNIVERSITY, DHARWAD

Syllabus

For

MASTER OF LIBRARY AND INFORMATION SCINECE **(M.Lib.I.Sc.)**

As per NEP - 2020

With Effect from

2024-2025 & Onwards

PROGRAMME SPECIFIC OUTCOMES (PSOS)

After completion of this programme, the student will be able to:

1. Understand the logic of knowledge organization and its importance in Library and Information Centres.
2. Learn the practical and managerial skills to handle the housekeeping operations of the Library and Information Centres.
3. Understand the information needs and requirements of different user communities and their by develop new services and facilities.
4. Effectively use Information and Communication Technology (ICT) in automation of Libraries and provision of advanced services and facilities in Library and Information Centres.
5. Contribute to LIS profession by inculcating research aptitude, communication skills and other necessary soft skills.

M.Lib.I.Sc Semester –I

Discipline Specific Course (DSC)

Course Title: FOUNDATIONS OF LIBRARY AND INFORMATION SCIENCE (THEORY)

Course Code: B1LIS001T

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-1	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Understand the basic philosophy of Librarianship / LIS profession.
CO 2	Identify the different types of libraries and differentiate between Academic / Public / Special libraries.
CO 3	Understand the professional ethics and its / their application / implementation in practicing the profession.
CO 4	Understand the importance of the five laws of library science and their implications in Library and Information Centres' activities.
CO 5	Analyse the salient features of public library legislations enacted by Indian States and their importance in the promotion of library movement in India.

PARTICULARS	Teaching Hours (Max. 60)
Unit 1: Library as a Social Institution	
1) Library as a social institution; Role of Libraries in national & human development; Role of Libraries in Information, Recreation and Community Information, Changing role of Library and Information Centres in Society. 2) Different types of Libraries - their distinguishing features and functions.Academic Libraries, Public and National Libraries, Special Libraries, 3) Evolution of Information Science as a discipline and its relation with cognitive sciences, library science, computer sciences and other disciplines. 4) Normative Principles. Five Laws of Library Science and their applications	15 Hours
Unit 2: Library Development in India & Library Legislation and Library Related Acts	
1) Libraries in Ancient, Medieval and Modern Period., 2) Role of Central Government in Development of Libraries in India-UGC and INFLIBNET 3) Role of State Government in Development of Libraries in Karnataka, Development of Public Libraries in Karnataka . 4) Library legislation: Concept, need and purpose, Public library legislations in India, Press and Registration Act,: Delivery of Books and Newspapers Act, 5) Intellectual Property Rights(IPR), National Information Policy and its Components	15 Hours

Unit 3 : LIS Professional Organisation and their Roles	
1) Philosophy of librarianship and professional ethics , 2) The Information Profession and professional bodies, Professional organisations such as: ALA, IFLA, ASLIB, ILA, IASLIC, IATLIS,SIS,KALA; 3) Noteworthy Libraries and their roles: National Libraries, British Museum Libraries, Library of Congress, UNESCO and its activities in information sector, 4) Commonwealth Librarians Association (CWLA), RRRLF 5) Memory Institutions, Archives, Museums and Art Galleries ; Memory of the world UNESCO, Europeana,	15 Hours
Unit 4: Public Relations and Extension Activities	
1) Concept, Definition, and Scope 2) Role of Public Relation Officer (PRO) in promotion of Library Resources and Services. 3) Publicity and Extension Activities: Quiz, Debate, Essay, Singing Competitions and Story Telling Hours. 4) Library Path Finders (Guides)	15 Hours
REFERENCES	
1. Burahohan, Alka. Various aspects of librarianship and Information Science. New Delhi: Ess Ess, 2000 2. Greer, R. Grover, R. & Fowler, S. Introduction to the Library and Information Professions, Ed.2. Libraries Unlimited, 2013. 3. Khanna, J. K. Library and Society. Kurukshetra: Research Publisher, 1987 4. Kumar, P.S.G. Foundations of Library and Information Science. Paper I of UGC Model Curriculum. B.R. Publishing Corporation. 2011 5. Ranganathan, S. R. The Five Laws of Library Science. Bangalore: Ess Ess, 2006. 6. Rout, R.K. Ed. Library Legislation in India. New Delhi: Relience, 1999. 7. Venkatappaiah, Velega. Public Library Legislation in the New Millennium. Bookwell, 2007 8. http://egyankosh.ac.in/	

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: KNOWLEDGE ORGANISATION, INFORMATION PROCESSING AND RETRIEVAL (THEORY)

Course Code: B1LIS002T

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-2	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Understand and learn the basics of classification, importance of Library Classification
CO 2	Understand the logic of Knowledge Organisation by learning different schemes of Library Classification
CO 3	Develop an understanding of analysis of subject content and the principles and practices of document description.
CO 4	Understand the Nature, Scope and Importance of Library Catalogue.
CO 5	Learn the importance ISBD in maintaining uniformity in cataloguing the records.

PARTICULARS	**Teaching Hours (Max. 60)**
Unit 1: Knowledge Organisation	
1) Conceptual analysis of classification, Historical development of Knowledge Classification, definition, meaning, objectives, purpose and functions of Library Classification, 2) General theory of classification, Descriptive and Dynamic theories of Library Classification. 3) Contributions of Dr. S. R. Ranganathan, Normative Principles, Basic Laws, Fundamental laws, Canons, Principles and Postulates, 4) Species of Classification, Enumerative Classification, Almost Enumerative, Almost Faceted, Faceted Classification, Rigidly Faceted, Freely Faceted Classification. 5) Outline of CC, DDC and UDC.	15 Hours
Unit 2: Universe of Knowledge	
1) Concept, Meaning, and Definition, Structure and attributes of Subjects, 2) Subject Categories Simple, Compound and Complex Subjects. 3) Modes of Formation of different Subjects. 4) Organisation of Knowledge in the Internet World, Ontology and Folksonomy. 5) Recent Trends in Classification	15 Hours

Unit 3: Library Cataloguing	
1) Library Catalogue: Meaning, Definition, Need, Purpose, Objectives and functions, History and development of Catalogue codes and practices: 2) Resource description standards: ISBD, AACR2R, FRBR and RDA. Resource sharing of Bibliographic Data: Meaning and Importance. Centralized Catalogue, Co-operative Catalogue, Union Catalogues. 3) Forms of Catalogue: Outer forms of Catalogue- Book Form; Sheaf Form; Card Form and Computerised Form (OPAC). 4) Inner forms of Catalogues: Author Catalogue, Name Catalogue, Title catalogue, Alphabetical subject Catalogue, Dictionary Catalogue, Classified or systematic catalogue, Alphabetical-classed catalogue 5) Kinds of Entries: Main Entry; Added Entries; Reference Entries; Filing rules and procedures.	15 Hours
Unit 4: Normative principles of Cataloguing	
1) Background and Development of Normative Principles; 2) General Normative Principles: 3) Specific Normative Principles of Library and Information Science: Laws 4) Specific Normative Principles of Cataloguing: Canons. 5) Latest Trends in Cataloguing: WebOPAC's and Z39.50; Metadata: Meaning, Definition, Purpose, Metadata standards: MARC-21 & Dublin Core. 6) Subject Cataloguing: Sears List of Subject Headings; Library of Congress Subject Headings (LCHS); Medical Subject Headings (MeSH); Subject Headings for Engineering (SHE).	15 Hours

REFERENCES

1. Anglo American Cataloguing Rules (2002). 2nd Rev ed. New Delhi: Oxford.
2. Barbara, M W., (Ed,), (1997). Sears list of subject headings. New York: HW Wilson.
3. Beghtol W. B. (2004). Knowledge Organization and Classification in International Information Retrieval. London: Routledge.
4. Byrne, D. J. (1998). MARC manual: Understanding and records. Chicago: ACA.
5. Krishan Kumar (2004). Theory of Library Classification. New Delhi: Vikas.
6. Kumar, P. S. G. (2003). Knowledge Organization, Information Processing and Retrieval Theory. Delhi: BR Publications.
7. Maxwell, R. & Maxwell, M.F. (1997). Maxwell's handbook of AACR2R: Explaining and illustrating the Anglo-American Cataloguing Rules and the 1993 amendments. Chicago: ACA.
8. Maxwell, R.L. & Connell, T.H. (Eds,), (2000). Future of cataloguing. Chicago: ALA.
9. Ramalingam, M. S. (2000). Library cataloguing and classification systems. Delhi: Kalpaz.
10. Ranganathan, S. R. (1957-58). Prolegomena to Library Classification. Ed2, London: LA.
11. Sumangala Jha. (2013). Knowledge Organization, Information and Retrieval. New Delhi: Anmol.

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: KNOWLEDGE ORGANISATION, INFORMATION PROCESSING AND RETRIEVAL (PRACTICAL)

Course Code: B1LIS003P

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-3	Practical	04	08	120hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Identify the Specific Subject of the Document by analysing the contents.
CO 2	Devise call numbers of the documents by constructing class numbers and book numbers
CO 3	Understand the logic of mapping of subjects.
CO 4	Impart Practical training to the students in cataloguing various types of documents according to the AACR-2
CO 5	Catalogue the works with Pseudonymous authors, Works with Uniform Titles and Serials Publications.

PARTICULARS	**Teaching Hours (Max. 120)**
Classification	
1) Classification of documents by identifying Specific Subject, identification of documents representing simple, compound and complex subjects.	30 Hours
1) Structure of DDC, Introduction to 23rd edition of DDC, Use of Standard subdivisions (table 1) and use of table 2 to 6 in DDC 2) Assigning Book Numbers and introduction to Web Dewey	30 Hours
Cataloguing of Simple and Complex Documents	
1) Cataloguing of printed monographs- Levels of Description 2) Single personal Authorship 3) Shared Responsibility 4) Cataloguing of works under editorial direction 5) Cataloguing of multi-volume and multi-part documents.	30 Hours
6) Cataloguing of works under Pseudonymous authors – and Works with Uniform Titles. 7) Cataloguing of Serials Publications 8) Cataloguing of works authored by various types of corporate bodies: Government publications, Institutional publications, Society publications, 9) Cataloguing of Conference/Seminar proceedings, Workshop materials etc.	30 Hours
REFERENCES	
1. Anglo American Cataloguing Rules: 2nd Rev. ed. (2002). New Delhi: Oxford. 2. Cristán, A. L., & Tillett, B. B. (2009). IFLA cataloguing principles: the statement of international cataloguing principles (ICP) and its glossary: in 20 languages. München: K. G. Saur.	

3. Hunter, Eric J. and Bakewell, K.G.G.: Cataloguing, 3rd ed., London, Clive Bingley, 1991
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7. Kumar, P. S. G. (2003). Knowledge Organization Information Processing and Retrieval Practice. New Delhi: BR
8. Moore, J. A. Ed. (2002). Practical Reading: Processing Information. Boston: Addison Wesley.
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Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: INFORMATION SOURCES (THEORY)
Course Code: B1LIS004T

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-4	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	understand the characteristics of different sources of information.
CO 2	gain the knowledge of non-print sources of information.
CO 3	know the structure of different sources of information.
CO 4	Understand the nature and characteristics of electronic resources .
CO 5	Know about different Human and Institutional sources of information.

PARTICULARS	**Teaching Hours (Max. 60)**
Unit 1: Information Sources	
1) Meaning definitions, Nature, Importance, Characteristics 2) Documentary and Non-Documentary sources ; Primary, Secondary and Tertiary Sources of Information and their Characteristics 3) Criteria for Evaluation of Information Sources 4) Other sources such as OCLC, Open Archive, WorldCat ,Indcat	15 Hours
Unit 2: Non-Documentary Sources	
1) Meaning, definition and features of Non-documentary sources. 2) Human Sources: Information generators, information gatherers, information processors, Information recorders, information disseminators, Technological gatekeepers, Invisible collages, Consultants, Experts/resource persons, Extension workers, Representatives of firms. 3) Institutional / Organizational Sources: Government ministries and departments, R& D organizations, learned societies, Publishing houses, Broadcasting stations, 4) Archives, Data banks, Information analysis centers, Referral centers, Institutional web sites	15 Hours
Unit 3: Non – Print Sources	
1) Meaning, Definition, features of Non-print sources 2) Microforms, Audio visual materials, Optical media-based databases, 3) Online databases, Interviews, Personal communications, podcast. 4) Social Networking sites: Twitter, Telegram, facebook, YouTube, Whats-app, Instagram, flicker, Mobile apps.	15Hours

Unit 4: Electronic information Resources.	
1) Electronic Resources: Meaning, Concept, Definition, Emergence, features, advantages and disadvantages 2) Types of E-Resources: Databases, E-Books, E-Journals, E-theses, E-newspapers, Multimedia objects, 3) E-references, Subject Guides, Bibliographic Databases, Open Content, Subject Gateways, Portals, Wikipedia, blogs, etc 4) Online dictionaries/encyclopaedias/directories, Personal and Institutional websites, Subject Gateways and Portals. 5) Bulletin board services, Open access resources: DOAJ, DOAB. Open DOAR.	15 Hours

REFERENCES

1. Alan Poulter, Gwyneth Tseng and Goff Sargent: The Library and Information Professional's Guide to the World Wide Web. London: Facet Publishing, 2007
2. G. G. Chowdhury and Sudatta Chowdhury. Information Sources and Searching on the World Wide Web. London: Facet Publishing, 2012.
3. Gopinath, M.A: Information Sources and Communication Media. DRTC Annual Seminar, Bangalore-1984.
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6. Kumar, P.S.G. (2004). Information Sources and Services. Delhi: B. R. Publishing.
7. Sewasingh: Hand book of International Sources on Reference and Information, Crest publishing, New Delhi 2010.

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: INFORMATION TECHNOLOGY: BASICS (THEORY)
Course Code: B1LIS005T

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-5	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Understand and learn the basic skills of Information Technology and computer
CO 2	Outline the components of a computer and differentiate between Input and Output Devices
CO 3	Identify and understand the different useful application software
CO 4	Learn about the different Number Systems (Binary, Octal, Decimal and Hexadecimal)
CO 5	Analyse the different programming languages (Machine, Assembly and High-Level Languages)

PARTICULARS	**Teaching Hours (Max. 60)**
Unit 1: Information Technology and Introduction to Computer	
1) Meaning, Definitions, Evolution, Revolutions: Agricultural, Industrial, Technology, Information revolutions, 2) Scope, Importance, Components, Functions, Benefits and Applications 3) Concept, Definition, Historical Developments, Characteristics, 4) Classification of Computers: Generations, Size, Principle 5) Benefits of Computer / Disadvantages	15 Hours
Unit 2: Computer Architecture and Data Representation	
1) Components of a Computer: Types of Memory, 2) Computer Diagram, Central Processing Unit (CPU), Input and Output Devices, Internal and External Storage Devices 3) Data representation in computers 4) Number Systems: Binary, Decimal, Octal and Hexadecimal (Addition, Subtraction of Number Systems) 5) Conversion of Binary to Other Number System and Vice-Versa. Character Encoding Standards: ASCII, EBCDIC, ISCII and UNICODE.	15 Hours
Unit 3: Software: System Software and Application Software	
1) System Software: Software, Hardware and Firmware, Purpose, 2) Classification of Operating Systems: Multi User, Multi processing and Multi-Tasking, Operating Systems – 3) Microsoft Windows, Open-Source Operating Systems 4) Application Software: Concept, Benefits 5) Application Software Examples: MS-Office - Ms-Word, Excel, Power point, Internet Browsers, Open Office.Org, Anti-Virus Programs, Web Designing Tools, HTML Editors, Software Suits	15 Hours

Unit 4: File Organization and Overview of Programming Languages	
1) File Concepts: Meaning and Definitions, Features, Attributes, File Types: Text, Audio, Video, Image, Executable, Methods, Functions, 2) Types of Organizing A File: Sequential, Inverted, Indexed Sequential and other methods 3) Concept, Need, Examples 4) Machine, Assembly and High-level programming languages 5) Programming Concepts: System Analysis, Algorithms and Flow-Charts	15 Hours

REFERENCES

1. Alexander, Tom and Mathew, Joe (2012). Computer and Information Technology. New Delhi: Neha Publishers & Distributors.
2. Arvind Kumar Ed. (2006). Information Technology for all (2 Vols.). New Delhi: Anmol.
3. Jain, Praveen C.A. (2015). Information Technology. New Delhi: Jain Publishing.
4. Gupta, Vikas (2005). Rapidix Computer Course. New Delhi: Pustak Mahal.
5. Satyanarayana, R. (2005). Information Technology and its facets. Delhi: Manak.
6. Dhamdher, D.M. (2012). Operating Systems: A concept Based Approach. New Delhi: Jain Publishing.
7. Vittal, N. and Mahalingam, S. (2001). Information Technology: India's Tomorrow. New Delhi: Manas.

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: INFORMATION TECHNOLOGY (PRACTICAL)

Course Code: B1LIS006P

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-6	Practical	04	08	120hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
At the end of this paper the students will be able to:	
CO 1	Identify the computer peripheral devices
CO 2	Understand the different operating systems (Windows, Linux)
CO 3	Analyse and outline various skills of MS office packages (MS-Word, Excel and Power point)

Particulars	**Teaching Hours (Max. 120)**
Introduction to Peripheral Devices: Input Devices	14 Hours
Introduction to Peripheral Devices: Output Devices	14 Hours
Introduction to Operating Systems: Windows	14 Hours
Introduction to Operating Systems: Linux	14 Hours
Introduction to MS Word	14 Hours
Introduction to MS Excel	14 Hours
Introduction to MS Power Point	18 Hours
Creation of E-mail IDs in different domains	18 Hours

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

M.Lib.I.Sc Semester – II
Discipline Specific Course (DSC)

Course Title: MANAGEMENT OF LIBRARIES AND INFORMATION CENTRES (THEORY)

Course Code: B2LIS001T

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-7	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Understand the principles of management and their application in Library and Information Centres.
CO 2	Identify the different divisions / sections of Library and Information Centres.
CO 3	Recognise the different types of resources required to manage the Library and Information Centres.
CO 4	Understand the problems and challenges involved in the management of Library and Information Centres.
CO 5	Understand the importance of Total Quality Management (TQM) and its application in Library and Information Centres.

PARTICULARS	Teaching Hours (Max. 60)
Unit 1: Library Systems and their Components	
1) Introduction to library administration 2) Library Housekeeping operations 3) Acquisition and Collection Development: policy, procedures, Document circulation-functions, procedures, and methods, 4) Serials control-functions, procedures and methods, Stock verification, Archiving- Conservation-Preservation: Print and non-print materials. 5) Organizational structure, Library Authority and Library Committee	15 Hours
Unit 2: Different Theories and Principles of Management	
1) Management theories and applications: Meaning, Definition, Need and Relevanc 2) Schools of Management thought – Classical Management Theory, Neoclassical Theory, Modern ManagementTheory, Problems and Conflicts in Management Theories Principles of Management 3) Management functions – planning, organizing, staffing, leading, Budgeting and controlling, Human Resource Management: Delegation, communication and participation, 4) Job description and analysis; Job evaluation, Interpersonal relations, 5) Recruitment procedures, Motivation; Group dynamics, Training and development, Discipline and grievances, Performance appraisal	15 Hours

Unit 3: Financial Management	
1) Sources of Finance and their Importance.Income Generation 2) Budgeting: Meaning and Definitions. Tips for Preparation of Budget. 3) Types of Budget: Line Budget, PPBS and Zero-Based Budgeting (ZBB).Budget as a Control Device. 4) Cost effectiveness and Cost Benefit Analysis. Out sourcing. 5) Management of Information systems (MIS): Concept, Use.Project Management, PERT / CPM.	15 Hours
Unit 4: Physical Facility Management &Planning	
1) Total Quality Management (TQM): Concept, Meaning, Definitions and Elements 2) Use of Technology and Technology Management.Risk Management, Contingency Management. 3) Planning: Concept, Definitions, Need, Purpose and Types.Policies and Procedures, Management by Objective (MBO). 4) Building and Space Management in Library and Information Centres.Planning for new place, moving to new Location.Library Statistics. 5) Library Committees: Importance, Types and Functions.Library Rules and Regulations.Annual Report: Compilation, Contents and Style.	15 Hours
REFERENCES	
1. Besterfield, D. H. Total Quality Management. Prearson, New Delhi. 2011. 2. Brophy, Peter and Courling Kote. Quality Management for Information and Library Managers. Bombay: Jaico, 1997. 3. Iyer, V. K. Library Management of Staff Training and Development. Delhi: Rajat, 1999. 4. Kumar P.S.G. Management of Libraries and Information Centres. Paper V of UGC Model Curriculum. Delhi: B.R Publishing Corporation, 2003 5. Paliwal, P.K. Compendium of Library Administration. New Delhi: Ess Ess, 2000. 6. Pankl, V., & White, D.T. Recruitment, Development, and Retention of Information Professionals: Trends in Human Resources and Knowledge Management. Business Science Reference, 2010. 7. Sengar Sunita & Singh, R K. Human Resource Management in Libraries. Shree Publisher & Distributors. New Delhi. 2009. 8. Edward Evans G. and Camila A. Alire, Management Basics for Information Professionals, London: Facet Publishing, 2013. 9. http://egyankosh.ac.in/	

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: INFORMATION SYSTEMS AND SERVICES (THEORY)
Course Code: B2LIS002T

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-8	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Understand the importance of information services.
CO 2	Identify different kinds of Information Centres and their role in information dissemination.
CO 3	Familiarize with different types of information centres at the National and International level.
CO 4	Understand the significance of Reference service.
CO 5	Identify and use of Open Access Resources.

PARTICULARS	**Teaching Hours (Max. 60)**
Unit 1: Information Systems and Information Services	
1) Information Systems Basic concepts, components; Characteristics and Kinds of Information Systems: Libraries, Documentation Centres, Information Centres, Databanks, Information Analysis Centres, Referral centres. 2) Functions of Information Systems: Information Service: Meaning Definition, Need and Purpose of Information Service. 3) Reference Service: Types of Reference Service: Short Rang, Long Rang and Readers Advisory Services. 4) Information Alerting Services: News Paper Clipping Service; Current Awareness Services (CAS); Selective Dissemination of Information (SDI); Abstracting and Indexing services. 5) Information Services: Reprographic Service, Literature Search Services, Document Delivery Services (DDS), Electronic Document Delivery Services (EDDS), Translation Services.	15 Hours
Unit 2: Planning, Designing and Evaluation of National and International Information Systems	
1) Planning of Information Systems: Planning Process, Need for Planning, Advantages of Planning. 2) Factors in Planning:Steps in Planning, Standards for Planning, Objectives of the Planning of Information Centre. 3) Evaluation of Information Systems – Process of Evaluation, Levels of Evaluation. 4) Evaluation Criteria. 5) Importance of Evaluation	15 Hours

Unit 3: National and International Information Systems and Services	
1) National Institute of Science Communication and Policy Research (NIScPR), 2) Defence Scientific Information & Documentation Centre (DESIDOC), 3) National Social Science Documentation Centre (NASSDOC), 4) Information and Library Network (INFLIBNET), 5) Indian Council of Social Science Research (ICSSR) 6) UNESCO – PGI, INIS, AGRIS, MEDLARS.	15 Hours
Unit 4: Open Access Initiatives	
1) Open access: Concept, Need, Characteristics and Types. 2) Open Access Initiatives in India. 3) Evolution of Institutional Repositories. 4) Institutional Repositories - Concepts and Issues. 5) Repositories and Open Archives - Implementing institutional repositories	15 Hours

REFERENCES

1. Asija, Sunitha. Documentation services in India: A review of some selected documentation centres. New Delhi, Academic Publications, 1998.
2. Carmel, Maguire, Weir, Anthony D., Kazlauskas, Edward J. (2013). Information Services for Innovative Organizations. Emerald Group Publishing Limited
3. Gupta, B.M. et al. (1991). Handbook of libraries, archives, Information centres in India. New Delhi: Aditya Prakshan.
4. Krishan Kumar (1990). Reference service. New Delhi, Vikas.
5. Neelameghan A. & Prasad, K.N. (Eds,), (2005). Information systems and services in India. Bangalore: SRELS.
6. Sing, Gurudev. Information Sources Services and Systems, Delhi: PHI Learning Private Limited, 2013.
7. Smith, Linda C., & Wong, Melissa A. (2010). Reference and Information Services: An Introduction, / 5th ed., Libraries Unlimited.
8. Smith, Linda C., & Wong, Melissa A. (2010). Reference and Information Services: An Introduction, / 5th ed., Libraries Unlimited,

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: LIBRARY AND USERS (THEORY)
Course Code: B2LIS003T

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-9	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
Students who complete this paper will be able to:	
CO 1	Understand the different category of library users and their information needs
CO 2	Know the Information Seeking Behavior (ISB) of users and to develop ability to recognize the different patterns adopted by users in retrieving and making use of information
CO 3	Conduct User Studies by adopting different methods and techniques.
CO 4	Understand the importance of information and identification of potential sources and their evaluation
CO 5	Know the significance of Life Long Learning.

PARTICULARS	**Teaching Hours (Max. 60)**
Unit 1: Information Users and their Needs	
1) User Communities: Students, Teachers, Scientists and Technologists, Research and Development Personnel, Planners, Policy Makers, Ethnic groups and other professionals 2) Need and Information Needs: Meaning, Definition, Distinction between need, want, demand and requirement, 3) Types of Information Needs: Physiological, Affective and Cognitive 4) Information Seeking Behavior: Meaning, Definition, Different Models of ISB. 5) ISB in the Digital Environment	15 Hours
Unit 2: Methods and Techniques of conducting User Studies	
1) User Studies: Concept, Meaning, Definition and its significance 2) User studies in the Digital Environment; 3) Planning of User studies; Case studies 4) Quantitative and Qualitative Techniques: Survey Method, 5) Techniques of data collection, Questionnaire, Interview, Observation, Diary, Record Analysis and Citation Studies; Sampling: Sampling techniques.	15 Hours
Unit 3: User Education and Information Literacy	
1) User Education: Meaning, Definitions and Importance; User Education in the digital environment. 2) Methods of conducting User Education; Evaluation of User Education Programs (UEP) 3) Resource Based Instruction, MOOCS, Online Resources	15 Hours

4) Information Literacy: Conceptual Analysis, Historical Development of the concept, Significance; Types of Literacies; Information Literacy Models 5) Life Long Learning: Life Long Learners; Major Drivers of lifelong learning	
Unit 4: Global Trends	
1) IL Standards and Guidelines. 2) Development of National and International Standards 3) National Information Literacy Missions, Forums and Task forces 4) Integration of Information Literacy at different levels of education 5) Global Perspectives, Information Literacy in India	15 Hours

REFERENCES

1. P. Balasubramanian, P. (2011). Users and Uses of Library. New Delhi, Deep and Deep Publications Pvt. Ltd.
2. Ruthven, I and Kelly, D. (2011). Interactive Information-seeking Behaviour and Retrieval. London: Facet Publishing.
3. Alvite, L. and Barrionuevo, L. (2011). Libraries for Users: Services in Academic Libraries. Oxford: Chandos Publishing.
4. Ford, N. (2015). Introduction to Information Behaviour. London: Facet Publishing.
5. Grassian, E. S., Kaplowitz J. R. (2009). Information Literacy Instruction: Theory and Practice. Chicago: Neal-Schuman Publishers, Inc.
6. Eisenberg, M. B., Lowe, C. A. and Spitzer, K. L. (2004). Information Literacy: Essential Skills for the information age. London: Libraries Unlimited.
7. Kawatra, P. S. (1997). Library user studies: Manual for librarians and information scientists. Mumbai, Jaico.
8. Kumar, P. S. G. (2004). Library and Users: Theory and Practice. Delhi: B. R. Publishing Corporation.
9. Henry, M. and Morgan, S. (2002). Practical strategies for modem academic library. London: Aslib-IMI.
10. Biblarz, D., Bosch, S. and Sugnet, C. (2001). Guide to Library User Needs Assessment for Integrated Information Resource Management and Collection Management. Maryaland: Scarecrow Press, Inc

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: INFORMATION SERVICES AND INFORMATION TECHNOLOGY (PRACTICAL)

Course Code: B2LIS005P

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-10	Practical	04	08	120hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	develop an understanding of organizing information sources.
CO 2	understand the principles and practices of document description including electronic documents.
CO 3	Familiarize with various information services to be provided in the libraries.
CO 4	acquire skills in planning and management of information services and systems.
CO 5	develop skills for creating new information services.

PARTICULARS	**Teaching Hours (Max. 120)**
Exercises on reference questions	14 Hours
Evaluation of reference documents	14 Hours
Database searching and retrieval: MOOCs, Institutional repository, Open course wares, e-PG pathashala, E-Shodhsindu, Vidya-Mitra.	14 Hours
Searching Subject directories, Subject gateways, web directories, Library portals, Consortia based resources.	14 Hours
Preparation of Current awareness list	14 Hours
Compilation of Press clipping.	14 Hours
Development of computer-based information services, Online Information Services. Information alerting services. Current Awareness Services,	18 Hours
Selective Dissemination of Information (SDI), Translation and Document delivery Services, Virtual reference service.	18 Hours

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: INFORMATION PROCESSING & RETRIEVAL - UDC & NON-BOOK MATERIALS (PRACTICAL)

Course Code: B2LIS006P

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-11	Practical	04	08	120hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Understand the structure of Universal Decimal Classification (UDC)
CO 2	Devise call numbers of the documents by constructing class numbers and book numbers
CO 3	Understand the logic of mapping of subjects in Universal Decimal Classification (UDC)
CO 4	Catalogue the Non-Book Materials including Electronic resources.
CO 5	Apply the ISBD for Cartographic Materials, Manuscripts and Computer Files.

PARTICULARS	Teaching Hours (Max. 120)
Universal Decimal Classification (UDC)	
1) Introduction to UDC and its structure; Use of Common Auxiliaries and special Auxiliaries	30 Hours
2) Construction of Class numbers, Filing order and Citation order, Assignment of Book Numbers.	30 Hours
Cataloguing of Non-Book Materials	
3) Cataloguing of Cartographic Materials 4) Cataloguing of Manuscripts.	30 Hours
5) Cataloguing of Sound Recordings, Motion Pictures and video Recordings. 6) Cataloguing of Electronic Resources and Computer files.	30 Hours
REFERENCES	
1. Asija, Sunitha. Documentation services in India: A review of some selected documentation centres. New Delhi, Academic Publications, 1998. 2. British Standards Institution (2003). Universal Decimal Classification. United Kingdom: British Standards Institution. 3. Carmel, Maguire, Weir, Anthony D., Kazlauskas, Edward J. (2013). Information Services for Innovative Organizations. Emerald Group Publishing Limited 4. Gupta, B.M. et al. (1991). Handbook of libraries, archives, Information centres in India. New Delhi: Aditya Prakshan. 5. Kalinina, E. & Smirnova, A. I. (1986). Vocabulary of Terms on UDC Theory & Practice. Russia: All-Union Institute. 6. Khanna, J. K. (2009). Universal Decimal Classification. Agra: Y. K. Publishers	

7. Krishan Kumar (1990). Reference service. New Delhi, Vikas.
8. Neelameghan A. & Prasad, K.N. (Eds,), (2005). Information systems and services in India. Bangalore: SRELS.
9. Raju, A. A. N. (2007). Universal Decimal Classification (IME – 1993): Theory and Practice: A Self-Instructional Manual. New Delhi: Ess Ess Publisher.
10. Sehgal, R. L. (2002). An Introduction to UDC. New Delhi: Ess Ess.
11. Sing, Gurudev. Information Sources Services and Systems, Delhi: PHI Learning Private Limited, 2013.
12. Singh, K. P. (2013). UDC A Manual for Classification Practical and Information Resources. New Delhi: Today Tomorrows.
13. Smith, Linda C., & Wong, Melissa A. (2010). Reference and Information Services: An Introduction, / 5th ed., Libraries Unlimited,
14. Smith, Linda C., & Wong, Melissa A. (2010). Reference and Information Services: An Introduction, / 5th ed., Libraries Unlimited,

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Discipline Specific Elective (DSE)

Course Title: ELECTRONIC INFORMATION SOURCES AND SERVICES (OPEN ELECTIVE) (THEORY)

Course Code: B2LIS004OT

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSE-1	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
Students who complete this paper will be able to:	
CO 1	Understand the basics of Information Sources (Primary, Secondary and Tertiary)
CO 2	Learn various search engines and search strategies
CO 3	Analyse the types of electronic information resources (e-journals, e-databases, e-books etc.)
CO 4	Develop information literacy skills and competencies
CO 5	Outline various electronic information sources

PARTICULARS	**Teaching Hours (Max. 60)**
Unit 1: E-Information and Internet Sources	
1) Concept, Characteristic Features and Use. 2) Types of Sources (Primary, Secondary, Tertiary and Non-Documentary Sources) 3) Concept, Kinds of Internet Sources, Services 4) Search Engines: Meaning and Definitions, Working of SEs, Types: General, Meta Intelligent, Subject Specific, Specialized. 5) Criteria for Evaluation of Internet Resources	15 Hours
Unit 2: Electronic Publishing	
1) Introduction to E-publishing, meaning and definitions. 2) Electronic Information Sources: Meaning and Definitions, Historical Development of EIRs 3) Types of EIRs: E-journals, E-databases, E-books, Open Access Journals, Open access databases, Aggregators 4) Evaluation criteria for EIRs	15 Hours
Unit 3: Use of Electronic Information Sources	
1) Information Seeking Behaviour 2) Information Literacy: Concept, Meaning and Definitions, SCONUL's Seven Pillars of Information Literacy, Bruce's Seven Faces of Information Literacy, PLUS Model 3) Search and Browse: Basic Search and Advanced Search in E-databases 4) Search Strategy, Search Syntax, Boolean Operators, Search Techniques: Field Search, Wild Card Search, Phrase, File type, Stop words etc.	15 Hours

Unit 4: Electronic Information Services	
7) Meaning, Definition and Scope 8) Types of Information Services: Short range and long range 9) Information Alerting Services, E-mail, newspaper clipping service, Translation Service, Document Delivery Service, Bulletin Board Service, Use of Social Media Platforms	15 Hours

REFERENCES

1. Cooper, Michael D. (1996). Design of Library Automation Systems: File structure data structures and tools. New York: John Wiley.
2. Lesk, Michael (1997). Practical digital libraries: Books, bytes, and bucks. San Francisco: Morgn Kaufmann.
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5. Mahapatra, Rabindra (2013). Electronic Librarianship: Issues and Trends. New Delhi: JBA Book.
6. www.infolibrarian.com
7. www.libraryspot.com
8. www.refdesk.com

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

M.Lib.I.Sc Semester – III
Discipline Specific Course (DSE)

Course Title: INFORMATION AND COMMUNICATION (THEORY)
Course Code: B3LIS001T

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-12	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Understand the importance of Data, Information, Knowledge and to bring out the intrinsic relation between them.
CO 2	Recognise the role of new Information Manager in the Knowledge Society.
CO 3	Identify and outline the different channels of Communication in the transmission of information and knowledge.
CO 4	Understand the type of education and training required for LIS Professionals to render quality services to the user community.
CO 5	Understand the importance of marketing of Information products and services in a changed environment.

PARTICULARS	Teaching Hours (Max. 60)
Unit 1: Data, Information and Knowledge	
1) Data: Types, Nature and Characteristics 2) Information: Nature, Characteristics, Value and Property of Information. 3) Knowledge: Nature, Types, Value and Characteristics features. 4) Inter-Relation between Data, Information and Knowledge. 5) Role of new Information Managers in a changing environment.	15 Hours
Unit 2: Information Management and Knowledge Management	
1) Information Management: Meaning, Definitions and Value. 2) Knowledge Management: Meaning, Definitions and types of Knowledge. 3) Need for Knowledge Management. 4) Difference between Information Management and Knowledge Management. 5) Knowledge Management Models.	15 Hours
Unit 3: Communication in Information Society	
1) Concept, Meaning and Definitions: Information Generation and Communication.Channels of Communication:Formal and Informal;Downward, Upward and Horizontal;Verbal and Written. 2) Barriers of Information Communication, Models of Communication: Lasswell Model, and Shannon & Weaver Mathematical Model.Development and Evolution of Information Society.Agrarian, Industrial and Information Societies and their features and Characteristics.	15 Hours

3) Changing Role of Library and Information Centres in the Information Society.Issues of Information Society: Social, Political, Cultural and Economical.Policies relating to Information: Right to Information Act (RTI) and Intellectual Property Rights (IPR).Concept of Freedom, Censorship, Data Security and Fair Use. 4) National Information Policy on Library and Information Systems.International Programmes: 5) Universal Bibliographic Control (UBC). Universal Available Publications (UAP).	
Unit 4: Marketing of Information Products and Services	
1) Marketing: Meaning, Definition and Objectives. 2) Marketing of Information Products and Services in India.Marketing Research and Market Segmentation. 3) Marketing Mix: Supply, Product, Place and Price. 4) Marketing in Digital Environment. Economics of Information: Concept, Meaning, Definition and Characteristics. 5) Information of Economics: Concepts, Meaning and Characteristics.Information as a Resource in Production, Growth and Development.	15 Hours

REFERENCES

1. Ackerman, Mark S. [et al.]. Sharing Expertise: Beyond Knowledge Management. Boston: MIT Press. 2003
2. Debons, Anthony (et al). Information Science: An Integrated View. Boston, Mass.: G K Hall. 1988
3. Dhiman, Anil Kumar and Sharma, Hemant. Knowledge Management for Librarians. New Delhi: Ess Ess, 2009
4. Haravu L. J. Lectures on Knowledge Managemeant: Paradigms, Challenges and Opportunities. Bangalore:Sarada Ranganathan Endowment for Library Science. 2002
5. Kumar P.S.G. Information and Communication (Kumar's Curriculum Series in Library and Information Science) Paper IX of UGC model Curriculum. B. R. Publishing Corporation. 2004.
6. Rao, Madan Mohan. Leading with Knowledge: Knowledge Management Practices in Global Infotech Companies. New Delhi: McGraw Hill. 2003
7. Sahu, Ashok Kumar. Information Management in New Millennium: Opportunities and Challenges for Library Professionals. New Delhi: Ess Ess, 2008
8. Vickery, B.C. and Vickery, A. Information Science theory and practice, 1994
9. Webster, F. Theories of the Information Society. 2nd ed. London: Routledge. 2002
10. Wolpert, S. A. and Wolpert, J. F. Economics of Information, 1986.
11. http://egyankosh.ac.in/

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: INFORMATION RETRIEVAL, PROCESSING AND REPACKAGING (THEORY)

Course Code: B3LIS002T

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-13	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Understand the features and structures of Information Retrieval Systems.
CO 2	Gain the knowledge of information search and other search strategies.
CO 3	Understand the features and importance of Indexing Languages.
CO 4	Understand the different kinds of Indexing Systems.
CO 5	Anlayse Information Repackaging and Consolidation process.

PARTICULARS	**Teaching Hours (Max. 60)**
Unit 1: Introduction to Information Retrieval	
1) Introduction to Information Retrieval; overview of IR systems, purpose, Historical perspective, concept, features, scope, function. 2) Pre-coordinate & Post- coordinating Indexing. 3) Abstracting; Types uses, Abstracting Agencies and services. 4) Document clustering; Goodle's page rank model. 5) IR Systems and WWW.	15 Hours
Unit 2: Information Retrieval System	
1) Concept, Meaning, Definition, Objectives, 2) Characteristics, Components and Functions of IRS. 3) Objective and feature of Information search, 4) Advanced Search techniques; ex Boolean, fuzzy, truncation, proxtimity, phrase search. 5) Search strategies, pre search interview, search logic.Query; keyword based querying. Steps in query formulation, Tools of Internet Search, Search engines, Multiple database searching, Voice search, Image search, Video search engines. Multimedia information retrieval	15 Hours
Unit 3: Information Retrieval Models	
1) Models Based on Input / Output: Data Retrieval Model, 2) Information Retrieval Model, Knowledge Retrieval Model. 3) Models Based on Theories and Tools, Boolean Retrieval Model, Fuzzy Logic Model, Set Theoretic Model, Vector Space Model, Probabilistic Retrieval Model, Linguistic Model, Mathematical Model, Psychological Model, Economic Model and Hypertext Linkage Model. 4) Purpose and criteria for evaluation of IR	15 Hours

Unit 4: Content Repackaging and Consolidation	
1) Concept, meaning and utility of repackaging and consolidation of Information products. 2) Types of content Repackaging and Information consolidation of products, 3) Agencies dealing with repackaging, 4) Document delivery and Reprography techniques. - Translation Centers,	15 Hours

REFERENCES

1. Chowdhruy, G. G. Introduction to Modern Information Retrieval. 2nd edn. London, Facet Publishing, 2003.
2. . Cleaveland, D. B., Cleveland, A. D. Introduction to Indexing and Abstracting. 2001 3rd Ed. Englewood Colo.: Libraries Unlimited.
3. Crawford, M. J. (1988). Information broking: a new career in information work. London: Facet publishing.
4. Lancaster, F. W. (1968). Information retrieval systems, characteristics, testing and evaluation.1968, London: Facet publishing
5. Lancaster, F.W. (2003). Indexing and abstracting in theory and practice. London: Facet publishing.
6. Seetharama, S. Information consolidation and repackaging.1997, New Delhi: Ess Ess.

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: RESEARCH METHODS (THEORY)
Course Code: B3LIS003T

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-14	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
Students who complete this paper will be able to:	
CO 1	Understand the basics of Research and Research process.
CO 2	Apply the different Research Skills / Methods for solving different Research Problems.
CO 3	Analyse the appropriateness of research techniques to collect valid data and to analyse and interpret the data using statistical measures.
CO 4	Differentiate between Bibliometrics, Scientometrics, Informetrics and apply Bibliometric Laws.
CO 5	Write down the research experiences (Research Report) to others and adding them to the fund of knowledge.

PARTICULARS	**Teaching Hours (Max. 60)**
Unit 1: Foundations of Research and Research Design	
1) Research: Meaning, Definitions, Need and Purpose, Characteristics of Research. Research Process / Steps in Research - Types of Research: Fundamental or Pure and Applied, Motivation in Research, Role of Research in the development of scholarship. Barriers of Research / Problems encountered by researchers in India, Areas of Research in LIS 2) Planning of Research Process, Selection of a problem for Research: Mode of Selection, Sources of Problem, Identification of Research Problem: Characteristics, Journey from broad to narrow topics 3) Formulation of Research Problem - Research Design: Meaning, Definitions, Characteristics, Types, Contents of Research Design, Ethical Aspects of Research Variable: Concept, Meaning and Definitions, difference between concept and variable, Types 4) Hypotheses: Meaning and Definitions, Functions, Types of Hypotheses: Descriptive, Relational, Working, Null, Statistical, Common-sense, Complex, Analytical hypotheses, Sources of Hypotheses. 5) Literature Review: Concept, Meaning, Purposes, Planning the Review Work and Sources for Review	15 Hours
Unit 2: Research Methods	
1) Classification of Research: Scientific Methods – Meaning, Definitions, Characteristics, Steps and Arbitrary MethodsRanganathan's Spiral of Scientific Method 2) Types of Research .Based on Application: Pure and Applied , Based	

on Objectives: Descriptive, Exploratory, Correlational and Explanatory Research,Based on Enquiry Mode: Qualitative and Quantitative Research 3) Historical Research Method: Meaning, Purpose, Steps and Types Survey Method: Scope, Purpose, Types, Steps in Survey, Advantages and Disadvantages 4) Case Study Method: Concept, Characteristics, Objectives, Steps, Advantages and Disadvantages, Case Study vs. Survey Method. Delphi Method 5) Content Analysis: Characteristics, Steps, Advantages and Disadvantages'	15 Hours
Unit 3: Research Techniques and Tools	
1) Questionnaire: Meaning, Schedule vs. Questionnaire, Preparing a Questionnaire - Designing the Format, Types of questions to be added / avoided, Mechanics of the Schedule and Questionnaire, Characteristics of questionnaire, Advantages and Limitations. 2) Interview: Meaning, Importance, Characteristics, Requirements, Interview Process, Types of Interview, Interview Problems and Evaluation of Interview Method. 3) Observation: Importance, Characteristics, Types, Planning Observation, Observation Tools, Advantages and Limitations **Sampling Techniques** 4) Sample: Basic Concept, Types of Sampling - Probability Sampling or Random Sampling Techniques: Simple, Systematic, Stratified, Cluster, Multistage, Area, Multi phase etc. 5) Non-Probability: Convenience, Purpose, Quota and Snowball	15 Hours
Unit 4: Analysis and Interpretation of Data and Research Reporting	
1) Functions of Statistics, TypesGraphical Presentation of Data: Types of Graphs – Bar, Pie, Line Histogram etc.Measurement Scales: Descriptive Statistics – Measure of Central Tendency: Mean, Mode and Median. Inferential Statistics: Measures of Dispersion – Standard Deviation 2) Chi-Square Test, ANOVA, Regression Analysis, Co-efficient of Variation, Statistical Packages – PASW. Concept, Definition, Historical Development - Citation Databases: Scopus and Web of Science 3) Academic Footprints: H-Index and Impact Factor 4) Research Reporting: Concept, Characteristics of a Report, Functions of a Research Report, Planning Report Writing, Types of Research Report 5) Organization of Report: Structure, Style, Language, Guidelines of Research Reports. Reference Style Manuals: APA, MLA, Chicago etc. and Reference vs. Citation and Methods of Research Evaluation	15 Hours
REFERENCES	
1. Busa, Charles, H. and Harter, Stephen S. (1980). Research Methods in Librarianship: Techniques and Interpretation. Orlando: Academic Press. 2. Fowler, F.J. (1993). Survey research methods. New Delhi: Sage 3. Jackson, Sherri L. (2009). Research Methods and Statistics. New Delhi: Cengage Learning Indian Pvt. Ltd. 4. Kothari, C.R. (2009). Research Methodology: Methods and Techniques. New Delhi:	

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5. Krishan Kumar (1992). Research Methods in Library and Information Science. New Delhi: Vikas.
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8. Kumbhar, Rajendra (2014). Research Methodology: A step-by-step Guide for Beginners. New Delhi: Sage Publications.
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10. Ravichandra, Rao, I.K. (1985). Quantitative Methods for Library and Information Science. New Delhi: Wiley Eastern.

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Discipline Specific Elective (DSE) - 2

Course Title: INFORMATION LITERACY (OPEN ELECTIVE) THEORY

Course Code: B3LIS004OT

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSE-2	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
Students who complete this paper will be able to:	
CO 1	Understand the importance of Information.
CO 2	Recognize the information need and retrieve relevant information by accessing potential sources of information.
CO 3	Develop Internet search strategies by making use of different tools and techniques.
CO 4	Appropriately use the web for research, including critical evaluation of information.
CO 5	Understand the importance of Life Long Learning.

PARTICULARS	Teaching Hours (Max. 60)
Unit 1: Information Literacy (IL)	
1) Fundamentals of IL: Meaning, Definitions and Concepts, Historical perspective, 2) Developments in Agrarian Society, Industrial Society, Information Society Essence of Information Literacy in the Knowledge Society 3) Types of Information Literacies; Technology Literacy, Media Literacy, Computer Literacy, Digital Literacy Research Literacy	15 Hours
Unit 2: Information Literacy Standards, Guidelines and Models	
1) ALA, ACRL and IFLA Guidelines 2) Information Literacy Standards 3) Ellis model, Kuhlthau model, SCONUL and Empowering 8TM models 4) Partners of Information Literacy	15 Hours
Unit 3: Information Literacy and Libraries	
1) Role of Libraries in Information literacy 2) Developing Digital literacy skills among Librarians 3) Information literacy instructions in different types of Libraries, Academic, Public and Research 4) Integration of information literacy in different levels of education 5) Bridging the Digital Divide through IL	15 Hours
Unit 4: Life Long Learning and Information Literacy	
1) Meaning, Definition, Importance 2) Life Long Learners 3) Major Drivers of lifelong learning 4) Role of Information Literacy in higher education	15 Hours

5) Global Perspectives of Information Literacy 6) National Information Literacy Missions, Forums and Task forces 7) Information Literacy Initiatives and Programmes in India	

REFERENCES

1. Eisenberg, M. B., Lowe, C. A. and Spitzer, K. L. (2004). Information Literacy: Essential Skills for the information age. London: Libraries Unlimited.
2. Gilster, P. (2007). Digital Literacy. NewYork: Wiley.
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4. Grassian, E. S., Kaplowitz J. R. (2009). Information Literacy Instruction: Theory and Practice. Chicago: Neal-Schuman Publishers, Inc
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Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: APPLICATIONS OF INFORMATION TECHNOLOGY (THEORY)

Course Code: B3LIS005T

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-15	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Understand the basics of Library Automation.
CO 2	Learn different Library Software Packages including Open-Source Software.
CO 3	Understand the use of Communication Technology and Network Systems in Providing Library Services.
CO 4	Get acquainted with different kinds of Databases and understand their structure and components.
CO 5	Know about emerging technologies including Barcode, Smart card and Artificial Intelligence.

PARTICULARS	**Teaching Hours (Max. 60)**
Unit 1: Library Automation and Software Packages	
1) Automation: Meaning and Definitions and historical developments in Library Automation, Planning of Library Automation 2) Integrated Library System (ILS): Basic requirements, steps and Implementation, Components of Automated Library System: Acquisition, Cataloguing, Circulation, Serials Control Systems and OPAC 3) Development of Library software, Library Automation Standards 4) Library Automation Software: Functional Requirements 5) Types of Library Software, Proprietary Software and Open-Source software: SOUL, Koha, NewGenLib. Trends and Future of Library Automation Software's.	15 Hours
Unit 2: Communication Technology	
1) Communication Technology: Meaning, Definition and its Significance 2) Evolution of Communication Technology. 3) Chronological developments 4) Telecommunications: Different Media and Channels. 5) Communication Networks: Public Switched Telephone Network (PSTN) and Public Data Network (PDN), Wireless Communication, Cell phone.	15 Hours
Unit 3: Database Management System (DBMS) and E-Publishing	
1) Database: Concept, Functions, Components and Structure of Databases. 2) Categories of Databases: 3) Types of Databases: Single User Databases, Multiple User Databases, Centralized Databases, Distributed Databases, Hierarchical Databases, and Relational Database; Bibliographic, Numeric, Full text, Image and Multimedia Databases. 4) Database Management Tools and Databases in Library and Information	15 Hours

Centres. 5) E-Publishing: Meaning, Definition, Significance, DTP vs E-Publishing, Types of E-publishing, Digital copyright issues.Open Access movement and its impact on Scholarly Communication	
Unit 4: Emerging Technologies	
1) Emerging Technologies; Barcode Technology**:** Concept, Meaning and Definitions, Barcode Symbologies- Linear (1D) and Matrix (2D). Barcode technology and its application in Libraries and Information centers. 2) Radio Frequency Identification (RFID): Concept, and Characteristics; components of an RFID Library Management System: RFID tags / transponder, Readers or Sensors, Antenna, Server, RFID Label Printer, Handheld Reader, Self-Check Unit, External Book Return (Book Drops Stations); Types of RFID Tags: Active Tag and Passive Tag; Advantages and Disadvantages of RFID and its application in Libraries; Barcode Vs RFID; RFID and Smartcard Technology 3) Artificial Intelligence:Concept, Growth and Development; Purpose and Use of Artificial Intelligences. 4) Expert System, Natural Language Processing, and Pattern Recognition; Advantages and disadvantages of Artificial Intelligence. 5) Robots in Artificial Intelligence; Artificial Intelligence in Library and Information Services.	15 Hours
REFERENCES	
1. Chakravarthy, R. C. and Murthy, P. R. S. (2011). Information Technology and Library Science. New Delhi: Pacific Publications. 2. Chakravarthy, R. C. and Murthy, P. R. S. (2011). Information Technology and Library science. New Delhi: Pacific Publications. 3. Curtin, Dennis and others (1999). Information Technology: The breaking Wave. New Delhi: McGraw Hill Education. 4. ITL Education Solutions Limited (2012). Introduction to Information Technology. New Delhi: Pearson. 5. ITL Education Solutions Limited (2012). Introduction to Information Technology. NewDelhi: Pearson. 6. Kulkarni Parag and Joshi Prachi. (2015). Artificial Intelligence: Building an Intelligent System. NewDelhi: PHI 7. Kumar, P. S. G. (2004). Information Technology: Applications (Theory and Practice). New Delhi: B. R. Publishing 8. Ravichandra Rao (1996). Library Automation. New Delhi: New Age International. 9. Turban, Rainer and Potter (2006). Introduction to Information Technology. New Delhi: Wiley. 10. Vishwanathan, Thaigarajan. (2005). Telecommunications switching system and networks. New Delhi: Prentice Hall of India.	

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: APPLICATIONS OF INFORMATION TECHNOLOGY (PRACTICAL)

Course Code: B3LIS006P

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-16	Practical	04	08	120hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Understand the basics of different Library Management Software and their application.
CO 2	Install and operate different library automation software.
CO 3	Manage the Acquisition, Catalogue, Circulation Control and Serial Control modules.
CO 4	Create document records using MARC-21 format.
CO 5	Search and Import the Bibliographic data from Standard Bibliographic Databases.

PARTICULARS	**Teaching Hours (Max. 120)**
1) Library Manager (Free Software: Installation of Library Manager and Working with different Modules 2) Software for University Libraries (SOUL): Acquisition, Catalogue, Circulation, Serials Control, OPAC and their features	30 Hours
1) KOHA: Installation of Koha using live DVD. 2) Creating a Library, create a Super Librarian, Add an Item type, Patron Category, adding Patrons, Assigning Rights.	30 Hours
1) Modifying Bibliographic Framework. 2) Creating Document records with MARC21 format 3) Cataloging, Circulation, OPAC	30 Hours
NEWGENLIB: Installation of NewGenLib Software and its components 1) Working with Different Modules. 2) Searching and Importing Bibliographic data from WorldCat and IndCat to Koha and NewGenLib.	30 Hours

REFERENCES

1. Amant, Kirk St. and Still, Brian. Handbook on research on open-source software: Technological, economic, and social perspective. Hershey: Information Science Reference, 2007.
2. Banerjee, Kyle, & Parks, Bonnie. (2017). Migrating Library Data: A Practical Manual. Neal-Schuman Publishers. ISBN: 978-0838915035.
3. Cohn, John M., Kelsey, Ann L., & Keith Michael Fiels. (1998). Planning for library automation: A Practical Handbook. London: Library Association
4. Dania Bilal. (2015). Library Automation: Core Concepts and Practical Systems Analysis, / 3rd ed., Libraries Unlimited;
5. Hilal Ahmed. (2016). Integrated Library Management Systems: An Indian Scenario of Modern Library Automation / 1st ed., EssEss Publications

6. Jost, Richard M. (2016). Selecting and Implementing an Integrated Library System: The Most Important Decision You Will Ever Make / 1st ed., Chandos Publishing
7. Judy Brooks. (2014). Practical Systems Analysis in Library Automation and Management. Koros Press Limited.

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

M.Lib.I.Sc Semester – IV
Discipline Specific Course (DSC)

Course Title: NETWORKING AND INTERNET TECHNOLOGY (THEORY)
Course Code: B4LIS001T

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-16	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Understand the different computer networks like LAN, MAN and WAN.
CO 2	Learn different topologies of networks.
CO 3	Acquaint themselves with popular library networks- INFLIBNET, DELNET and DESINET.
CO 4	Understand the different Web Browsers and Search Engines.
CO 5	Provide services such as Bulletin Board Service and Document Delivery Service using Internet.

PARTICULARS	Teaching Hours (Max. 60)
Unit 1: Introduction to Networks	
1) Computer Networks: Meaning, Definitions and Characteristics. 2) Network media: Twisted-Pair Cable, Unshielded Twisted-Pair (UTP) Cable, Shielded Twisted-Pair (STP) Cable, Coaxial Cable, Optical fibre, 3) Network Components- Ethernet Cable, Network Interface Cards, Hubs, Routers, Gateway, Modem. 4) Network types: LAN, WAN, MAN, CAN, PAN, Wireless Networks: WiFi. 5) Concept of Topology – Types of Topology: Bus, Ring, Mesh, Star, Tree etc.	15 Hours
Unit 2: Library and Information Centre Networks	
1) Evolution, Need, Characteristics and Types of Library and Information Networks. 2) Functions of Library Networks 3) Classification of Networks: Resource sharing network; Data sharing network; Communication and data exchange networks. 4) Library application Networks at National Level: INFLIBNET, DELNET, ADINET, etc. 5) Library application Networks at International Level: Online Computer Library Center (OCLC)Research Libraries Group (RLG) — RLIN	15 Hours

Unit 3: Internet Technology	
1) Internet: Meaning, Definitions, History and Development of Internet 2) Internet Technology: Tools and Protocols- TCP/IP and others; Internet, Extranet and Intranet; Web Browsers: Types, Software, Book Marking, Caching, etc. 3) Internet security: Firewall and Proxy servers 4) Web 2.0 and Web 3.0 Technologies 5) Services of the Internet: E-mail, File Transfer Protocol (FTP), Remote Login, WWW, Teleconferences, Video conferencing. Bulletin Board Services and e-Document Delivery Service.	15Hours
Unit 4: Web Search Engines	
1) Search Engine: Meaning and Definitions, Concept of Search Engines 2) Types of Search Engines: General Search Engines; Meta Search Engines; Intelligent Search Engines; Subject Specific Search Engines. 3) Comparison of Different Search Engines. 4) Search Technologies and Strategies. 5) Benefits and Limitations of Search Engines.	15 Hours

REFERENCES

1. Andrew, Judith. Digital Libraries: Policy Planning and Practice. Hampshire: Ashgate, 2004.
2. Brophy, Peter. Libraries without walls: The distributed delivery of Library and Information Services. London: Facet Publishing, 2004.
3. Chwan-Hwa (John) Wu. Introduction to Computer Networks and Cybersecurity. New Delhi, CRC Press, 2013.
4. Janczewski, Lech. Internet and intranet security management: risks and solutions. Hershey: Idea, 2000.
5. Kurose, James F. and Ross, Keith W. Computer Networking: A Top-Down Approach. 6th Ed. New York: Pearson, 2012.
6. Pandian, Paul M. and Jabhekar, Ashok: Internet for Libraries and Information Centres, New Delhi: McGraw Hill, 2001.
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Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: DIGITAL LIBRARY AND MULTIMEDIA (THEORY)
Course Code: B4LIS002T

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-17	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Get Familiarize with internet and digital library.
CO 2	Understand the design and organisation of digital library for accessing information online.
CO 3	Know the scripts and standards required for web design.
CO 4	Understand the cyber laws and its implications on digital libraries.
CO 5	Identify computer hardware, software and other infrastructure required to develop digital library and Multimedia products.

PARTICULARS	**Teaching Hours (Max. 60)**
Unit 1: Introduction to Digital Library	
1) Digital Library - Nature, Meaning and Definitions, Objectives, Characteristics, 2) Digital Library Components: Identifiers – Handles – Digital Object Identifier (DOI) Persistent Uniform Resource Locator (PURL) Interoperability. 3) Digital Resources: Nature, Characteristics and types, Digital Library Services. Website-meaning and types; 4) Website Designing tools: HTML, XML, SGML. Google, web designer, word press 5) Contents of Library webpage. - Website evaluation criteria.Web Tools and Web Apps for LIS. Web servers, Scripting languages.	15 Hours
Unit 2: Digital Library Initiatives	
1) Evolution of Digital Libraries, DLI-I and DLI-II, E-Lib Programme, 2) Digital Library Initiatives at International level and in India. 3) Digital Library Software: GSDL, D-Space, E-Prints and Fedora. 4) Institutional Repositories.	15 Hours
Unit 3: Design and Organisation of Digital Library	
1) Architecture: Distributed, Federated, Service Oriented and Component based - Architectures. 2) Protocols and Standards. User Interfaces: Multilingual, Personalization and Visualization. 3) Social, Economic and Legal Issues. Challenges and Concerns for Digital Library. 4) Skilled manpower. Advantages and dis- advantages of Digital library.	15 Hours
Unit 4: Digital Resource Management	
1) Building Digital Library Resources – Born Digital and Digitized, Digital Content (Image and Text) Creation: general issues,	

2) Digitization process, standards, file formats, Unicode, Metadata.Selection and Acquisition of materials for Digitization.Storage and retrieval/usage of Digital Resources. Digital Library Evaluation. 3) Digital Collection Management and Evaluation – Issues and Strategies,Digital Rights Management. Copyright license issues, Creative Commons 4) Features and functions of Web 1.0, web 2.0 and web 3.0.RSS feeds, tag clouds, blogs, social book marking. 5) Web protocols: SOAP, Open URL, W3 standards.Online learning courses: Concept, need and importance: MOOCs and SWAYAM	15 Hours

REFERENCES

1. Xavier, C. World Wide Web Design with HTML. New Delhi: TMH, 2000.
2. Cooper. Michael D. Design of Library Automation System: File Structure, Data Structures and Tools. New York: John Wiley, 1996.
3. David Baker Wendy Evans, Digital Library Economics (Chandos Information Professional Series) 9781843344032, Chandos Publishing.
4. Diane Kresh , The Whole Digital Library Handbook :9780838909263 , ALA Editions 2015
5. Diane Kresh, WHOLE DIGITAL LIBRARY HANDBOOK: 9788184082326, Indiana Publishing House 2015.
6. G. G. Chowdhury. Introduction to Digital Libraries. London: Facet Publishing, 2013.

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Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: PUBLIC LIBRARY SYSTEM (THEORY)
Course Code: B4LIS003AT

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-18	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Identify and understand the role of public libraries in the modern society.
CO 2	Understand the organization and management of various types of resources and services.
CO 3	Identify the type of human resources required to serve in the public libraries.
CO 4	Understand the importance of Library Legislation in the promotion of public libraries in India.
CO 5	Recognise the importance of application of ICT for the modernization of public Libraries in India.

PARTICULARS	**Teaching Hours (Max. 60)**
Unit 1: Public Libraries Collection Development and Management	
1) Meaning, Definitions, Origin, Objectives, Functions and Services. 2) UNESCO Public Library Manifesto: 1972, 1994 and 2004. 3) Growth and Development of Public Libraries in USA, UK and India. 4) Role of Public Libraries in Modem Society: Socio-Economic Development of a Nation. 5) Collection Development: Policies and Procedures.Selection and Acquisition of different types of documents including non-book materials.Book Selection Tools and Principles of Book Selection.	15 Hours
Unit 2: Organisation and Management of Information Resources and Services	
1) Organization of Library, Staff Manual, Statistics, Work Measurement and Standards. 2) Organisation of Information Resources. 3) Planning and Organisation of various types of Information services to the different categories of users including the Physically Challenged. 4) Extension and Publicity Activities.	15Hours
Unit 3: Human Resource Planning, Management and Development	
1) Nature, Size, Selection & Recruitment and Qualifications. 2) Duties and Responsibilities. 3) Service conditions, 4) Training and Education. 5) Motivation and control.	15 Hours
Unit 4: Library Legislation & Financial Management	
1) Library Legislation: UK, USA and India. 2) Karnataka Public Libraries Act, 1965 and its features. 3) Comparative and Critical Study of Public Library Acts in India.	15 Hours

4) Concept, Meaning and Definitions. 5) Financial resources of Public Libraries.Mobilization and Estimation of Public Library Finance.Budget: Meaning, Definitions and Functions.Different types of Budget and application of PPBS in Public Libraries.IFLA Public Library Standards.	

REFERENCES

1. Beardwell, Ian and Holden, Len. Ed. Human Resource Management: Contemporary Perspective. New Delhi: McMillan, 1996.
2. Bilal, D. Library Automation: Core Concepts and Practical Systems Analysis. Ed. 3. Libraries Unlimited, 2014.
3. Iyer, V. K. Library Management of Staff Training and Development. Delhi: Rajat, 1999.
4. Kesavan, B.S. National Library of India, Calcutta. National Library, 1961.
5. Kumar, M. G., & Sethunath, V S. Public Libraries. Crescent Publishing Corporation. 2012.
6. Mittal, R.L. Public Library Law, Delhi: Metropolitan, 1971.
7. Ranganathan, S.R. Library Development Plan: A 30 year Programme for India with Draft Library Bill, Delhi: Delhi University, 1950.
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9. Goulding, Anne. Public Libraries in 21st Century: Defining Services and debating the future. Ashgare. United Kingdom. 2012.
10. http://egyankosh.ac.in/

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: ACADEMIC LIBRARY SYSTEM (THEORY)
Course Code: B4LIS003BT

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-19	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
At the end of this Paper students will be able to:	
CO 1	Understand the importance of Academic Libraries and their role in imparting education at different levels.
CO 2	Know about the role of UGC in the development of University and College libraries in India.
CO 3	Understand the concepts of Collection Development, Resource sharing, and Human Resource Planning & Management.
CO 4	Understand the different sources of finance and budgeting techniques to be adopted in Academic Libraries
CO 5	Plan and develop new services and facilities for the Academic library Users by Conducting User Survey.

PARTICULARS	**Teaching Hours (Max. 60)**
Unit 1: Academic Libraries	
1) Development of Higher Education and Libraries in India 2) Academic Libraries: Meaning, Definition, Importance, Functions; Types of Academic Libraries: School, College, University Libraries 3) Role of Libraries in Higher Education. 4) Higher Education and Libraries in India during pre- Independence and post- Independence periods 5) Role of Academic Libraries in the present electronic environment. Challenges of Academic Libraries in the Digital Environment	15 Hours
Unit 2: Regulatory Bodies and their Role in Promotion of Libraries in India	
1) Establishment of UGC. 2) Role of UGC in the Development of Academic Libraries. 3) Powers and Functions of UGC. 4) Committees Constituted by UGC for the development of College and University libraries. 5) Role of other regulatory bodies in the promotion of libraries in India.	15 Hours
Unit 3: Collection Development and Academic Libraries Services	
1) Ideal Characteristics of Academic Library collection 1) Meaning and Definitions of collection development 2) Book selection procedure 3) Collection development policy in the digital environment 4) Problems of collection development; Copyright uses in the digital environment; Digital Reference Services (DRS); Current Awareness	15 Hours

and SDI Service (CAS & SDI); E-mail Altering Services; Electronic Document Delivery Services (EDDS); Database Services. 5) User Education and Information Literacy.	
Unit 4: Management of Academic Libraries	
1) Human Resource Development (HRD) and Financial Management in Libraries 2) HRD: Meaning, definitions and importance. 3) Manpower planning and training: Continuing Education Programmes (CEPs) for Librarians. 4) Financial Management: Types of Budgeting, Lump sum Budget, Zero Based Budget (ZBB) and Program Planning Budgeting System (PPBS). 5) Library/ Information Networking: Definition, need and importance; Development of Information Network in India: DELNET, INFLIBNET, ERNET Library Consortia: Emerging Trends, E-Shodha Sindhu, Shodha Ganga, FORSA, INDEST	15 Hours

REFERENCES

1. Mathews, B. (2009). Marketing Today's Academic Library: A Bold New Approach to Communicating with Students. Chicago: American Library Association.
2. Petruzzelli, B. W. (2006). Real-Life Marketing and Promotion Strategies in College Libraries: Connecting with Campus and Community. London: Routledge.
3. Budd, J. M. (1998). The Academic Library: Its Context, Its purpose and Its operation. Englewood, Colorado: Libraries Unlimited.
4. Dayal, B. (2011). Managing Academic Libraries Principles and Practice. New Delhi: Isha Books.
5. Kumar, P. S. G. (2004). Information Sources and Services: Theory and Practice. Delhi: B. R. Publishing Corporation.
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7. Petruzzelli, B. W. (2006). Real-Life Marketing and Promotion Strategies in College Libraries: Connecting with Campus and Community. London: Routledge.
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Flemming, H. (1990). User Education in Academic Libraries. London.

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: SPECIAL LIBRARY SYSTEM
Course Code: B4LIS003CT

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-20	Theory	04	04	60hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
At the end of this Paper students will be able to:	
CO 1	Learn the basic information about the Special Libraries and types of Special Libraries.
CO 2	Plan, design and implement various information services to be implemented in Special Libraries.
CO 3	Understand the concepts of Resource sharing and Human Resource Planning & Management.
CO 4	Analyse the different Budgeting Techniques to be adopted in Special Libraries.
CO 5	Apply different use studies / techniques to solve user problems.

PARTICULARS	**Teaching Hours (Max. 60)**
Unit 1: Basics of Special Libraries and Resources Management	
1) Meaning, Definitions, Characteristics, Aims, Objectives, Functions 2) Types of Special Libraries: Government, R & D Libraries, Industrial, Hospital, Prison, Newspaper, etc. 3) History and Development of Special Libraries India 4) Meaning and Definitions, Purposes, Functions, Collection Development Process: Community Analysis and User studies, Collection Development Policy, Selection, Acquisition. 5) Resources Management: Meaning, Definitions, Storage, Evaluation and Weeding and Impediments and Guidelines for Collection Development	15 Hours
Unit 2: Planning of Various Information Services, Resource Sharing, Networking and Consortia	
1) Information Services: Concept, importance, types of Information Services - Reference: Active, Passive and Short-range and Long range and Referral Services, Abstracting and Indexing Services, Current Awareness Services: Current Contents, Bulletin Board and etc. 2) Selective Dissemination of Information, News Paper Clipping Service.Digest Service, Reprographic and Translation Service, Literature Search and Bibliographic Service and others, Web based Information Services: 3) Resource sharing E-mail, Use of Social Networking Sites. Meaning, Definitions, Need, Objectives, Functions and Components, From Library Cooperation toConsortia, Areas of Resource sharing 4) Networking: Meaning, Definitions, Need, INFLIBNET, DELNET etc.	15 Hours

5) Consortia: Meaning and Definitions, Concept, Need, Purpose	
Unit 3: Human Resource Planning and Management (HRP & HRM)	
1) Human Resource Planning: Meaning, Definitions, Need, Purpose, Elements, Personal Policy, Training and Development, Advantages. 2) Human Resources Management: Concept, Meaning and Definitions, Need, Scope, Aims, Objectives, Functions: Job Analysis, Job Evaluation, Job Description, Selection and Recruitment, Qualifications, Duties and Responsibilities, Service Conditions, Motivation and Control	15 Hours
Unit 4: Financial Management and User Studies in Special Libraries	
1) Meaning and Definitions, Sources of Finance 2) Budgeting Techniques: Meaning and Definitions, Need, Purpose, Characteristics; Types of Budget: Line-item, Lump-sum, Programme Budget, PPBS, ZBB.Methods of Financial Estimation and Allocation of Budget. 3) Planning and Principles of Library Building; Library Furniture and Equipment 4) Types of Users: Distinction between need, want, demand and requirement. 5) Types of Information Needs. Information Seeking Behaviour: Meaning and Definitions.User Studies: Meaning, Definitions and Importance. Use Studies: Concept, Need and Types	15 Hours

REFERENCES

1. Ashworth Wilfred. (1985). Handbook of Special Librarianship and Information Work. Ed. 4. London: ASLIB.
2. Ashwrorth, Wilfred (1979). Special Librarianship. London: Clibe Bingley.
3. Burket, J. (1968). Trends in Special Librarianship. London: Clive Bingley.
4. Eva Semertzaki (2011). Special Libraries as Knowledge Management Centres. New Delhi: Chandos.
5. Jackson, E.B. (1985). Special Librarianship: A New Reader. Metuchen: Screcrow press.
6. James, M. Matarazzo and Toby, Pearlstein (2013). Special Libraries: A Survival Guide. Libraries Unlimited Inc.
7. Singh, S.P. and Krishan, Kumar (2005). Special Libraries in the Electronic Environment. New Delhi: Bookwell.
8. Krishan Kumar (1973). Research Libraries in the Developing Countries. New Delhi. Vikas.
9. Panda, B.D. (1992). Towards a Special Library System. New Delhi: Anmol.
10. Mishra, R.K. (2013). Special Library System and Information Services. Centrum Press.

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: DIGITAL LIBRARIES AND MULTIMEDIA (PRACTICAL)
Course Code: B4LIS004P

Type of Course	Theory/ Practical	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Duration of exam	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-21	Theory	04	08	120hrs	3hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Understand the basics of Non-conventional Library services and activities.
CO 2	Understand different tools for developing Digital Library.
CO 3	Learn different Digital Library software.
CO 4	Create User community using D-Space.
CO 5	Learn to design website using content management software.

PARTICULARS	**Teaching Hours (Max. 120)**
1) Digitization process: Input / capture devices: Scanners and Digital Cameras. 2) Scanning and Digitization process. 3) Text and Image capturing and editing. 4) Optical Character Recognition for Text Editing.	30 Hours
1) Installation of Greenstone 2) Installation of D-Space. 3) Building collection: Word and PDF files, Multimedia collection.	30 Hours
1) Creating Metadata for the Word and PDF and Multimedia collection. 2) Building communities and collections in D-Space. 3) Creating collection	30 Hours
1) Content Management Software: Installation Content Management Software (Joomla/ Drupal/ WordPress). 2) Creating Website with any one Content Management Software.	30 Hours

REFERENCES

1. Carter, Roger: The Information Technology Handbook, Heinemann, London, 1987.
2. Andrews, Judith and Law, Derek G. Digital Libraries: Policy, Planning and Practice. Ashgate Publishing, Ltd., 2004, pp 263.
3. Arms Williams. Digital Libraries. Cambridge: MIT Press, 2000
4. Christine I. Borgman from Gtenberg to the Global Information Infrastructure: Access to the Information in the Networked world. Cambridge: MIT Press, 2000
5. Chowdhury G G and Chowdhury Sudatta. Introduction to Digital Libraries, London,Facet Publishing,2003, PP359.
6. Deegan Marilyn and Tanner Simon. Digital Futures: Strategies for the Information Age. Chennai, Allied, 2002
7. Tedd, Lucy A and Large, J. A. Digital Libraries: Principles and Practices in Global Environment. Walter de Gruyter, 2005.
8. Lesk M. Practical Digital Libraries: Books, Bytes, and Bucks. San Francisco: Morgan Coffman, 1997

Formative Assessment for Theory	
Assessment Occasion / type	**Marks**
Internal Assessment Test -1	10
Internal Assessment Test -2	10
Assignment	05
Total	**25**
Formative Assessment as per Guidelines	

Course Title: DISSERTATION
Course Code: B4LIS005A

Type of Course	Credits	Instruction hour per week	Total No. of lectures/Hours /Semester	Formative Assessment marks	Summative Assessment marks	Total Marks
DSC-22	04	04	60hrs	25	75	100

COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Understand the basics of research and its application.
CO 2	Know the different research methods of conducting research.
CO 3	Understand the different data collection tools and techniques.
CO4	Understand different sampling techniques
CO 5	Understand and analyse the different aspects of Report writing.

Dissertation Assessment	
Project Report : 35	Submission of 3 progress reports : 15
Presentation : 20	Interaction with Supervisor : 05
Viva-Voce : 20	Presentation : 05

Paper Code and Name	**B4LIS005B: INTERNSHIP (50 marks)**
COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Gain the practical knowledge of library house keeping activities.
CO 2	Understand the practical problems of library management.
CO 3	Develop leadership qualities.

Paper Code and Name	**B4LIS005C: EDUCATION TOUR REPORT (50 marks)**
COURSE OUTCOMES (COs)	
After completing this paper, the students will be able to:	
CO 1	Gain exposure to different kinds of libraries and their services.
CO2	After evaluating visited Library Tour Report must b e submitted.