

B.Com. (INFORMATION TECHNOLOGY)

CHOICE BASED CREDIT SYSTEM (CBCS)

Curriculum and Syllabus

Regular (2024–2025)



DEPARTMENT OF COMMERCE

FACULTY OF ARTS, SCIENCE, COMMERCE AND MANAGEMENT

KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act,1956)

(Accredited with A+ Grade by NAAC in the Second Cycle)

Eachanari (Post), Coimbatore – 641 021.

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FACULTY OF ARTS, SCIENCE, COMMERCE AND MANAGEMENT UNDERGRADUATE PROGRAMMES REGULAR MODE CHOICE BASED CREDIT SYSTEM (CBCS)

REGULATIONS – 2024

The following regulations are effective from the academic year 2024-2025 and are applicable to candidates admitted to Undergraduate (UG) programmes in the Faculty of Arts, Science, Commerce and Management, Karpagam Academy of Higher Education (KAHE) from the academic year 2024-2025 onwards.

1 PROGRAMMES OFFERED, MODE OF STUDY AND ADMISSION REQUIREMENTS

1.1 UG Programmes Offered

A candidate may undergo a programme in any one of the undergraduate programmes approved by the KAHE as given below.

S. No.	PROGRAMME	DISCIPLINE
1.	B.Com.	Commerce
2.	B.Com.	Computer Applications
3.	B.Com.	Professional Accounting
4.	B.Com.	Business Process Services
5.	B.Com.	Financial Analytics
6.	B.Com.	International Accounting and Finance
7.	B.Com.	Information Technology
8.	B.Com.	FinTech
9.	BBA	Business Administration
10.	B.Sc.	Biotechnology
11.	B.Sc.	Microbiology
12.	B.Sc.	Computer Science
13.	B.Sc.	Information Technology
14.	B.Sc.	Computer Technology

15.	B.Sc.	Computer Science (Cognitive Systems)
16.	B.Sc.	Computer Science (Artificial Intelligence and Data Science)
17.	B.Sc.	Computer Science (Cyber Security)
18.	BCA	Computer Applications

1.2 Admission Requirements (Eligibility)

A candidate for admission to the first year of the UG degree programme shall be required to have passed the Higher Secondary Examination (10 + 2) [Academic or Vocational] prescribed by the Government of Tamil Nadu Board or any similar examination of any other Board accepted by the KAHE as equivalent thereto. (Annexure I)

1.3 Mode of Study

All programmes are offered under Full-Time Regular mode. Candidates admitted under 'Full-Time' should be present in the KAHE during the complete working hours for curricular, co-curricular and extra-curricular activities assigned to them.

2. DURATION OF THE PROGRAMMES

2.1 The minimum and maximum period for the completion of the UG Programmes are given below:

Programme(s)	Min. No. of Semesters	Max. No. of Semesters
B.Sc., B.Com., BCA and BBA	8	14

2.2 Each semester normally consists of 90 working days or 450 Instructional hours of study. Examination shall be conducted at the end of every semester for the respective courses.

2.3 Multiple Entry and Exit

The students are allowed to exit the programme after 2 or 4 or 6 or 8 semesters with Undergraduate Certificate, Undergraduate Diploma, Undergraduate Degree and Undergraduate Degree with Honors/Honors (Research) respectively as per the regulations of NEP 2020. Similarly, the students from other institutions can join our university in the 3rd or 5th or 7th semester with an appropriate Undergraduate Certificate or Undergraduate Diploma or Undergraduate Degree certificates respectively.

3. CHOICE BASED CREDIT SYSTEM

Credit means the weightage given to each course by the experts of the Board of Studies concerned. All programmes are offered under Choice Based Credit System with a total number of 132 credits for three years. Additional credits of 40 can also be earned on successful completion of fourth year. A total of 172 credits are offered as per the UGC Guidelines for the four year UG Programme.

4. STRUCTURE OF THE PROGRAMME

4.1 Tamil or any one of the Indian / Foreign Languages *viz*, Hindi, Malayalam Sanskrit, French is offered as an Ability Enhancement Course (AEC) for Arts, Science, Commerce and Management Programmes. Twelve credits are awarded for each course and the examinations will be conducted at the end of each semester.

4.2. Major Courses, Minor Courses, Multidisciplinary Courses (MDC), Skill Enhancement Courses (SEC), Project Work, Ability Enhancement Courses, Value Added Courses (VAC) (Common to all UG Programmes), Summer Internship, Minor Project (for 3 Year programme), Research Project/Dissertation (for 4 Year programme) are part of curricular structure.

4.2.1. Major Courses

Major Courses consist of theory and practical of department domains for which examinations shall be conducted at the end of each semester. The students have to earn 82 to 86 Credits in Major Courses (Four years).

4.2.2. Minor Courses

Students have courses from disciplinary/interdisciplinary minors and skill-based courses. Students have to earn a minimum of 32 Credits in Minor Courses (Four years).

4.2.3. Multidisciplinary Courses (MDC)

All UG students are required to undergo 3 introductory-level courses relating to any of the broad disciplines. These courses are intended to broaden the intellectual experience and form part of liberal arts and science education. The students have to study three Multidisciplinary Courses and they have to earn a minimum of 09 Credits.

4.2.4. Skill Enhancement Courses (SEC)

These courses are aimed at imparting practical skills, hands-on training, soft skills, etc., to enhance the employability of students. Three Skill Enhancement Courses are offered within the first four semesters. The examination shall be

conducted at the end of respective semester. Students have to earn a minimum of 09 Credits in Skill Enhancement Courses.

4.2.5 Minor Project Work

The project work shall start at the beginning of sixth semester in the Department/Industry/Research Institute (National/International) and the project report has to be submitted at the end of the sixth semester. The project may be an individual or group task. The Head of Department concerned shall assign a project supervisor who in turn shall monitor the project work of the student(s). A project / dissertation work shall be carried out by the students and they have to earn 04 to 06 credits.

If the candidate undertakes the Research Project work outside the Department, the faculty concerned within the Department shall be the Supervisor and the teacher/scientist of the host institute will be the Co-supervisor. The candidate shall bring the attendance certificate from the place where the project work was carried out.

A Project Assessing Committee (PAC) shall be constituted with HoD and two senior faculty members of the Department. The PAC shall announce the dates for the reviews and demonstration. The student shall make a presentation on the progress and demonstration of their project before the PAC in the presence of their supervisor on the scheduled dates.

4.2.6. Ability Enhancement Course (AEC)

There are four Ability Enhancement Courses offered during the first four semesters. Three credits are awarded for each course and the examinations shall be conducted at the end of each semester. Students have to earn a minimum of 12 Credits in Ability Enhancement Courses.

4.2.7. Internship

The students exiting the programme after first year or second year must have completed 04 credits internship/apprenticeship during first year and second year summer term.

4.2.8. Value Added Courses (VAC)

The students will study Value Added Courses in the first four semesters of their programme. 6 to 8 credits need to be earned under VAC. The examinations will be conducted at the end of each semester for VAC courses.

The assessment of the VAC is based on Internal Evaluation. The components of evaluation and distribution of marks is as follows:

S. No.	Category	Maximum Marks
1.	Assignment	5
2.	Attendance	5
3.	Seminar	5
4.	Test – I (2 ½ Units)	12.5
5.	Test – II (2 ½ Units)	12.5
6.	Final Assessment (5 Units)	60
Total		100

4.2.9. Research Project /Dissertation

The candidates shall undertake the Research Project work in the eighth Semester in the Department/Industry/Research Institute (National / International). The report shall be submitted at the end of the eighth semester. Students have to earn a minimum of 12 Credits in Research Project/Dissertation Work.

If the candidate undertakes the Research Project work outside the Department, the faculty concerned within the Department shall be the Supervisor and the teacher/scientist of the host Institute will be the Co-supervisor. The candidate shall bring the attendance certificate from the place where the project work was carried out.

HoD shall assign a Project Supervisor who shall monitor the student's project work(s). A Project Assessing Committee (PAC) shall be constituted with HoD and two senior faculty members of the Department. The PAC shall announce the dates for the reviews and demonstration. The student shall make a presentation on the progress and demonstration of their project before the PAC in the presence of their Supervisor on the scheduled dates.

Approval of the project

The candidate has to submit, in consultation with his/her supervisor, the title, objective and the action plan of his/her project to the PAC on the first review. Only after obtaining the approval of PAC, the student can initiate the project work.

5. ADVANCED LEARNERS AND ON-DEMAND EXAMINATION

Students

1. Who secure 7.5 CGPA and maintain an attendance of 75% in every semester.
2. Who clear all the courses in their first appearance itself.

are referred to as advanced learners. When a student fails to maintain any of the above conditions at any given time, he cannot be an advanced learner further.

These students can request for an on-demand examination for the courses in their forthcoming semester(s). These students on prior registration can appear for such examinations well in advance and complete the entire courses well before the prescribed period of study and can progress for a full time Research Project/Internship/Minor Project during the remaining prescribed period of study. The Internal and External examinations will be conducted for these courses as like the other courses. One or more faculty mentors will be allocated based on the number of students/courses enrolled for the on-demand examination.

Also, these advanced learners can register for online courses from NPTEL/SWAYAM/SWAYAM Plus portals on prior and proper registration from the department. The credits earned from those courses will be transferred to the mark statement of the students.

6. CREDIT TRANSFER THROUGH ONLINE PLATFORM / INTERNATIONAL STUDIES

Students are encouraged to enroll in courses offered by MOOC platforms and international institutions of higher learning, either virtually or in person. The equivalent credits for these courses will be determined by a committee named Subject Equivalency Committee comprising the Dean, Head of Department (HoD), and one faculty member nominated by the Vice Chancellor. The committee's decision will be submitted for ratification/approval by the Board of Studies (BoS) and the Academic Council. Additionally, the equivalent grade points for marks/grades/grade points awarded by various MOOC platforms and international institutions of higher learning will be determined by a committee named Grade Equivalency Committee duly constituted by the Vice-Chancellor. The decisions of this committee will be submitted for ratification/approval by the Academic Council. This has been approved to be implemented from the even semester of the academic year 2024-25.

7. EXTRA CURRICULAR ACTIVITIES

Every student is encouraged to participate in at least any one of the following activities:

- National Service Scheme (NSS)
- National Cadet Corps (NCC)
- Sports / Mass drill

- Youth Red Cross (YRC)
- Club activities
- Other Extra-curricular activities

The student's performance shall be examined by the staff in-charge of activities along with the faculty mentor and the Head of the respective department. Marks for Extra-curricular shall be sent to the Controller of Examination (CoE) before the commencement of the Sixth End Semester Examinations. The above activities shall be conducted outside the regular working hours of the KAHE.

8. MEDIUM OF INSTRUCTION

The medium of instruction and examinations for the courses under Language I – Tamil / Hindi / Malayalam / French / Sanskrit shall be in the language concerned. For all other courses, the medium of instruction and examination should be in English.

9. MAXIMUM MARKS

Evaluation: Evaluation of the course comprise of two parts such as the Continuous Internal Assessment (CIA) and the End Semester Examination (ESE).

All the theory and practical courses shall carry a maximum of 100 marks, out of which 40 marks is awarded for Continuous Internal Assessment (CIA) and 60 marks for End Semester Examinations (ESE).

10. FACULTY MENTOR

To help students in planning their courses of study and for general advice on the academic programme, the HoD shall allot twenty students to a faculty who will function as a faculty mentor throughout their period of study. A Faculty mentor shall advise the students and monitor their behavior and academic performance. Problems if any shall be counseled by them periodically. The faculty mentor is also responsible to inform the parents of their mentee's progress. The Faculty mentor shall display the cumulative attendance particulars of his / her mentees periodically (once in 2 weeks) on the Notice Board to know their attendance status and satisfy the clause 14 of this regulation.

11. ONLINE COURSE COORDINATOR

To help students for planning their online courses and for general orientation on online courses, the HoD shall nominate a coordinator for the online courses. The Online course coordinator shall identify the courses which students can select for their programme from the available online courses offered by different agencies periodically and inform the same to the students. Further, the coordinators shall orient the students regarding the online courses and monitor their participation.

12. CLASS COMMITTEE

Every class shall have a Class Committee consisting of the faculty members of various courses of the class concerned, student representatives (Minimum 2 boys and 2 girls of various capabilities and Maximum of 6 members) and the concerned HoD / senior faculty as Chairperson. The objective of the Class Committee Meeting is all about the teaching – learning process. Class Committee shall be convened at least once in a month. The constitution and functions of the Class Committee shall include

1. The class committee shall be constituted during the first week of each semester.
2. The Class Committee of a particular class of any department is normally constituted by the HoD/Chairperson of the Class Committee. However, if the students of different departments are mixed in a class, the Class Committee shall be constituted by the respective Dean of the Faculty.
3. The HoD/Chairperson of the Class committee is authorized to convene the meeting of the class committee.
4. The respective Dean of the Faculty has the right to participate in any Class committee meeting.
5. The Chairperson is required to prepare the minutes of every meeting, and submit the same to the Dean concerned within two days after having convened the meeting. Serious issues if any shall be brought to the notice of the Registrar by the HoD/Chairperson immediately.
6. Analyzing and solving problems experienced by students in the class room and in the laboratories.
7. Analyzing the performance of the students of the class after each test and finding the ways and means to improve the performance.

13. COURSE COMMITTEE FOR COMMON COURSES

Each common theory course offered to more than one discipline or department shall have a “Course Committee” comprising all the teachers handling the common course with one of them nominated as Course Coordinator. The nomination of the course coordinator shall be made by the respective Dean depending upon whether all the teachers handling the common course belong to a single department or to various other departments. The ‘Course Committee’ shall meet in order to arrive at a common scheme of evaluation for the tests to ensure a uniform evaluation of the tests. If feasible, the course committee shall prepare a common question paper for the Internal Assessment test(s). Course Committee Meeting is conducted once in a semester.

14. REQUIREMENTS TO APPEAR FOR THE END SEMESTER EXAMINATION

a. Every student is expected to attend all classes and should secure 100% attendance. However, in order to allow for certain unavoidable circumstances, the student is expected to have at least 75% of attendance and the conduct of the candidate has been satisfactory during the programme.

b. A candidate who has secured attendance between 65% and 74% (both included), due to medical reasons (Hospitalization / Accident / Specific Illness) shall be given exemption from prescribed minimum attendance requirements and shall be permitted to appear for the examination on the recommendation of the Head of Department concerned and the Dean. The Head of Department has to verify and certify the genuineness of the case before recommending to the Dean concerned. However, the candidate has to execute an undertaking from the parent and the student should assure that, this situation does not arise in the future.

c. However, a Student who has secured less than 65% in any of the semesters due to any reasons, shall not be permitted to appear for the End Semester Examinations. But he/she will be permitted to appear for his/her arrear examinations. In order to redo the semester with lack of attendance he/she has to attend the corresponding semester of the subsequent year(s) with approval of the Dean of the Faculty, Dean - Students Affairs and the Registrar.

15. PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT

15.1 Attendance and Assessment: Every Faculty is required to maintain an **Attendance and Assessment Record (Log book)** which consists of attendance of students marked for each lecture/practical/ project work, the CIA, Assignment and Seminar marks and the record of class work completed (topic covered), separately for each course. This should be submitted to the HoD once in a week for checking the syllabus coverage, records of test marks and attendance. The HoD shall sign with date after due verification. The same shall be submitted to respective Dean once in a fortnight. After the completion of the semester the HoD should keep this record in safe custody for five years as records of attendance and assessment shall be submitted for inspection as and when required by the KAHE/any other approved body.

15.2 Continuous Internal Assessment (CIA): The performance of students in each course will be continuously assessed. Retest will be conducted and considered based on the requirements and recommendations by the Head of the Department on valid reasons. The distribution of marks for the Continuous Internal Assessment (CIA) are given below:

Theory Courses

S. No.	Category	Maximum Marks
1.	Assignment	5
2.	Attendance	5
3.	Seminar	5
4.	Test – I (2 ½ Units)	12.5
5	Test – II (2 ½ Units)	12.5
Total		40

Practical Courses

S.No.	Category	Maximum Marks
1.	Attendance	5
2.	Observation work	5
3.	Record work	5
4.	Internal Practical Assessment	20
5.	<i>Viva – voce</i> [Comprehensive]*	5
Total		40

*

Includes *Viva- voce* conducted during the model Exam practical.

Every practical Exercise / Experiment shall be evaluated based on the conduct of Exercise/ Experiment and records maintained.

15.3 Portions for Test Question Paper

Portions for Internal Test – I : 2 ½ Units

Portions for Internal Test – II : 2 ½ Units

15.4 Pattern of Test Question Paper

Theory Courses:

Maximum Marks : 100

Duration: 3 Hours

Section	Marks
Part – A	Short Answer Answer ALL the Questions (10 x 2 = 20 Marks)
Part - B	Long Answer – 5 six mark questions ‘either – or’ type Answer ALL the Questions (5 x 6 = 30 Marks)
Part - C	Essay type Answer– 5 ten mark questions ‘either – or’ type Answer ALL the Questions (5 x 10 = 50 Marks)

15.5 Attendance

Distribution of Marks for Attendance

S. No.	Attendance (%)	Maximum Marks
1	91 and above	5
2	81 - 90	4
3	76 - 80	3
4	Less than or equal to 75	0

16. ESE EXAMINATIONS

16.1 End Semester Examination (ESE): End Semester Examination will be held at the end of each semester for each course. The question paper is for a maximum of 100 marks.

16.2 Pattern of ESE Question Paper:

Theory Courses:

Maximum Marks: 100

Duration: 3 Hours

Section	Marks
Part – A	Short Answer Answer ALL the Questions (10 x 2 = 20 Marks)
Part - B	Long Answer – 5 six mark questions ‘either – or’ type Answer ALL the Questions (5 x 6 = 30 Marks)
Part - C	Essay type Answer– 5 ten mark questions ‘either – or’ type Answer ALL the Questions (5 x 10 = 50 Marks)

The 100 Marks will be converted to 60 Marks.

Practical Courses: There shall be combined valuation by the Internal and External examiners. The pattern of distribution of marks shall be as given below.

S. No.	Category	Maximum Marks
1.	Experiments	40
2.	Record work	10
3.	<i>Viva – voce</i> [Comprehensive]	10
Total		60

Record Notebooks for Practical Examination

Candidate taking the practical examination should submit Bonafide Record Notebook prescribed for the practical examination; failing which the candidate will not be permitted to take the practical examination.

In case of failures in Practical Examination, the marks awarded for the Record at the time of first appearance of the Practical Examination shall remain the same at the subsequent appearance also by the candidate.

16.3. Evaluation of Project Work

16.3.1 The project work shall carry a maximum of 100 marks.

(CIA - 40 and ESE – 60*)

*Combined valuation of Internal and External Examiners.

16.3.2 The project report prepared according to the approved guidelines and duly signed by the supervisor(s) shall be submitted to HoD.

16.3.3 The evaluation of the project will be based on the project report submitted and a *viva-voce* examination by a team consisting of the supervisor, who will be the Internal Examiner and an External Examiner who shall be appointed by the Controller of Examination. In case the supervisor is not available, the HoD shall act as an Internal Examiner for the same.

16.3.4 If a candidate fails to submit the project report on or before the specified date given by the Examination Section, the candidate is deemed to have failed in the Project Work and shall re-enroll for the same in a subsequent semester.

If a candidate fails in the respective *viva-voce* examinations he/she has to resubmit the Project Report within 30 days from the date of declaration of the results. The same Internal and External examiner shall evaluate the resubmitted report in the subsequent semester.

16.3.5 A Copy of the approved project report after the successful completion of *viva-voce* examination shall be kept in the KAHE library.

17. PASSING REQUIREMENTS

17.1 Passing minimum: A candidate needs to secure a minimum of 20 marks out of 40 marks in CIA and 30 marks out of 60 marks in ESE. The overall passing minimum in each course is 50 marks out of 100 marks (Sum of the marks in CIA and ESE examination).

17.2 If a candidate fails to secure a pass in a particular course (either CIA or ESE or Both) as per clause 15.1, it is mandatory that the candidate has to register and reappear for the examination in that course during the subsequent semester when examination is conducted for the same till, he / she receives pass both in CIA and ESE (vide Clause 2.1).

17.3 Candidate failed in CIA will be permitted to improve CIA marks in the subsequent semesters by writing tests and by re-submitting Assignments.

17.4 The CIA marks secured by the candidate in the first passed attempt shall be retained by the Office of the Controller of Examinations and considered valid for all subsequent attempts till the candidate secures a pass in ESE.

17.5 A Candidate who is absent in ESE in a Course / Practical / Project Work after having enrolled for the same shall be considered to have Absent (AAA) in that examination.

18. IMPROVEMENT OF MARKS IN THE COURSES ALREADY PASSED

The Candidates desirous to improve the marks secured in a course which they passed in their first attempt, shall reappear once (**only in ESE**) in the subsequent semester. **The improved marks shall be considered for classification but not for ranking.** If there is no improvement, there shall be no change in the marks awarded earlier.

19. AWARD OF LETTER GRADES

All the assessments of a course will be done on absolute marks basis. However, for the purpose of reporting the performance of a candidate, letter grades, each carrying certain number of points, will be awarded as per the range of total marks (out of 100) obtained by the candidate in each course as detailed below:

Letter grade	Marks Range	Grade Point	Description
O	91 - 100	10	OUTSTANDING
A+	81 - 90	9	EXCELLENT
A	71 - 80	8	VERY GOOD
B+	66 - 70	7	GOOD
B	61 - 65	6	ABOVE AVERAGE
C	55 - 60	5	AVERAGE
D	50 - 54	4	PASS
RA	<50	-	REAPPEARANCE
AAA	-	-	ABSENT

20. GRADE SHEET

After the declaration of the results, Grade Sheets will be issued to each student which will contain the following details:

- i. The list of courses enrolled during the semester and the grade scored.
- ii. The Grade Point Average (**GPA**) for the semester and

iii. The Cumulative Grade Point Average (**CGPA**) of all courses enrolled from first semester onwards.

iv. Remark on Extension Activities (only in the 6th Semester Grade Sheet) GPA of a Semester and CGPA of a programme will be calculated as follows.

$$\text{GPA of a Semester} = \frac{\sum_i C_i G P_i}{\sum_i C_i}$$

Sum of the product of the GP by the corresponding credits of the courses offered in that Semester

Sum of the credits of the courses of that Semester

i.e. **GPA** of a Semester = $\frac{\sum_i C_i G P_i}{\sum_i C_i}$

Sum of the product of the GPs by the corresponding credits of the courses offered for the entire

Sum of the credits of the courses

CGPA of the entire programme =-- of the entire programme

i.e. **CGPA** of the entire programme = $\frac{\sum_n \sum_i C_{ni} G P_{ni}}{\sum_n \sum_i C_{ni}}$

where,

- C_i is the credit fixed for the course 'i' in any semester
- G_{P_i} is the grade point obtained for the course 'i' in any semester
- 'n' refers to the Semester in which such courses are credited.

Note: RA grade will be excluded for calculating **GPA** and **CGPA**.

21. REVALUATION

A candidate can apply for revaluation or re-totalling of his / her semester examination answer script (**theory courses only**), within 2 weeks from the date of declaration of results, on payment of a prescribed fee. The prescribed application has to be sent to the Controller of Examinations through the HoD. **A candidate can apply for revaluation of answer scripts not exceeding 5 courses at a time.** The Controller of Examinations will arrange for the

reevaluation and the results will be intimated to the candidate through the HoD concerned. Reevaluation is not permitted for Supplementary Examinations.

22. TRANSPARENCY AND GRIEVANCE COMMITTEE

Reevaluation and Retotaling are allowed on representation (clause 21). Student may get the Xerox copy of the answer script on payment of prescribed fee, if he / she wishes. The student may represent the grievance, if any, to the Grievance Committee, which consists of Dean of the Faculty, (if Dean is HoD, the Dean of another Faculty nominated by the KAHE), the HoD of Department concerned, the faculty of the course and Dean from other discipline nominated by the KAHE and the CoE. If the Committee feels that the grievance is genuine, the script may be sent for external valuation and the marks awarded by the External examiner will be final. The student has to pay the prescribed fee for the same.

23. ELIGIBILITY FOR THE AWARD OF THE DEGREE

A student shall be declared to be eligible for the conferment of the Degree if he / she

- Successfully completed all the components prescribed under Part I to Part IV in the CBCS pattern to earn the minimum required credits as specified in the curriculum corresponding to his / her programme within the stipulated period (vide clause 2.1).
- No pending disciplinary enquiry/ action against him/her.
- The award of the degree must be approved by the Board of Management.

24. CLASSIFICATION OF THE DEGREE AWARDED

24.1 Candidates who qualify for the award of the Degree (vide clause 23) having passed the examination in all the courses in their first appearance, within the specified minimum number of semesters and securing a **CGPA not less than 8** shall be declared to have passed the examination in the **First Class with Distinction**.

24.2 Candidates who qualify for the award of the Degree (vide clause 23) having passed the examination in all the courses within the specified maximum number of semesters (vide clause 2.1), securing a **CGPA not less than 6.5** shall be declared to have passed the examination in the **First Class**.

24.3 Candidates (not covered in vide clauses 24.1 and 24.2) who qualify for the award of the degree (vide Clause 23) shall be declared to have passed the examination in the **Second Class**.

25. RANKING

Candidates who qualify for the UG Degree programme passing all the Examinations in the first attempt, within the minimum period prescribed for the programme of study from Semester I through Semester VI/VIII to the programme shall be eligible for ranking. Such ranking will be confined to 10% of the total number of candidates qualified in that particular programme of study subject to a maximum of 10 ranks.

26. SUPPLEMENTARY EXAMINATION

Supplementary Examination will be conducted only for the final semester students within ten days from the date of publication of results for students who have failed in one theory course only. Such students shall apply with prescribed fee to the Controller of Examinations within the stipulated time.

27. DISCIPLINE

27.1. If a student indulges in malpractice in any of the Internal / External Examinations he / she shall be liable for punitive action as prescribed by the KAHE from time to time.

27.2. Every student is required to observe discipline and decorous behavior both inside and outside the campus and not to indulge in any activity which will tend to bring down the prestige of the KAHE. The erring students will be referred to the disciplinary committee constituted by the KAHE, to enquire into acts of indiscipline and recommend the disciplinary action to be taken.

27. KAHE ENTRANCE EXAMINATION

At the end of Sixth Semester or Eighth Semester, the KAHE Entrance Examinations will be conducted who are aspiring for Higher Education (PG or Ph.D).

28. REVISION OF REGULATION AND CURRICULUM

Karpagam Academy of Higher Education may from time-to-time revise, amend or change the Regulations, Scheme of Examinations and Syllabi, if found necessary.

Annexure I

S.No.	Programme	Subject	Eligibility
1.	B. Sc.	Biotechnology	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern taking Biology or Botany or Zoology or chemistry as subjects at the Higher Secondary level.
2.	B. Sc.	Computer Science	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern. preferably taking Mathematics/Statistics/Computer/Information Science being one of the subjects (OR) 3 year diploma after 10 th or 10+2 pattern of education taking computer science/maths as one of the subject.
3.	B. Sc.	Microbiology	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern taking Biology or Botany Zoology or chemistry as subjects at the Higher Secondary level.
4.	B. Sc.	Information Technology	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern preferably taking Mathematics/Statistics/Computer/Information Science being one of the subjects (OR) 3 year diploma after 10 th or 10+2 pattern of education taking computer science/maths as one of the subject.
5.	B. Sc.	Computer Technology	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern preferably taking Mathematics/Statistics/Computer/Information Science being one of the subjects (OR) 3 year diploma after 10 th or 10+2 pattern of education taking computer science/maths as one of the subject.
6.	B.Sc.	Computer Science(Cognitive Systems)	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern preferably taking Mathematics/Statistics/Computer/Information Science being one of the subjects (OR) 3 year diploma after 10 th or 10+2 pattern of education taking computer science/maths as one of the subject.

7.	B.Sc.	Computer Science (Artificial Intelligence and Data Science)	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern preferably taking Mathematics/Statistics/Computer/Information Science being one of the subjects (OR) 3 year diploma after 10 th or 10+2 pattern of education taking computer science/maths as one of the subject.
8.	BCA	Computer Application	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern preferably taking Mathematics/Statistics/Computer/Information Science being one of the subjects (OR) 3 year diploma after 10 th or 10+2 pattern of education taking computer science/maths as one of the subject.
9.	B. Com.	Commerce	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level
10.	B.Com (CA)	Commerce with Computer Applications	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level
11.	B. Com. (PA)	Commerce with Professional Accounting	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level
12.	B. Com. (BPS)	Commerce with Business Process Services	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level
13.	B.B.A.	Business Administration	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level
14.	B. Com	Financial Analytics	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level

15.	B. Com	International Accounting and Finance	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level
16.	B.Com	Information Technology	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level
17.	B. Sc.	Computer Science (Cyber Security)	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern preferably taking Mathematics/Statistics/Computer/Information Science being one of the subjects (OR) 3 year diploma after 10 th or 10+2 pattern of education taking computer science/maths as one of the subject.
18.	B. Com	FinTech.	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level

Karpagam Innovation and Incubation Council (KIIC)

(A Section 8 Company)

Based on the 2019 National Innovation and Startup Policy and the 2019–2023 Tamil Nadu Startup Policy, KIIC has recommended to the KAHE students who are affiliated with the KIIC that it be incorporated in the university Program Regulations 2023-24 and implement from this academic year.

Norms to Student Start-Ups

- a) Any (UG/PG / (Ph.D.) Research scholars, student, right from the first year of their program is allowed to set a startup (or) work part time/ full time in a startup or work as intern in a startup
- b) Any (UG/PG / (Ph.D.) Research scholars) student right from the first year of their program is allowed to earn credit for working on Innovative prototypes/business Models/ Pre incubation (case to case basis).
- c) Start Up activities will be evaluated based on the guidelines being given by the expert committee of the KIIC
- d) Student Entrepreneurs may use the address of incubation center (KIIC) to register their venture while studying in KAHE.
- e) Students engaged in startups affiliated with the KIIC or those who work for them may be exempted from KAHE's attendance requirements for academic courses under current regulations, up to a maximum of 30% attendance per semester, including claims for ODs and medical emergencies Potential Students who have been incubated at KIIC may be permitted to take their University semester exams even if their attendance is below the minimum acceptable percentage, with the proper authorization from the head of the institution. (On case-to-case basis depends upon the applicability strength, societal benefits and quality of the Innovation and Subsequent engagement of the students with the/ her business)
- f) Any Students Innovators/entrepreneurs are allowed to opt their startup in place mini project /major project, /seminar and summer training etc. (In plant training, Internship, value added Course.). The area in which the student wishes to launch a Startup may be interdisciplinary or multidisciplinary.
- g) Student's startups are to be evaluated by Expert committee, formed by KIIC and KAHE

Guide lines to award Credits/ Marks to a Student startup

Student's startup stages are divided into five phases and these startup phases can be considered equally in place of the course title as mentioned below with the same credits allotted to the course title in a University curriculum.

Sl. No.	Description/Startup phases	In place of the Subject / Course title	Grades/Credits /Marks
1	Idea stage/Problem Identification	Seminar	Same Marks/Credits can be awarded that are listed in the course title's curriculum for the respective startup phases.
2	Proof of Concept (POC) /Solution development	In-plant training /Internship	
3	Product Development (Lab scale) /Prototype Model/ Company Registered	Mini Project/ Value added Course	
4	Validation/Testing	Main Project phase I	
5	Business Model/Ready for Commercialization/Implementation	Main Project phase II,	

DEPARTMENT OF COMMERCE
FACULTY OF ARTS, SCIENCE, COMMERCE AND MANAGEMENT
UG PROGRAM (CBCS) – B.Com (Information Technology)
(2024 – 2025 Batch Onwards)

Course Code	Name of the course	Category	Outcomes		Instruction hours/week			Credits	Maximum Marks			Page No
									CIA	ESE	Total	
			PO	PSO	L	T	P		40	60	100	

SEMESTER I

24LAUT101/ 24LUH101/ 24LUM101/ 24LUS101/ 24LUF101	Language I – (Tamil I / Hindi I/ Malayalam I/ Sanskrit I/ French I)	AEC1	1,2,3	-	4	-	-	3	40	60	100	1
24ENU101	English I	MDC1	2,3, 7,12	-	3	-	-	3	40	60	100	15
24CIU101	Financial Accounting	MA1	1,2 3,7	1,2	7	1	-	5	40	60	100	18
24CIUA101	Business Mathematics and Statistics	MI1	3,4,5	-	7	-	-	4	40	60	100	21
24CIU111	Computer Application in Business - Practical	SEC1	1,3, 4,5, 6,7,9,10,11, 14,15	2	-	-	6	3	40	60	100	24
24VAC101	Yoga for Youth Empowerment	VAC1	2,3, 4,5, 7,8, ,11,13,14,15	2	2	-	-	2	40	60	100	26
SEMESTER TOTAL					23	1	6	20	240	360	600	

SEMESTER II

24LAUT201/ 24LUH201/ 24LUM201/ 24LUS201/ 24LUF201	Language II (Tamil II / Hindi II/ Malayalam II/ Sanskrit II/ / French II)	AEC2	1,2,3	-	4	-	-	3	40	60	100	29
24ENU201	English II	MDC2	2,3,9	-	3	-	-	3	40	60	100	40
24CIU201	Advanced Financial Accounting	MA2	1,3,4,5, 6,7,8,9, 13	2	6	1	-	5	40	60	100	42
24CIUA201	Web Designing	MI2	1,3,5,9, 10,11,12	1,2	4	-	-	2	40	60	100	44
24CIUA211	Web Designing - Practical	MI3	1,3,5, 9,15	1,2			4	2	40	60	100	47
24CIU211	Computerized Accounting System - Practical	SEC2	1,2,3, 4,5,6,9, 10,11,15	1,2	-	-	6	3	40	60	100	50

24VAC201	Environmental Studies	VAC2	1,8,9,11, 12,13,15	1,2	2	-	-	2	40	60	100	52
SEMESTER TOTAL					19	1	10	20	280	420	600	

SEMESTER III												
24LAUT301/ 24LUH301/ 24LUM301/ 24LUS301/ 24LUF301	Language III (Tamil III / Hindi III/ Malayalam III/ Sanskrit III/ / French III)	AEC3	1,2,3	-	4	-	-	3	40	60	100	54
24ENU301	English-III	MDC3	1,2,3,4	-	3	-	-	3	40	60	100	64
24CIU301	Corporate Accounting	MA3	1,3,4,5, 6,7,8,9, 10,14,15	1,2	5	1	-	5	40	60	100	66
24CIU302	MY SQL	MA4	1,5,11,15	1,2	5	-	-	3	40	60	100	68
24CIUA301	Financial Reporting I	MI4	1,2,3, 4,5,6	1,2	4	1	-	4	40	60	100	70
24CIU303	Community Engagement And Social Responsibility	MA5	6,11,12, 13	2	2	-	-	2	40	60	100	72
24VAC301	Indian Knowledge System	VAC3	6,11,12, 13	2	1	-	-	1	40	60	100	74
24CIU311	MY SQL Practical	MA6	1,3,4,15	1,2	-	-	4	2	40	60	100	76
24CIU391	Internship I	SI 1	1,3,4, 5,7,11, 12,13,15	1,2	-	-	-	2	100	-	100	81
SEMESTER TOTAL					24	2	4	25	420	480	900	

SEMESTER IV												
24LAUT401/ 24LUH401/ 24LUM401/ 24LUS401/ 24LUF401	Language IV (Tamil III / Hindi III/ Malayalam III/ Sanskrit III/ / French III)	AEC4	1,2,3	-	4	-	-	3	40	60	100	82
24ENU401	English - IV	SEC4	1,2,4	-	3	-	-	3	40	60	100	94
24CIU401	Income Tax Law and Practice	MA7	1,3,4, 5,10,11, 13,15	1,2	6	1	-	5	40	60	100	96
24CIU402	Java	MA8	1,3,9, 10,15	1,2	4	-	-	4	40	60	100	99
24CIUA401	Financial Reporting II	MI5	1,3,4, 5,10	1,2	5	-	-	4	40	60	100	101
24CIU411	Java - Practical	MA9	1,2,5, 6,8	2	-	-	6	3	40	60	100	104
24VAC401	Cyber Security and Universal Human Values	VAC4	3,4,5, 7,12,15	1,2	1	-	-	1	40	60	100	106
SEMESTER TOTAL					23	1	6	23	280	420	700	

SEMESTER V												
24CIU501	Cost Accounting	MA10	1,3,4, 5,10,11, 13,15	1,2	7	1	-	5	40	60	100	109
24CIU502A	Financial Management	MA11	1,2,3, 4,5,6, 14,15	1,2	6	-	-	5	40	60	100	111
24CIU502B	Financial Markets and Institutions	MA11	1,5,6, 9,13,15	1,2	6	-	-	5	40	60	100	114
24CIUA501	Introduction to Capital Market	MI6	1,3,4, 5,6,8, 10,15	1,2	5	-	-	4	40	60	100	117
24CIU503	R Programming	MA12	1,3,5, 9,10,15	1,2	5	-	-	3	40	60	100	120
24CIU511	R Programming - Practical	MA13	1,3,4, 8,15	1,2	-	-	6	3	40	60	100	122
24CIU591	Internship - II	SI 2	1,2,3, 4,5,7, 11,12, 13,15	1,2	-	-	-	2	100	-	100	124
SEMESTER TOTAL					23	1	6	22	340	360	700	
SEMESTER VI												
24CIU601	Management Accounting	MA14	1,3,4, 5,6,7, 9,10,15	1,2	5	1	-	5	40	60	100	125
24CIU602A	Entrepreneurship	MA15	1-11, 13,14,15	1,2	5	-	-	4	40	60	100	127
24CIU602B	Artificial Intelligence	MA15	1,3,4, 6,9,10, 15	1,2	5	-	-	4	40	60	100	130
24CIUA601	Investment Banking Operations	MI7	1-7,9, 10,11,14	1,2	5	-	-	4	40	60	100	132
24CIU611	Artificial Intelligence - Practical	MA16	1,3,4, 8,15	1,2	-	-	6	3	40	60	100	134
24CIU691	Project	MA17	1-6, 8- 11,14,15	1,2	-	-	8	6	40	60	100	136
SEMESTER TOTAL					15	1	14	22	240	360	600	
3rd Year Total					127	7	46	132	1800	2400	4200	
SEMESTER VII												
24CIU701	International Finance	MA18	1,3,4, 5,9,12	1,2	6	-	-	5	40	60	100	138
24CIU702	Research Methodology	MA19	1,2,3, 4,6,11, 15	1,2	6	-	-	4	40	60	100	140
24CIU703	International Trade and Practice	MA20	1,2,3, 4,6,10, 12,15	1,2	6	-	-	4	40	60	100	142

24CIUA701	Organizational Behaviour	MI8	1,2,3,5,6,7,11,13,14,15	1,2	6	-	-	4	40	60	100	144
24CIU711	SPSS – Practical	MA21	1,2,3,4,5,6,9,10	1,2	-	-	6	3	40	60	100	146
SEMESTER TOTAL					24	-	6	20	200	300	500	

SEMESTER VIII A												
24CIU801	Security Analysis and Portfolio Management	MA22	1,3,4,5,6,8,9,15	1,2	6	-	-	4	40	60	100	148
24CIUA801	Applied E-Commerce	MI9	1,3,4,5,6,8,10,15	1,2	6	-	-	4	40	60	100	150
24CIU802	Corporate Governance, Ethics and Social Responsibility	MA23	3,7,12,13,14	1,2	6	-	-	4	40	60	100	152
24CIU803	Financial Derivatives	MA24	1,3,4,11,15	1,2	6	-	-	4	40	60	100	154
24CIU804	Insurance Risk Management	MA25	1,3,4,5,7,13,14,15	1,2	6	-	-	4	40	60	100	156
SEMESTER TOTAL					30	0	00	20	200	300	500	
4th Year Total					181	7	52	172	2200	3000	5200	

SEMESTER VIII B												
24CIU801	Security Analysis and Portfolio Management	MA22	1,3,4,5,6,8,9,15	1,2	6	-	-	4	40	60	100	148
24CIUA801	Applied E-Commerce	MI8	1,3,4,5,6,8,10,15	1,2	6	-	-	4	40	60	100	150
24CIU891	Research Project	RP	1,3,4,5,7,13,14,15	1,2	-	-	18	12	120	180	300	159
SEMESTER TOTAL					12	-	18	20	200	300	500	
4th Year Total					163	7	70	172	2200	3000	5200	

SEC:Skill Enhancement Courses;AEC:Ability Enhancement Courses;MDC-Multidisciplinary Courses; VAC-Value added courses ; MA- Major courses; MI – Minor Courses; RP-Project

Credits Split – up for 3 year B.Com. IT Programme

S.No.	Course Criteria	Number of Courses	Total No. of Credits
1	Ability Enhancement Courses	4	12
2	Major Courses	17	68
3	Minor Courses	7	24
4	Multidisciplinary Courses	3	09
5	Skill Enhancement Courses	3	09
6	Internship	2	04
7	Value Added Courses	4	06
Total		40	132

Credits Split-up for 4year B.Com.IT Programme–“A”

S.No.	Course Criteria	Number of Courses	Total No. of Credits
1	Ability Enhancement Courses	4	12
2	Major Courses	25	100
3	Minor Courses	9	32
4	Multidisciplinary Courses	3	9
5	Skill Enhancement Courses	3	9
6	Internship	2	4
7	Value Added Courses	4	6
Total		50	172

Credits Split-up for 4year B.Com.IT Programme–“B”

S.No.	Course Criteria	Number of Courses	Total No. of Credits
1	Ability Enhancement Courses	4	12
2	Major Courses	22	88
3	Minor Courses	9	32
4	Multidisciplinary Courses	3	9
5	Skill Enhancement Courses	3	9
6	Internship	2	4
7	Value Added Courses	4	6
8	Project	1	12
Total		48	172

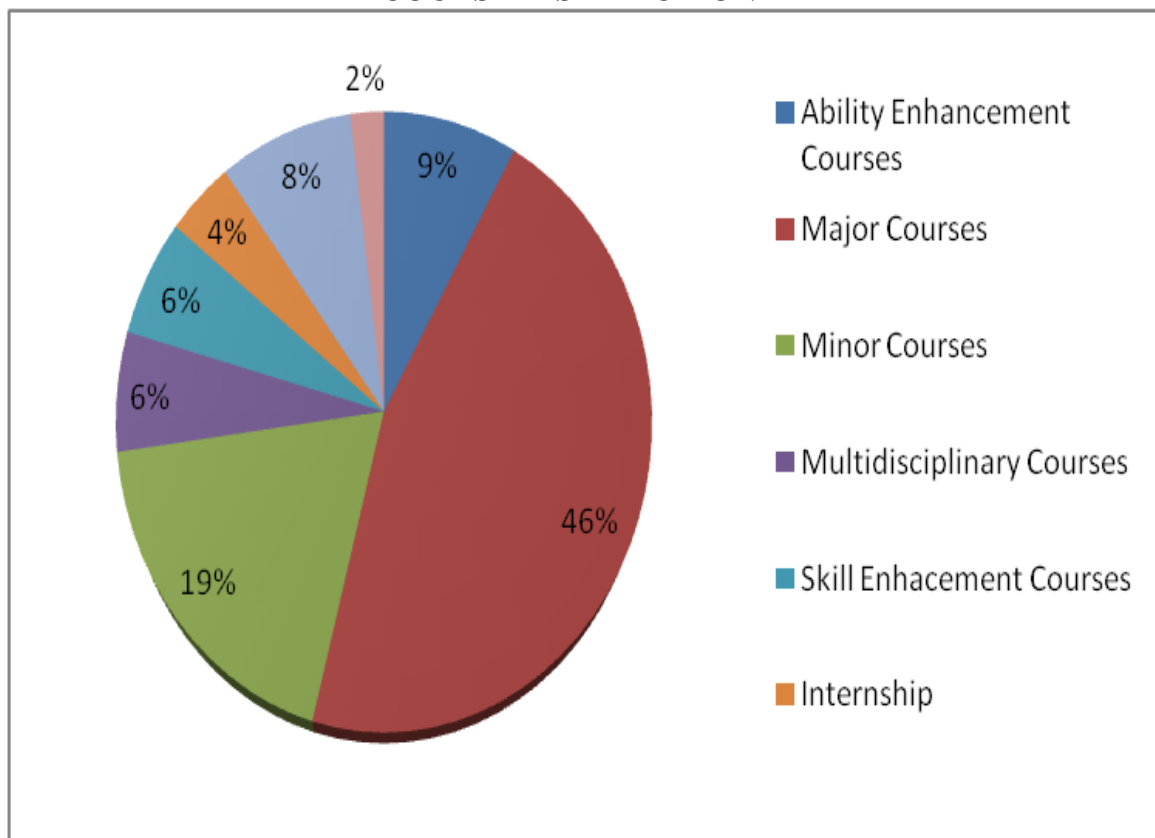
Credits splitup: B.Com.IT

SEMESTER	AEC	Major course	Minor course	MD C	SEC	VAC	Internship	Project	Total credits
1.	3	5	4	3	3	2	-	-	20
2.	3	5	4	3	3	2	-	-	20
3.	3	12	4	3	-	1	2	-	25
4.	3	12	4	-	3	1	-	-	23
5.	-	16	4	-	-	-	2	-	22
6.	-	18	4	-	-	-	-	-	22
3rd year Total	12	68	24	9	9	6	4	-	132
7.	-	16	4	-	-	-	-	-	20
8. A	-	16	4	-	-	-	-	-	20
4th year total	16	94	40	9	9	8	4	0	172
8B	-	4	4	-	-	-	-	12	20
4th year total	16	88	32	9	9	6	4	12	172

Courses splitup: B.Com.IT

SEMESTER	AEC	Major course	Minor course	MDC	SEC	VAC	Intern	Project	Total courses	T	P	Int/skill/Pro
1.	1	1	1	1	1	1	-	-	6	5	1	-
2.	1	1	2	1	1	1	-	-	7	5	2	-
3.	1	4	1	1	-	1	1	-	9	7	1	1
4.	1	3	1	-	1	1	-	-	7	6	1	-
5.	-	4	1	-	-	-	1	-	6	4	1	1
6.	-	4	1	-	-	-	-	-	5	4	-	1
3rd year Total	4	17	7	3	3	4	2	-	40	31	6	3
7.	-	4	1	-	-	-	-	-	5	4	1	-
8. A	-	4	1	-	-	-	-	-	5	5	-	-
4th year total	4	25	9	3	3	4	2	0	50	40	7	3
8B	-	1	1	-	-	-	-	1	3	2	-	1
4th year total	4	22	9	3	3	4	2	1	48	37	7	4

COURSE DISTRIBUTION



ABILITY ENHANCEMENT COURSES		
SEMESTER	Course Code	Name of the Course
I	24LAUT101/ 24LUH101/ 24LUM101/ 24LUS101/ 24LUF101	Language I – (Tamil – I / Hindi I/Malayalam I/ Sanskrit I/ French I)
II	24LAUT201/ 24LUH201/ 24LUM201/ 24LUS201/ 24LUF201	Language I (Tamil – II / Hindi II/Malayalam II/ Sanskrit II/ French II)
III	24LAUT301/ 24LUH301/ 24LUM301/ 24LUS301/ 24LUF301	Language I (Tamil III / Hindi III/Malayalam III/ Sanskrit III/ / French III)
IV	24LAUT301/ 24LUH301/ 24LUM301/ 24LUS301/ 24LUF301	Language I (Tamil III / Hindi III/Malayalam III/ Sanskrit III/ / French III)

MAJORCOURSES		
SEMESTER	Course Code	Name of the Course
I	24CIU101	Financial Accounting
II	24CIU201	Advanced Financial Accounting
III	24CIU301	Corporate Accounting
III	24CIU302	MY SQL
III	24CIU304	Community Engagement and social responsibility
III	24CIU311	MY SQL (Practical)
IV	24CIU401	Income Tax Law and Practice
IV	24CIU402	Java
IV	24CIU411	Java (Practical)
IV	24CIU501	Cost Accounting
V	24CIU502A	Financial Management
V	24CIU502B	Financial Markets and Institutions
V	24CIU504	R Programming
V	24CIU511	R Programming (Practical)
VI	24CIU601	Management Accounting
VI	24CIU602A	Entrepreneurship
VI	24CIU602B	Artificial Intelligence
VI	24CIU611	Artificial Intelligence (Practical)
VI	24CIU691	Project
VII	24CIU701	International Finance
VII	24CIU702	Research Methodology
VII	24CIU703	International Trade and Practice
VII	24CIU711	SPSS(Practical)
VIII	24CIU801	Security Analysis and Portfolio Management
VIII	24CIU802	Corporate Governance, Ethics and Social Responsibility
VIII	24CIU803	Financial Derivatives
VIII	24CIU804	Insurance Risk Management

MINORCOURSES		
SEMESTER	Course Code	Name of the Course
I	24CIUA102	Business Mathematics and Statistics
II	24CIUA202	Web Designing
II	24CIUA211	Web Designing (Practical)
III	24CIUA303	Financial Reporting I
IV	24CIUA403	Financial Reporting II
IV	24CIUA503	Introduction to Capital
V	24CIUA603	Investment Banking Operations
V	24CIUA704	Organizational Behaviour
VI	24CIUA802	Applied E-Commerce

SKILLENHANCEMENTCOURSES		
SEMESTER	Course Code	Name of the Course
I	24CIU111	Computer Application in Business
II	24CIU211	Computerized Accounting System
III	24CIU391	Internship
IV	23ENU401	English-IV
V	24CIU591	Internship

DISCIPLINESPECIFICELECTIVES		
SEMESTER	Course Code	Name of the Course
V	24CIU502A	Income Tax Law and Practice-II
V	24CIU502B	Financial Markets & Institutions
VI	24CIU602A	Insurance
VI	24CIU602B	Entrepreneurship

VALUEADDEDCOURSES		
SEMESTER	Course Code	Name of the Course
I	23VAC101	Yoga for Youth Empowerment
II	23VAC201	Environmental Studies
II	23VAC202	Indian Knowledge System
III	23VAC301	Cyber Security and Universal Human Values

MULTIDISCIPLINARYCOURSES		
SEMESTER	Course Code	Name of the Course
I	23ENU101	English-I
II	23ENU201	English–II
III	23ENU301	English–III

PROGRAMOUTCOMES (PO)

1. Graduates will demonstrate solid foundation in stock trading, bookkeeping, accounting and professional fundamentals required to record the business transaction ability.
2. Graduates will apply IT and technical skills in stock market and accounting, taxation, and business management for effective decision-making.
3. Graduates will obtain the ability to analyze and solve complex business and stock market problems using quantitative and qualitative tools and technologies.
4. Graduates will exhibit critical thinking skills in understanding real-time business and stock market issues and advocate solutions.

5. Graduates will acquire and demonstrate interpersonal and communication skills to convey and negotiate ideas for achieving common goals.
6. Graduates will attain and exhibit skills to work as a team to make effective decisions in achieving common goals.
7. Graduates will demonstrate leadership skills to initiate, lead, and deliver the best performance together with team members.
8. Graduates of commerce will become capable of exhibiting comprehensive knowledge and understanding of different disciplines.
9. Graduates will acquire knowledge and skills relevant to real life, meeting economic, social, and cultural needs, and adapting to changing trends and demands of the workplace.
10. Students will gain the capability to solve different kinds of unfamiliar problems and understand real-life situations.
11. Graduates will develop the ability to independently research and analyze business problems and solutions, enhancing personal and professional growth.
12. Graduates will cultivate an understanding and appreciation of diverse cultural perspectives and practices, and apply this knowledge to global business environments.
13. Graduates will demonstrate the ability to make ethical decisions and understand the moral implications of business practices in various scenarios.
14. Graduates will exhibit leadership skills such as effective communication, team management, and strategic thinking necessary for leading business projects and teams.
15. Graduates will commit to continuous learning and professional development to stay updated with evolving business trends and practices throughout one's career.

PROGRAM SPECIFIC OUTCOMES (PSO)

16. Graduates will gain lifelong learning practice by identifying, formulating, and analysing complex business and stock market problems to reach substantiated conclusions through research considering the changing environmental factors.
17. Graduate will demonstrate legal, ethical code and socially sustainable code of

conduct in both personal and professional decision-making process pertaining to their career.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

1. Graduates will acquire knowledge in stock market, accounting, taxation, finance and management concepts and apply it in business to become qualified professionals.
2. Graduates will possess the professional skills and competence to perform effectively in higher-level roles, studies, jobs and entrepreneurial ventures.
3. Graduates will develop a life long learning by applying the gained knowledge and skills in research and practice.
4. Graduates will demonstrate high standard of ethical conduct and become socially responsible citizens contributing to the sustainable growth of the career and the community.

MAPPING of PEOs and POs

PEOs	Programme Outcomes														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
PEO1	X	X	X	X	X										
PEO2		X	X	X		X		X		X	X	X	X	X	X
PEO3			X		X	X	X		X		X	X		X	X
PEO4	X				X		X			x		X			X

பாடத்திட்டப் பொதுநோக்கம்

- கற்றல் மற்றும் கருத்து வெளிப்பாட்டு திறனை மேம்படுத்துதல்.
- இலக்கியத்தின் நுட்பங்களை உணர்த்தி, மனப்பக்குவத்தை வளர்த்தல்.
- சமூக உணர்வு மற்றும் பண்பாடு குறித்து அறிவூட்டல், அரசுத் தேர்வுகளுக்கு மாணவர்களை தயாராக்குதல்..

பாடத்திட்டப் பயன்விளைவு

- இந்தியக் குடியரிமைப்பணி முதலான போட்டித் தேர்வுகளில், விருப்பப்பாடமாக இடம்பெறுகின்ற, 'தமிழ் இலக்கிய வரலாறு' குறித்த முழுமையான அறிமுகம் பெற்றிருத்தல்.
- கல்வெட்டியல், ஓலைச் சுவடியியல் மற்றும் தொல்லியல் சார்ந்த ஆவணத் தேடலுக்குரிய ஆய்வு மனப்பான்மையுடன், இலக்கியங்களை அணுகுதல்.
- தமிழின் வளர்ச்சித் துறையாகிய, 'அறிவியல் தமிழ்'; 'இணைய தமிழ்' குறித்த பன் நோக்கு அணுகுமுறையிலான ஆய்வுச் சிந்தனை மேம்பாடு.
- வேலை வாய்ப்புக்குரிய சுயதிறன் மேம்பாட்டுடன், படைப்பாக்கத்திறன் மேம்பாடும் பெற்றிருத்தல்.
- சமுதாய மற்றும் வாழ்வியல் மதிப்புகளைப் பேணுவதற்குக் கருவியாக இலக்கியங்களை நாடுகின்ற மனப்பான்மை வளர்ச்சி. மொழிபெயப்புத்துறை சார்ந்த வேலைவாய்ப்புத்திறன் பெற்றிருத்தல்

அலகு - I**(8 மணிநேரம்)**

முச்சங்க வரலாறு – சங்க இலக்கியத் தொகுப்பு – பாட்டும் தொகையும் – சங்க இலக்கியச் சிறப்பியல்புகள்

சங்க இலக்கியம் - நற்றிணை - கொண்டல் மாமழை – குறிஞ்சி -140

சங்க இலக்கியம் - குறுந்தொகை - அணிற்பல் லன்ன – நெய்தல் - 49

அற இலக்கியம் - திருக்குறள் - வினைத்திட்டம் (பொருட்பால் 661-670), பண்புடைமை (பொருட்பால் 991-1000)

சிறுநூல்களும் - முக்கூடற்பள்ளு - நெல்வகைகள், மீன்வகைகள், மாடுவகைகள்

காப்பியம் - சிலப்பதிகாரம் - புகார் காண்டம் : மங்கலவாழ்த்துப்

பாடல்: பொதியில் ஆயினும் – 'கோவலன் என்பான்மன்னோ'(1438),

'நீலவிதானத்து' – 'நோன்புஎன்னை'(48-53).

மனையறம்படுத்த காதை - 'வார்ஓலிகூந்தலை' –

'சிறப்பின்கண்ணகிதனக்குளன்'(84-90) **அரங்கேற்று காதை** -

'மாமலர்நெடுங்கண்' - 'அகம்மறந்து' (170-175).

மதுரைக் காண்டம் -கொலைக்களக்காதை : 'இருமுதுகுரவர்' -

‘எழுந்தனன்யான்’ (67- 83), ‘வினைவிளை காலம்’ - ‘
கொணர்க ஈங்குஎன்’ (148-153)

கட்டுரைகாதை - ‘கடிபொழில்’ - ‘இல் சாபம்பட்டனிர்’ (138-170)

வழக்குரைக்காதை - ‘அல்லவை செய்தார்க்கு’ - ‘தோற்றான் உயிர்’ (82-93)

வஞ்சிக்காண்டம் - நடுகல்காதை - ‘மதுரை மூதூர்’ - ‘மன்னவர்ஏறு’ (218-234)

வாழ்த்துக்காதை - ‘என்னே இஃது’ - ‘தோன்றுமால்’ (9)

இலக்கணம் - எழுத்து - முதல் மற்றும் சார்பெழுத்துகள்

அலகு - II

(12 மணிநேரம்)

பத்துப்பாட்டு அறிமுகம்

சங்க இலக்கியம் - பதிற்றுப்பத்து : சிதைந்தது மன்ற நீசிவந்தனை
நோக்கலின் (மூன்றாம்பத்து - 27. வென்றிச்
சிறப்பு)

சங்க இலக்கியம் - கலித்தொகை : சுடர்தொடிகு கேளாய் (கபிலர் - 51)

அற இலக்கியம் - ஆசாரக்கோவை - நன்றிமறவாமை, செய்யத்தகாதன,
ஐம்பெரும்குறவர் வழிபாடு

சிறுநிலக்கியம் - தமிழலங்காரம் - வண்ணச்சரபம் தண்டபாணி
சுவாமிகள் - 10 பாடல்கள்

1. கடல்நீரில் கல்மிதக்கும், 2. வண்டமிழ் ஆற்றுதி, 3. கோளத்தை முட்டி 4. எக்காலம் என்று,

5. கடலூர்மயானத்தொர், 6. தேவாதிதேவன், 7. விண்மாரி, 8. தேவர்முனிவர், 9. அழுதேங்கிநஞ்சிட்ட, 10. அத்தனையொத்து.

காப்பியம் - மணிமேகலை : விழாவறைகாதை : ‘தேவரும்மக்களும்’ - ‘மருங்குஎன்’ (66-72)

ஊரலர் உரைத்த காதை : ‘நாவல்ஓங்கிய’ - ‘உண்டுகொல்’(1-17),
‘கற்றுத்துறை போகிய’ - ‘தீத்தொழில்படாஅள்’ (32-57).

பாத்திரம் பெற்ற காதை - ‘போதிநீழல்’ - ‘நல்அறம்கண்டனை’ (73-98)

சிறைக்கோட்டம் அறக்கோட்டம் ஆக்கியகாதை - ‘வாழிஎம்கோ’ - ‘அரசுஆள் வேந்துஎன்’ (129-163)

சொல் இலக்கணம் - பெயர், வினை, இடை, உரிச்சொல் - விளக்கமும் பயிற்சியும்

அலகு - III

(10 மணிநேரம்)

சங்க இலக்கியம் - பரிபாடல் : புறத்திரட்டு - மதுரை நகர்ச்சிறப்பு - உலகம் ஒரு நிறையாத்தான்-7, மாயோன் கொப்பூழ்-8, செய்யாட்கு இழைத்த-9, கார்த்திகை காதில்-10, ஈவாரைக் கொண்டாடி-11

சங்க இலக்கியம் - அகநானூறு : அன்னை அறியினும் அறிக - தோழி - நெய்தல் - 110

அற இலக்கியங்கள் அறிமுகம்

அற இலக்கியம் - பழமொழி நானூறு : தேர்ந்தெடுக்கப்பட்ட 5 பாடல்கள் உணற்குஇனிய 5, பரந்ததிறலாரை 32, நெடியது காண்கிலாய் 46, இனியாரும் 153, உரைசான்ற 195.

சிறுநிலக்கியம் - நந்திக்கலம்பகம் - தேர்ந்தெடுக்கப்பட்ட 5 பாடல்கள் என்னையே புகழ்ந்தேன், பதிதொறு புயல்பொழி, இந்தப் புவியில், அடிவிளக்கும் துகில், வானுறுமதியை

சிறு காப்பியம் - சூளாமணி - அரசியல் சருக்கம்- 1. நாவினியே கமழும்(1131), 2. கண்மிசை கனிந்த (1132), 3. விரைசெல லிவுளித்(1133), 4. அரைசர்கள் வருக(1134), 5. அருளுமாறடிகள் (1135), 6. விஞ்சைய குலக (1136), 7. சொரிகதிர் (1137), 8.கரியவன் வளைந்த(1138), 9.மடித்தவா யெயிறு (1139),10. விஞ்சயரதனைக் (1140),

துறவுச்சருக்கம் - பயாபதி மன்னனின் துறவுநெறி -1.மன்னிய புகழி (1840), 2. திருமகிழலங்கன் (1841), 3. ஆங்கவ ரணைந்த (1842), 4. அலகுடன் விளங்கு(1843),5. தன்னையோர் அரசனாக்கி (1844), 6.சென்றநாள்(1845), 7. எரிபுரை(1846.),8.பிறந்தனர்(1847), 9. பிறந்தநாம் (1848), 10. தொகைமலர் (1849) 11. ஒழுகிய(1850).

பொருள் இலக்கணம் : அகத்திணை மற்றும் புறத்திணை இலக்கணங்கள்.

அலகு - IV

(10 மணிநேரம்)

சங்க இலக்கியம் - ஐங்குறுநூறு : மருதம் - தோழிகூற்று - வேட்கைப்பத்து: வாழிஆதன் வாழிஅவினி - 6

சங்க இலக்கியம் - புறநானூறு : திணை பொதுவியல்- ஞாயிற்று அன்ன ஆய்மணி (362)

சிறுநிலக்கியங்கள் - தோற்றமும் வளர்ச்சியும்

சிறுநிலக்கியம் - நீதிநெறிவிளக்கம் : 1. உறுதி - உறுதிபயப்ப(254), 2.முயற்சி -முயலாதுவைத்து (255), 3. உலையா முயற்சி (256), 4. காலம் - காலம்அறிந்தாங்கு (257),

5. மெய்வருத்தம் - மெய்வருத்தம் பாரார் (258)

சிறுநிலக்கியம் - கலிங்கத்துப்பரணி : தேவாசுரம், உடலின்மேல், நெடுங்குதிரை மிசைக்கலணை, விருந்தினரும் வறியவரும், தரைமகள்தன் கொழுநன்றன், பொருதடக்கை வாளெங்கே, வெயில்தாரை.

காப்பியங்கள் - கம்பராமாயணம் : சுந்தரகாண்டம் - திருவடி தொழுத படலம்(தேர்ந்தெடுத்த பாடல்கள் மட்டும்)

நீங்குவென் (6007) - மைந்நாகம் (6008) -போய்வரும்(6009) -- அழுதனர்(6010) --- தேனொடு (6011) - தாள்களில் (6012) -- வாலி(6013)--என்றலும்(6014) -- ஆண்தகை(6015)--பொருதமை(6016) -- யாவதும்(6017) -- ஏதனாள்(6018) -- முத்தலை(6019) --கார்வரை(6020)--தண்டல்(6021) - ஆரியன்(6022) - குறித்தநாள்(6023) ---மாண்டனள்(6024) - கண்டனர்(6025) -- கூறின நாள்(6026) -- என்புழி(6027) --- எய்தினன்(6028) - திண்திறள்(6029) -- ஆங்கு(6030)-- கண்டனென்(6031) - உன்பெருந்தேவி(6032) - பொன் -(6033) - உன்குலம்(6034)-- விற்பெருந்(6035) --கண்ணினும்(6036) -- வேலையுள்(6037) --

மண்ணொடும்(6038)-- தீண்டிலன்(6039) -- சோகத்தாள்(6040) -- இலங்கையை(6041) -- அரக்கியர்(6042)-- தையலை(6043) --ஆயிடை(6044) -- அன்னதோர்(6045) -- வஞ்சனை(6046) -- அறிவுறத்(6047) -- ஒருகணத்து(6048) -- வாங்கிய(6049) -- அன்னவருக்கு(6050) -- இங்கு உள(6051) -- வைத்தபின்(6052) -- பையபையப்(6053) --பொடித்தனர்(6054) --ஆண்டையின்(6055) -- எழுக(6056) -- வீரரும்(6057) -- அந்நெறி(6058)

கடிதப்பயிற்சி

1. வேலைவேண்டி விண்ணப்பம் எழுதுதல்
2. பல்கலைக்கழகப் பன்னாட்டுக் கருத்தரங்கச் செய்தியை நாளிதழில் வெளியிடவேண்டி
நாளிதழின் பதிப்பாசிரியருக்குக் கடிதம்
3. கருத்தரங்கப் பங்கேற்புக்கான அனுமதிக்கடிதம்
4. பல்கலைக்கழக விழாவுக்குத் தலைமையேற்க வேண்டி, மாவட்ட ஆட்சியருக்கு விண்ணப்பம்

அலகு- V :

(8 மணிநேரம்)

காப்பியங்கள் : தோற்றமும் வளர்ச்சியும்

சங்க இலக்கியம் - பத்துப்பாட்டு: பெரும்பாணாற்றுப்படை (தேர்ந்தெடுக்கப்பட்ட பாடல்கள் மட்டும்) கோவலர் குடியிருப்பு147-168, வலைஞர் குடியிருப்பு 263-277, அந்தணர் குடியிருப்பு 297-310

சிறிலக்கியம் - வேதநாயகம்பிள்ளை நீதிநூல் - (அதிகாரம் - 7 தாய்தந்தையரைப் போற்றுதல் - தேர்ந்தெடுக்கப்பட்ட 5 பாடல்கள்) சின்னவோர்பொருள், கடவுளைவருந்தி, எப்புவிளும், வைத்தவர், ஈன்றவர்

சிறிலக்கியம் - அருள்தரும் பூங்கோதையன்னை பிள்ளைத் தமிழ்:

1. காப்புப்பருவம் - கோத்தமிழ் குமரகுரு, 2. சப்பாணிப்பருவம் - பட்டிமுனிகோமுனி,
3. ஊசல்பருவம் - நாவரசர் நற்றமிழால் (முதுமுனைவர் ந.இரா.சென்னியப்பனார்)

கடிதப்பயிற்சி

5. கல்விக் கடன் வேண்டி வங்கிமேலாளருக்கு விண்ணப்பம்
6. வசிப்பிடத்திற்கு அடிப்படை வசதிவேண்டி வட்டாட்சியருக்கு விண்ணப்பம்
7. விருது பெற்ற நண்பனுக்குப் பாராட்டுக் கடிதம்
8. புத்தகங்கள் அனுப்பி உதவவேண்டி, பதிப்பகத்தாருக்கு விண்ணப்பம்

TOTAL HOURS: 48

பார்வை நூல்கள்

1. கற்பகச் சோலை - தமிழ்ப்பாட நூல், இலக்கிய நெறிகள், தமிழ்த்துறை வெளியீடு, கற்பகம் உயர்கல்விக்கழகம், கோயம்புத்தூர் - 21.

2. தமிழ் இலக்கிய வரலாறு, முனைவர் கா.கோ. வேங்கடராமன்,
கலையக வெளியீடு, நாமக்கல்.

இணையதளம்

1. www.tvu.org.in
2. www.maduraitamilproject.com

இதழ்கள்

1. International Research Journal of Indian Literature, irjil.in
2. International Tamil Research Journal, iorpress.in

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.8	2.4	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0**Marks: Internal:40 External:60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:**

Not Required

COURSE OBJECTIVES(CO):

The goal of this course is for students to:

- Understand the text styles and grammatical elements
- Discuss the content of a reading passage
- Develop an interest in the appreciation of short stories

COURSE OUTCOMES(CO's) :

- Develop an interest in the appreciation of literature.
- Discuss and respond to content of a reading passage.
- Learning the literacy knowledge of Hindi specially reading and writing .
- Learning the literary knowledge specially reading and understanding of Hindi short Stories
- Learning the history of Hindi literature.

UNIT -I	a) Prose - Bharathiya Sangrah b) Non-Detailed - Naya Mehman c) Nibandh - Anushasan d) Grammar - Bhasha Aur Vyakaran	9 HOURS
UNIT -II	a) Prose - PahthaPani Nirmal b) Non-Detailed - Eakankki ki Visheshatha c) Nibandh - Onam d) Grammar – Varna Vichar , Sangya	9 HOURS
UNIT -III	a) Prose – RashtriyaPithaMahathma b) Non-Detailed – Maha Bharat ki Eak Sanjh c) Nibandh – Eakatha Ka Mahathva d) Grammar – Sarvanam , Gender	10 HOURS
UNIT-IV	a) Prose – Gapshap b) Non-Detailed – Yahang Sona Mana Hai c) Nibandh – Ganga Pradhushan Ki Samasya d) Grammar – Number , Karak , Visheshan	10 HOURS
UNIT-V	a) Prose – Nindha Ras	10 HOURS

- b) Non – Detailed Eakanki ki Katha Vasthu
- c) Nibandh – Paropkar
- d) Grammar - Kriya , Kriya Visheshan

TOTAL: 48 HOURS

TEXT BOOKS:

I. Prose : Nuthan Gathya Sangrah (lesson-1,5,6,8,9), Editor : Jayaprakash, Publisher : Sumithra Prakasan, 16|5.Hasting Road, Illahabad.211001.

II. Non-detailed: Naveen Ekhanki Sangrah, Editor : Dr. Srimathi Malathi Tiwari, Publisher: Sumithra Prakashan, 204.Leela Apartment, Ashok Nagar, Illahabad-211001.

REFERENCE BOOKS:

I. Nibandh: Subod Hindi Nibandh, Editor : Dr. Braj Kishor Prasad Sing, Publisher: Manoj Publication, 1583-84 Dariba Kala, Chandni Chouk, Delhi – 110006.

II.Grammar: Sugam Hindi Vyakaran, Writer: Pro. Vamshidhar& Dharmapal, Publication: Shiksha Bharathi, Kashmir Gat, Delhi - 110006

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO14	PO14	PO15	PSO2	PSO1
CO1	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.8	2.4	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Not required

COURSE OBJECTIVES(CO):

The goal of this course is for students to:

- Improves grammatical knowledge
- Will continue to read and learn about articles and think about them
- It is possible to read and understand short stories and understand the thoughts and life of the people of this state.

COURSE OUTCOME(CO's):

- Understand the text styles and grammatical elements
- Discuss the content of a reading passage
- Develop an interest in the appreciation of short stories
- Comprehend the grammatical structures and sentence making
- Understand the language and developing English to Malayalam translation skill

PART I MALAYALAM PAPER I		
UnitNo.		HOURS
I	Novel–Pathummayude Aadu-Vaikam Muhammed Basheer	10
II	Novel—Pathummayude Aadu-Vaikam Muhammed Basheer	10
III	Short Story-Ente Priyappeta Kadhakal–Akbar Kakkattil)	09
IV	Short Story-Ente Priyappeta Kadhakal–Akbar Kakkattil)	10
V	Composition & Translation(English to Malayalam)	09
TOTAL HOURS		48

TEXTBOOKS:

1. Novel-Pathummayude Aadu-Vaikam Muhammed Basheer (D.C.Books,Kottayam,Kerala)
2. Short Story - Ente Priyappeta Kadhakal – Akbar Kakkattil) (D.C.Books,Kottayam,Kerala)
3. Expansion of ideas,General Eassay and Translation.(A simple passage)

REFERENCEBOOKS:

- 1.Malayala Novel Sahithya Charitram-K.M.Tharakan(N.B.S.Kottayam)
- 2.Cherukatha Innale Innu-M.Achuyuthan (D.C Books, Kottayam)

3.Sahithya Charitram Prasthanangalilude-Dr.K.MGeorge, (D.C.BooksKottayam)

4.Malayala Sahithyavimarsam-SukumarAzheekode(D.C.books)

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO14	PO14	PO15	PSO2	PSO1
CO1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Average	-	3	3	-	-	-	3	-	-	-	-	2	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

PREREQUISITE:

Not required

COURSE OBJECTIVES(CO):

The goal of this course is for students to:

- The fundamental objective of the curriculum is to impart effective science education at the undergraduate level, exposing them to recent trends and developments in the subject.
- Creating scientific temper is another major objective of this curriculum.
- Another major thrust given here is to develop an environmental concern in all activities of the students. 'Go green', the motto of the syllabus emphasizes the urgent need to conserve nature without destruction of natural resources.

COURSE OUTCOMES(CO's) :

- **Critical Thinking** :Take informed actions after identifying the assumptions that frame students' thinking and actions.
- **Problem Solving**: Understand and solve problems of relevance to society to meet the specified needs using the knowledge, skills and attitudes acquired.
- **Effective Communication**: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
- **Effective Citizenship**: Demonstrate empathetic social concern and equity centered national development.
- **Environment and Sustainability**: Understand the issues of environmental contexts and sustainable development.

UNIT I**9 HOURS**

Introduction to Poetry, Definition of Poetry

UNIT II**9 HOURS**

Five Maha Kavyas

UNIT III

10 HOURS

Text Prescribed: Raghuvamsa (Canto–1 First Ten Slokas

UNITIV

10 HOURS

Text Prescribed: Raghuvamsa (Canto –1)Slokas Eleven to Thirty

UNIT V

10 HOURS

Text Prescribed :Raghuvamsa(Canto–1) SlokasThirty One to Fifty

Grammar:Text prescribed:

Sanskrit Self Teacher

ByDr.V.Varadhachari

(Present tense and Declension of ,,a"endingnouns

(Masculine)

TOTAL: 48 HOURS

TEXT BOOKS:

1.Raghuvamasa (Canto – 1)R.S.Vadhyar and SonsPalghat,Kerala

2.Sanskrit Self TeacherBy Dr.V.VaradhachariT.S.Sriraman32,TankBundRoad, Near Loyola
College, Nungambakkam Chennai600034.

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.6	2.6	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Not Required

COURSE OBJECTIVES(CO):

The goal of this course is for students to:

- Enable the learner to communicate effectively and appropriately in French.
- Develop and integrate the use of the four language skills: listening, speaking, reading, and writing.
- Train the students to acquire proficiency in French through reading different genres of literature and learning grammar.

COURSE OUTCOMES(COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES (COs)	BloomsLevel
CO1	Retrieve fundamentals of French language to construct error free sentences.	Apply
CO2	Construct and maintain social relationships.	Analyze
CO3	Construct business letters, proposals and E-Mail communication	Apply
CO4	Adopt the skills of planning, structuring, and delivery techniques in group discussions and presentations.	Understand
CO5	Classify communication skills in business environment	Understand

Unite – I**9 HOURS**

- a) Leçon – Bienvenue
- b) Communication –Un cours de francais,Entreren contact saluer,
- c) Verbes - êtreouavoir
- d) Lexique –Les couleurs, l' alphabet
- e) Culture – La France

Unité - II**9 HOURS**

- a) Leçon –Bonjourçava ?
- b) Communication –Demander et dire,Commentçava

- c) Verbes – Les verbes réguliers en –er.
- d) Lexique - Les Pays et les nationalités , Les animaux domestiques, Les jours de la semaine.
- e) Culture – La France et la Francophonie

Unité - III

10 HOURS

- a) Leçon - Salut ! Je m'appelle Agnès
- b) Communication - Se présenter et présenter quelqu'un Demander et dire la date
- c) Grammaire - Les pronoms personnels sujets ,Les verbes être et avoir ,
Les articles définis et indéfinis
- d) Verbes - Les verbes aller et venir
- e) Lexique - Les mois de l'année, Les nombres de 0 à 69 » La famille (1)
- f) Culture - La France physique et politique

Unité IV

10 HOURS

- a) Leçon - Qui est-ce ? Dans mon sac, j ' ai
- b) Communication - Demander et répondre poliment ,Demander des informations Personnelles
- c) Grammaire - La formation du féminin, La formation du pluriel ,
Le adjectifs possessifs
- d) Verbes -Les verbes être et re
- e) Lexique -Les professions ,Quel ques objets ,La fiche d'identité
- f) Culture -Les symbols de la France,

Unité V

10 HOURS

- a) Leçon - Il est comment ? Allô ?
- b) Communication - Décrire l'aspect physique et le caractère Parler au téléphone
- c) Grammaire - La formation du féminin , La phrase interrogative
Qu'est-ce que... ? La phrase négative
- d) Verbes - Le verbe Faire
- e) Lexique -L'aspect physique , Le caractère, Les prépositions de lieu ,

f) Culture - Les nombres à partir de 70
 Les frontières de la France, les villes connues en France.

TOTAL: 48 HOURS

TEXT BOOKS:

1. Cocton Marie –Noëlle , Duplex Dorothée, Heu Elodie , Kasazian Emilie, Ripaud Delphine, **Saison 1- Méthode de français**, Didier, Paris, 2015.
2. Cocton Marie – Noëlle, Duplex, Heu Elodie, Kasazian Emilie , Ripaud **Deldphin, Saison 1 –Cahier d’activites** , Dider , Paris , 2015

REFERENCE BOOKS:

- 1 Anne Akyüz, Bernadette Bazelle- Shahmael, Joëlle Bonenfant, Marie- Françoise Gliemenn, **Les exercices de grammaire**, Hachette FLE, Paris, 2005
- 2 Christian Beaulieu, Je **pratique, Exercices de grammaire A1**, Dider, Paris, 2015
- 3 Nathalie BIE, philippe SANTINAN, **Grammaire pour adolescents-250 exercices**, CLE International , Paris , 2005

WEBSITES :

1. <http://enseigner.tv5monde.com/>
2. [bonjourdu monde.com /exercices/contenu/le – francais-du- tourisme.html](http://bonjourdu monde.com/exercices/contenu/le-francais-du-tourisme.html)
3. <http://www.bonjurdefrance.com/>
4. <https://www.lepointdufle.net/>

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Average	-	3	3	-	-	-	3	-	-	-	-	2	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:3 T:0 P:0**Marks: Internal:40 External:60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:**

- Basic proficiency in English language

COURSE OBJECTIVES (CO):

The goal of this course is for students to:

- Enable the learner to communicate effectively and appropriately.
- Develop and integrate the use of the four language skills.
- Train students to acquire proficiency in English by reading different genres of literature and learning grammar.

COURSE OUTCOMES (COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES (COs):	BT Level
CO1	Construct error-free sentences in English	Apply
CO2	Build partnerships to attain goals	Apply
CO3	Construct and maintain social relationships.	Apply
CO4	Improve communication skills in business environment.	Create
CO5	Build their communication competency through LSRW skills.	Create

UNIT-I**8 HOURS**

LISTENING: Listening –Types of Listening

SPEAKING: Face to Face Conversation

READING: Reading – Types of Reading

WRITING: Jumbled Sentences

LITERATURE: Ode on a Grecian Urn by John Keats

GRAMMAR: Parts of Speech

UNIT-II**7 HOURS**

LISTENING: Principles of Listening Skills

SPEAKING: Descriptions

READING: Reading Techniques

WRITING: Paragraph Writing

LITERATURE: Of Friendship by Francis Bacon

GRAMMAR: Articles

UNIT-III**7 HOURS**

LISTENING: Barriers of Listening
SPEAKING: Telephone Conversations
READING: Reading Comprehension Passages
WRITING: Precise Writing
LITERATURE: The Umbrella man by Roald Dahl
GRAMMAR: Tense

UNIT-IV**7 HOURS**

LISTENING: Story Narrations
SPEAKING: Group Discussion
READING: Reading Reports and profiles
WRITING: Letter Writing
LITERATURE: Tyger by William Blake
GRAMMAR: Subject and Predicate-Question Tags

UNIT V**7 HOURS**

LISTENING: Listening Strategies
SPEAKING: Interview Skills
READING: Tips for MOC- Anchoring
WRITING: Circular Writing and Summary Writing
LITERATURE: Short story: Rapunzel by the Brothers Grimm
GRAMMAR: Framing Questions

TOTAL HOURS- 36**TEXT BOOK**

1. Board of Editors, *Acrostic I* (2024). Karpagam Academy of Higher Education

REFERENCE BOOKS:

1. Martin's, St (2013). *Oxford Handbook of Writing: Handbook of Writing*. Cambridge University Press.
2. Julian Treasure, *Sound Business*, (2012). Oxford University Press
3. Hornby, A. S. (1975). *The Guide to patterns and usage in English*: oxford university Press.
4. Ellis, R. (1990). *Instructed second language acquisition*, Oxford: oxford university Press New York: Pergamon Press.

WEB SITES:

1. <https://langster.org/en/blog/fundamentals-of-english-grammar-everything-you-need-to-know/>
2. <https://medium.com/@phonicstandardvideo.am/fundamentals-of-english-grammar-for-novices-24b355d2cd83>

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Average	-	3	3	-	-	-	3	-	-	-	-	2	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:7 T:1 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITES

- Business Basics, Mathematics (Algebra and Arithmetic), Statistics Knowledge, IT Proficiency, Programming Skills, Effective Communication, Legal and Regulatory Awareness

COURSE OBJECTIVES(CO):

- Apply accounting for journalizing, ledgers, trial balances, final accounts, and depreciation.
- Analyze hire purchase, installment transactions, defaults, consignment, joint ventures, and stock valuation.
- Create consolidated accounts and evaluate branch accounting.

COURSE OUTCOMES(COs):

Upon completion of this course, the student will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Understanding of basic accounting principles and practices for journalizing, ledger maintenance, and trial balance preparation.	Understand
CO2	Proficiency in preparing final accounts and calculating depreciation's impact on financial statements.	Apply
CO3	Ability to account for transactions in hire purchase and installment systems, including default scenarios.	Apply
CO4	Application of accounting principles for consignment and joint ventures, including stock valuation.	Apply
CO5	Ability in creating consolidated financial accounts and accounting for different branch kinds.	Apply

UNITI – FUNDAMENTALS OF ACCOUNTING**19 HOURS**

Accounting – Need – Objectives – Advantages – Limitations-UsersofAccounting– Functions-BookKeeping-MethodsofAccounting - Accounting Concept - Accounting Conventions - Basis of Accounting -Cash basis and Accrual basis - Concept, Benefits – Accounting Process –Journal - Ledger - Subsidiary Books – Trial Balance - Branches of Accounting – Overview of Accounting Standards (AS) – Concept of International Financial Reporting Standards (IFRS).

UNIT-II - FINAL ACCOUNTS AND DEPRECIATION**19 HOURS**

Final Accounts - Trading Account - Profit and Loss Account - Balance Sheet - Adjusting Entries. Depreciation – Meaning – Need - Causes of Depreciation -Accounting concept of Depreciation -Factors affecting the Amount of Depreciation-

Methods of computing depreciation - Straight line method and Diminishing balance method - Disposal of Depreciable Assets - Change of method.

UNIT-III - ACCOUNTING FOR HIRE PURCHASE AND INSTALLMENT SYSTEM
19 HOURS

Introduction - Features of Hire Purchase - Concepts in Hire Purchase and Installment System - Accounting Procedure for Hire Purchase and Installment System - Transactions - Journal Entries and Ledger Accounts including Default and Repossession.

UNIT-IV - ACCOUNTING FOR CONSIGNMENT AND JOINT VENTURE: CONSIGNMENT
19 HOURS

Consignment - Meaning - Features - Account Sales - Valuation of Stock - Normal Loss - Abnormal Loss - Accounting Treatment in the books of the Consignor and Consignee. Joint Venture: - Meaning - Accounting procedures - Separate set of books - Memorandum Joint Venture account.

UNIT-V - ACCOUNTING FOR BRANCHES
20 HOURS

Meaning - Types of Branches - Accounting of various types of dependent branches - Accounting aspects - Debtors' system - Stock and Debtors system - Branch Final Accounts System and Wholesale Branch System. Independent Branches: Concept Accounting Treatment: Important Adjustment Entries and Preparation of Consolidated Profit and Loss Account and Balance Sheet.

Note: Distribution of Marks - 20% theory and 80% problems

TOTAL HOURS - 96

TEXT BOOKS:

1. S. N. Maheshwari, Suneel K Maheshwari (2018) *Financial Accounting*, 6th Edition, Vikas Publishing House, New Delhi
2. Dr. S N Maheshwari & Dr. Suneel K Maheshwari (2018), *Problems and Solutions in Advanced Accountancy*. 6th edition, Vikas Publishing House, New Delhi
3. S.P. Jain and K.L. Narang (2016) *Advanced Accountancy Principles of Accounting*, Kalyani Publishers, Ludhiana

REFERENCE BOOKS:

1. Shukla, M.C. Grewal T.S. Gupta. S.C. (2016), *Advanced Accounts. Vol.-I.*, 19th Edition, S. Chand & Co., New Delhi.
2. Deepak Sehgal. (2016), *Financial Accounting*. 1st edition, Vikas Publishing House, New Delhi
1. Dr. P.C. Tulsian & C.A. Bharat Tulsian (2016) *Financial Accounting*, 2nd Edition, Sultan Chand Publishing, New Delhi

WEBSITES:

1. https://swayam.gov.in/nd1_noc20_mg71/preview

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	2	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
CO2	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	2	1
CO3	2	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
CO4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1
CO5	3	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	1
Average	2.4	1.4	0.4	-	-	-	0.6	-	-	-	-	-	-	-	-	-	1

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:5 T:2 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

- Basic understanding of algebra, calculus, and introductory statistics is required.

COURSE OBJECTIVES(CO):

- Understand and apply fundamental concepts of matrices, interest calculations, and differential calculus in business and economic contexts.
- Perform univariate and bivariate statistical analyses, including measures of central tendency, variation, correlation, and regression.
- Construct and analyze index numbers and time-series data, enabling practical applications in business and economic decision-making.

COURSE OUTCOMES(COs):

Upon completion of this course, the student will be able to:

Cos	COURSE OUTCOMES(COs):	Blooms Level
CO1	Understand the basic concepts and types of matrices, and perform matrix algebra.	Understand
CO2	Apply differentiation rules to various functions and solve problems related to elasticity, cost, revenue, and profit.	Apply
CO3	Solve statistical measures such as mean, median, mode, and partition values to data sets.	Apply
CO4	Utilize the correlation or regression methods to find the relationship between two variables.	Apply
CO5	Explain the methods to construct simple and weighted index numbers and perform trend analysis using time-series data.	Understand

UNIT I - MATRICES AND BASIC MATHEMATICS OF FINANCE**16 HOURS**

Definition of a matrix-Types of matrices- Algebra of matrices-Calculation of values of determinants up to third order-Adjoint of a matrix-Finding inverse of a matrix through adjoint-Applications of Matrices to solution of simple business and economic problems. Rates of interest: Simple and compound interest.

UNIT II - DIFFERENTIAL CALCULUS**17 HOURS**

Mathematical functions and their types: linear, quadratic, polynomial-Concepts of limit and continuity of a function-Concept of differentiation: Rules of differentiation – simple standard forms. Applications of differentiation: Elasticity of demand and supply- Maxima and Minima of functions (involving second or third order derivatives) relating to cost, revenue and profit.

UNIT III - UNI-VARIATE ANALYSIS**17 HOURS**

Measures of Central Tendency: Arithmetic mean, Geometric mean and Harmonic mean and its properties and applications - median - mode. Partition values - quartiles, deciles, and percentiles. Measures of Variation: Absolute and Relative- Range-Quartile Deviation-Mean Deviation-Standard Deviation-Coefficient of variation-Variance and its properties.

UNIT IV – BIVARIATE ANALYSIS**17 HOURS**

Simple Linear Correlation Analysis: Meaning and measurement - Karl Pearson's co-efficient and Spearman's rank correlation coefficient. Simple Linear Regression Analysis: Regression equations and estimation. Relationship between correlation and regression coefficients

UNIT V - TIME-BASED DATA: INDEX NUMBERS AND TIME-SERIES ANALYSIS**17 HOURS**

Meaning and uses of index numbers; Construction of index numbers: Aggregative and average of relatives – simple and weighted, Tests of adequacy of index numbers, Construction of consumer price indices. Components of time series; additive and multiplicative models; Trend analysis: Finding trend by moving average method and Fitting of linear trend line using principle of least squares.

TOTAL: 84 HOURS**TEXT BOOKS:**

1. Sharma, J.K.(2014).*Business Statistics*,4thEdition,VikasPublishingHouse,NewDelhi.
2. Navaneetham, P. A. (2019). *Business Mathematics and Statistics*, Jai Publishers, Trichy.

REFERENCE BOOKS:

1. Sreyashi Ghosh and Sujata Sinha, (2018).*Business Mathematics and Statistics*, 1stEdition, Oxford University Press, New Delhi.
2. Asim Kumar Manna, (2018).*Business Mathematics and Statistics*, 1st Edition, McGraw Hill Education, New Delhi.
3. Gupta S.P and Gupta P.K. (2013).*Business Statistics and Business Mathematics*, S.Chand Publishing, New Delhi.
4. Mariappan,(2015).*Business Mathematics*, 1st Edition, Pearson Education, New Delhi.

WEBSITES:

1. <https://www.coursera.org/specializations/business-statistics-analysis>
2. https://www.youtube.com/watch?v=TGo0_eIEFoA
3. https://www.youtube.com/watch?v=IBB4stn3exM&list=PLU6SqDYcYsfLeej_640C9vsR5FgmUF5Up

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	2	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Average	-	-	2.3	3	3	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

24CIU111 COMPUTER APPLICATION IN BUSINESS -PRACTICAL SEMESTER I
6H- 3C

Instruction Hours/week: L:0 T:0 P:6**Marks: Internal:40 External:60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:**

- Basic computer literacy, including familiarity with operating systems and general software applications. An introductory understanding of Microsoft Office tools is beneficial.

COURSE OBJECTIVES(CO):**To make the students**

- Prepare documents and reports for the organization.and prepare datasheet and apply the built-in functions for analyzing the data to support decision making
- Utilize visual aids and tools to present the data and Design the presentations for the business meetings
- Store, retrieve data and make decisions based on the information and employ Computer on real life business situations

COURSE OUTCOMES(COS):**Upon completion of this course, the students will be able to:**

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Prepared documents and reports for the organization.	Apply
CO2	Prepared a datasheet and applied the built-in functions for analyzing the data to support decision-making.	Analyze
CO3	Utilized visual aids and tools to present the data.	Apply
CO4	Designed presentations for the business meetings.	Apply
CO5	Stored, retrieved data, and made decisions based on the information and employed computer tools in real-life business situations.	Apply

MSWORD

1. Type Chairman's Speech / Auditors report/ Minutes/ agenda and perform the following operations Bold, Underline, Font Size, Font Style, Background Color, text Color, Line Spacing, Spell Check, Alignment, Header and Footer, inserting page numbers, Find and replace.

5 HOURS

2. Prepare an invitation for the College Function using Textboxes and Clip Art

5 HOURS

3. Prepare a class time table and perform the following operations - Insert table, data entry, alignment of rows and columns, inserting and deleting and change of table format.

5 HOURS

4. Prepare a shareholders' meeting letter (notice) for 10 members using mail merge operation.

5 HOURS**MS EXCEL**

5. Prepare a mark list of your class (minimum 5 subjects) and perform the following operations Data entry, total, average, result and ranking by using arithmetical, logical functions and sorting

5 HOURS

6. Prepare final accounts (Trading Profit and Loss account and Balance Sheet) by

using Mathematical formula

5 HOURS

7. Draw different types of charts (Line, Pie, Bar) to illustrate year wise performance of sales, purchase, profit of a company by using chart wizard.

5 HOURS

MS POWERPOINT

8. Design Presentation slides for a product of your choice. The slides must include name, brand name, type of product, characteristics, price, special offer etc. and Add voice if, possible to explain the features of the product. The presentation should work in manual mode **5 HOURS**
9. Design presentation slides for organisation details for five levels of hierarchy of a company using organisation chart **5 HOURS**
10. Design slides for the headline news of a popular TV channel. The presentation should contain the following transactions – Top down, bottom up, Zoom in and Zoom out – The presentation should work in custom mode **5 HOURS**
11. Design presentation slides about an organisation and perform frame movement by inserting clip arts to illustrate running of an image automatically **5 HOURS**
12. Design presentation slides for the seminar, lecture presentation using animation effect and perform the following operations: Creations of different slides, changing background color, font color, using word art. **5 HOURS**

MS ACCESS

13. Prepare a payroll for employee database of an organisation with the following details Employee id, employee name, date of birth, department, designation, date of appointment, basic pay, dearness allowance, House Rent allowance and other deductions if any. Perform queries for different categories. **6 HOURS**
14. Create mailing labels for student database which should include atleast three table, must have atleast 2 fields with the following details :Roll no, name, course, year, college name, university, address, phone number **6 HOURS**

TOTAL: 72 HOURS

TEXT BOOKS:

1. Wayne L. Winston, (2017), *Microsoft Excel 2016 - Data Analysis and Business Modeling*, Prentice Hall India Learning Private Limited, New Delhi
2. Faithe Wempen (2016), *Microsoft Office 2016 at Work for Dummies*, Wiley India, New Delhi
3. [Dinesh Maidasani](#) (2015), *Learning Computer Fundamentals, MS Office and Internet & Web Technology*, 3rd Edition, Laxmi Publications, New Delhi.
4. John Walkenbach (2015), *Microsoft Excel 2016 Bible: The Comprehensive Tutorial Resource*, Wiley India, New Delhi.

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	1
CO2	3	-	3	3			1	-	-	-	1	-	-	-	-	-	1
CO3	3	-	-	-	-	2		-	-	3	2	-	-	-	-	-	1
CO4	3	-	-	2	2	-	-	-	-	-	3	-	-	-	-	-	1
CO5	3	-	3	3	2	1	-		1	-	3	-	-	2	3	-	-
Average	3	-	3	2.67	2	1.5	1.5	-	1	3	2	-	-	2	3	-	1

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:2 T:0 P:0

Marks: Internal:100 External: - Total:100

End Semester Exam: - Hours

PREQUISITES

- Basic interest in health and wellness. Familiarity with fundamental concepts of yoga and personal development is beneficial.

COURSE OBJECTIVES(CO):**To make the students**

- Create awareness about Yoga and Physical Health.
- Provide Value Education to improve the students' character and understanding of the greatness of life force and mind.
- Know about five aspects of life and to develop good qualities and eliminate bad ones.

COURSE OUTCOMES(COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Understand the concepts of Yoga and Physical Health.	Understand
CO2	Study the concepts of the Greatness of Life force and Mind.	Understand
CO3	Learn the aspects of Personality Development and Sublimation.	Understand
CO4	Practices Human Resource Development.	Apply
CO5	Understand about the yoga, life and Law of Nature	Apply

UNIT:I YOGA AND PHYSICAL HEALTH**5 HOURS**

Manavalakalai (SKY) Yoga: Introduction Education as a means for youth empowerment- Greatness of Education Yoga for youth Empowerment. Simplified Physical Exercises Hand, Leg, Breathing, Eye exercises Kapalabathi, Makarasana Part I, Makarasana Part II, Body Massage, Acupressure, Relaxation exercises Benefits Yogasanas 1: Pranamasana Hastha Uttanasana Pada Hasthasana - Aswa Sanjalana Asana Thuvipatha asva Sarjalana asana Astanga Namaskara - Bhujangasana Atha Muktha Savasana Aswa Sanjalana Asara Pada Hasthasana-Hastha Uttanasana Pranamasana - Pranayama: Naddi sudei-Clearance Practice-Benefits - Simplified Physical Exercise-Kayakalpa Practices - Meditation Practices.

Philosophy of life: Purpose of life Philosophy of life (Needs Protections Virtues Development of knowledge) Five Types of duties-Protection of the natural resources.

UNIT:II GREATNESS OF LIFE FORCE AND MIND**5 HOURS**

Reasons for Diseases Natural reasons (Genetic/imprints, Planetary Position, Natural calamities and climatic changes) Unnatural reasons (Food habits, Thoughts, Deeds) Philosophy of Kaya Kalpa: Physical body-Sexual vital fluid-Life force- Bio-Magnetism-Mind Maintaining youthfulness: Postponing old age seven components - Importance of sexual vital fluid Transformation of food into Measure and method in five aspects of life-Controlling undue Passion. Kayakalpa practice:Aswini Mucra-Ojas breath-Benefits of Kaya Kapa.

UNIT:III PERSONALITY DEVELOPMENT-SUBLIMATION**5 HOURS**

Mental Frequencies: Beta, Alpha, Theta and Delta wave Agna Meditation explanation benefits. Shanti meditation: Shanthi Meditation explanation-benefits - Thuriya Meditation: Thuriya Meditation explanation-benefits - Benefits of Blessing Self blessing (Auto suggestion) Family blessing Blessing the others World blessing- Divine protection Human Values: Set-cortio- Sell-confidence Honesty Contentment Humility Modesty To erance Adjustment- Sacrifice-Forgiveness Puntty (Bocy, Dress, Enviornment) Physica purity-Mental purity-Spiritualpurity. Social Values: Nonviolence-Service Patriotism-Equality Respect for parents and elders care and protection Respect for teacher Punctuality-Time Management

UNIT:IV HUMANRESOURCEDEVELOPMENT**5 HOURS**

Morality (virtues): Importance of Introspection: 1 Mine (Ego, Possessiveness) Six Evi Temperaments-Greed-Anger-Miserliness Immoral sexual passion - Inferiontyand superiority Complex - Vengeance Maneuvering of Six Temperaments: Contentment-Tolerance-Charity-Chastity -Equality-Pardon (Forgiveness) - Five essential Qualities acquired through Meditation: Perspicacity Magnanimity Receptivity Adaptability-Creativity (Improved Memory Power)

UNIT:V LAWOF NATURE**4 HOURS**

Ten stages of the Mind - Five kosas of the mind Maintaining good Relationships Thought-Importance of thoughts - Reasons for Thoughts Practice of Analysis of Thoughts Definitionof Desire-Root causes for desires Types of desires Desires Essential for success Practice for Moralization of Desires Thought-Reformation-Frugality.Anger- Reasons for Anger-Anger and Peace Ill effects of anger Tolerance and Forgiveness - Neutralization of Anger- practice. Diversity in Men (Why Men Differ) Love and compassion, Eradication of Worries: Reasons for Worries-Fout types of worries Il effects-results-Practice for Eradication of Worries

Yoga Practices:Thandasana Chakrasana (sideways)Vruchasana Thirikonasana Varasana

TOTAL: 24 HOURS**TEXT BOOKS:****Yoga for Youth Empowerment, 2023 Reference Books:**

1. Kayakapam Thathuvagnani Vethathiri Maharishi
2. Light on yoga BKS. Iyenger
3. Manavalakala Part-1-Thathuvagnani Vethathiri Maharishi.
4. Manavalakala part-2-Thathuvagnani Vethathiri Maharishi
5. Mind Thathuvagnari Vethathir Maharishi
6. Simplified Physical Exercises- Thathuvagnani Vethathiri Maharishi
7. Sound Health through yoga - Dr.Chandrasekaran
8. The world orcer of Holistic unity- Thathuvagnani Vethathiri Mahanshi
9. Thirukkural-Rev. Dr.G.U.pope
10. Yoga for modern age Thathuvagnani Vethathin Maharishi

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	-	-	-	-	-	1	-	-	-	1	-	1	-	1	-	1
CO2	-	-		2		-	1	-	2	-	1	-	3	2	1	-	1
CO3	-	-	2	-	2	-	1	-	2	-	2	-	3	2	1	-	1
CO4	-	3	-	-	-	-	1	-	1	-	2	-	3	2	1	-	1
CO5	-		-	-	-	-	1	1	-	-	2	-	3	-	1	-	1
Average	-	3	2	2	2	-	1	1	1.7	-	1.6	-	2.6	2	1	-	1

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

பாடத்திட்டப் பொதுநோக்கம்

- கற்றல் வழி சிந்தனை மற்றும் கருத்து வெளிப்பாட்டுத் திறன்களை மேம்படுத்துதல்.
- இலக்கியங்கள் வழியாக வாழ்வின் நுட்பங்களை உணர்த்தி, மனித மனத்தினைப் பக்குவப்படுத்துதல்.
- அறஉணர்வு மற்றும் பண்பாடு குறித்து அறிவூட்டி, அரசுத் தேர்வுகளுக்கு மாணவர்களை ஆயத்தமாக்குதல்..

பாடத்திட்டப் பயன் விளைவு

- இந்தியக் குடியரிமைப் பணி முதலான போட்டித் தேர்வுகளில், விருப்பப் பாடமாக இடம்பெறுகின்ற, 'தமிழ் இலக்கிய வரலாறு' குறித்த முழுமையான அறிமுகம் பெற்றிருத்தல்.
- கல்வெட்டியல், ஓலைச்சுவடியியல் மற்றும் தொல்லியல் சார்ந்த ஆவணத் தேடலுக்குரிய ஆய்வுமனப்பான்மையுடன், இலக்கியங்களை அணுகுதல்.
- தமிழின் வளர்ச்சித் துறையாகிய, 'அறிவியல் தமிழ்', 'இணைய தமிழ்' குறித்த பன்னோக்கு அணுகுமுறையிலான ஆய்வுச் சிந்தனை மேம்பாடு.
- வேலைவாய்ப்புக்குரிய சுயதிறன் மேம்பாட்டுடன், படைப்பாக்கத்திறன் மேம்பாடும் பெற்றிருத்தல்.
- சமுதாய மற்றும் வாழ்வியல் மதிப்புகளைப் பேணுவதற்குக் கருவியாக இலக்கியங்களை நாடுகின்ற மனப்பான்மை வளர்ச்சி. மொழிபெயப்புத் துறைசார்ந்த வேலைவாய்ப்புத் திறன் பெற்றிருத்தல்

அலகு - I**(10மணிநேரம்)**

இலக்கிய வரலாறு : நாயன்மார்கள் அறிமுகம் - தமிழ் இலக்கிய வரிசையில் பன்னிரு திருமுறைகள் - பன்னிரு திருமுறைகள் அறிமுகம் - திருமுறை ஆசிரியர்களின் இலக்கியப் பங்களிப்பு-திருமுறைகளில் பக்திநெறியும் சமுதாய நோக்கும்

பக்தி இலக்கியம் : சைவம் : பெரியபுராணம் - திருமூலநாயனார் புராணம்

கவிதை : மகாகவி பாரதியார் - பகைவனுக்கு அருள்வாய்

கவிதை : கவிமணி தேசிக விநாயகம் பிள்ளை - கோயில் வழிபாடு

கவிதை : கரிகாலன் - விடுதலை

சிறுகதை : அறிஞர் அண்ணா - செவ்வாழை

கட்டுரை : ஆளுமைத்திறன் அறிவோம் - தன்னம்பிக்கை மாத இதழ்

இலக்கணம் - வாக்கிய அமைப்பு : தனி வாக்கியம்-தொடர் வாக்கியம்-கலவை வாக்கியம்-தன்வினை வாக்கியம்-பிறவினை வாக்கியம்-செய்வினை, செய்ப்பாட்டுவினை வாக்கியம், கட்டளை வாக்கியம்-வினா வாக்கியம்-உணர்ச்சி வாக்கியம். நன்னூல் - பொதுவியல் - அறுவகை வினா (385) - எண்வகை விடை (386).

அலகு - II :**(10 மணிநேரம்)**

இலக்கிய வரலாறு : ஆழ்வார்கள் அறிமுகம் - இலக்கியப் பங்களிப்பு-
திவ்யப் பிரபந்தத்தில் பக்திநெறியும் இலக்கிய நயமும்

பக்தி இலக்கியம் : வைணவம் குலசேகர ஆழ்வார் -

பெருமாள் திருமொழி - தேவகி புலம்பல்

கவிதை : வைரமுத்து - எறும்புகளோடு ஒருவார்த்தை

கவிதை : சிற்பி பாலசுப்பிரமணியன் - மலையாளக்காற்று

கவிதை : தாமரை - தொலைந்து போனேன்

சிறுகதை : சுஜாதா - நகரம்

கட்டுரை : முனைவர் புரிசை நடராசன் - திருக்குறளும்

சமுதாயவியலும்

அணி இலக்கணம் : உவமையணி - பிறிது மொழிதல் அணி -
சிலேடை அணி - தீவக அணி - ஏகதேச உருவக அணி - வேற்றுமையணி -
பின்வருநிலையணி விளக்கங்கள்.

அலகு - III**(10 மணிநேரம்)**

இலக்கிய வரலாறு : புதுக்கவிதை : தோற்றமும் வளர்ச்சியும்

இலக்கிய வரலாறு : உரைநடை : தோற்றமும் வளர்ச்சியும்

கவிதை : அப்துல் ரகுமான் - பாருக்குள்ளே நல்ல நாடு

சிறுகதை : கு. அழகிரிசாமி - ராஜா வந்திருக்கிறார்

சிறுகதை : நாஞ்சில்நாடன் - இந்நாட்டு மன்னர்

கட்டுரை : முனைவர் இரா. குணசீலன் - உயர்தனிச் செம்மொழி

படைப்பிலக்கியப் பயிற்சிகள் -- மரபுக்கவிதை, புதுக்கவிதை,

சிறுகதை, கட்டுரை

படைப்பாக்க

உத்திகள் - பயிற்சிகள்

அலகு - IV**(10 மணிநேரம்)**

இலக்கிய வரலாறு

- சிறுகதை தோற்றமும்

வளர்ச்சியும்

கவிதை : பாரதிதாசன் - இளையார் ஆச்சிச்சூடி

கவிதை : கவிஞர் சுகந்தி சுப்பிரமணியம் - புதையுண்ட வாழ்க்கை

சிறுகதை : ஆர். சூடாமணி - அந்நியர்கள்

கட்டுரை : முனைவர் ப.தமிழரசி - நொய்யல்

மொழிபெயர்ப்புப் பயிற்சிகள் - தமிழ் - ஆங்கில மொழிபெயர்ப்புப்

பயிற்சிகள் - 2.

அலகு - V**(8 மணிநேரம்)**

இலக்கிய வரலாறு : நாட்டுப்புறவியல் : ஓர் அறிமுகம்

கவிதை : கவிஞர் அறிவுமதி - நட்புக்காலம்

கவிதை : க. அம்சப்ரியா - நம்பிக்கை வை

சிறுகதை : அம்பை - வல்லூறுகள்

மொழிபெயர்ப்புப் பயிற்சிகள் - ஆங்கிலம் - தமிழ் மொழிபெயர்ப்புப்

பயிற்சிகள் - 2.

TOTAL: 48 HOURS

Part I TAMIL 2024. Even Sem Arts Karpagam Academy of Higher Education, Coimbatore – 21.

பார்வை நூல்கள்

3. கற்பகச் சோலை – தமிழ்ப்பாட நூல், இலக்கிய நெறிகள், தமிழ்த்துறை வெளியீடு, கற்பகம் உயர்கல்விக்கழகம், கோயம்புத்தூர் – 21.
4. தமிழ் இலக்கிய வரலாறு, முனைவர் கா.கோ. வேங்கடராமன், கலையக வெளியீடு, நாமக்கல்.

இணையதளம்

1. www.tvu.org.in
2. www.maduraitamilproject.com

இதழ்கள்

1. International Research Journal of Indian Literature, irjil.in
2. International Tamil Research Journal, iorpress.in

Mapping with Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	3	2.4	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Not Required

COURSE OBJECTIVES(CO):

- Understand the text styles and grammatical elements
- Discuss the content of a reading passage
- Develop an interest in the appreciation of short stories

COURSE OUTCOMES(COs) :

- Basic knowledge of Hindi language will be improved.
- Knowledge of glossaries will increase.
- Hindi language expression will rise.
- Learners will enrich their grammar in Hindi.
- The desire to read literature, such as the essay on a poem, develops.

UNIT-I	a) Poetry – Nagarjun b) Drama -Dhruva Swamini c) Novel - Nirmala , Thotharam d) Grammar – Kaal , Theen Prakar	9 HOURS
UNIT-II	a) Poetry – Sita , Ram b) Drama – Mandhakini , Koma c) Novel – Mansaram , Jiyaram d) Grammar – Upsarg, Prathyay	9 HOURS
UNIT-III	a) Poetry – Lakshman, Valmiki b) Drama – Ramaguptha , Chandhraguptha c) Novel – Sudha, Bhuvan Mohan Singh d) Grammar – Sabda Vyutpathi	10 HOURS
UNIT-IV	a) Poetry -Vishvaamithra, Thrijada b) Drama –Sikhar Swami,Shakraj c) Novel – Udhaybanulaal, Siyaram d) Grammar – Sambandh Chochak	10 HOURS
UNIT-V	a) Poetry – Bhagirath , Sagar b) Drama – Khingal , Mihirdev , Prohith c) Novel – bhalchandra Sinha,Kalyani, Rangili Bai d) Samuchchaybodhak, Vishmayathibodhak	10 HOURS

TOTAL: 48 HOURS**TEXT BOOKS:**

1. Modern Poetry : Bhoomija, Writer : Nagarjun, Editors : Somdev & shobhakanth
Publisher : Rdha Krishna Publication, New Delhi - 110051
2. Drama : Dhruva Swamini, Writer : Jaysankar Prasad, Publisher : Sakshi Publication
S 16,Naveen Shahdhara,Delhi – 110032

3. Novel : Nirmala, Writer : Premchandh, Publisher : Prabhath Prakashan, 4/19 Asaf Ali Road, New Delhi – 110002

4. Grammar : Sugam Hindi Vyakaran, Writer : Pro. Vamsidhar & Dharmapal, Publisher : Siksha Bharathi, Madharsa Road, New Delhi – 110006.

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	3	2.4	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Not required

COURSE OBJECTIVES(CO):

- A basic understanding of contemporary poetry can be gained and the nature of modern poetry can be realized.
- Realizing the nature of drama and its nature and improving the knowledge of reading and understanding the nature of contemporary plays.
- Understands the benefits of correspondence and can enhance the correspondence you need.

COURSE OUTCOME(COs):

- Get a basic understanding of Memories
- It will create basic knowledge about Environmental Psychology.
- It will create awareness about our environment.
- Knowledge is gain about our country, culture etc.
- It will be an eye opener to the students towards our Mother Earth.

PARTI-MALAYALAM II		
UnitNo.		Hours
I	Novel-Enmakaje	10
II	Novel-Enmakaje	10
III	Memories-Neermaathalam Poothakaalam	10
IV	Memories-Neermaathalam Poothakaalam	9
V	Translation(English to Malayalam)	9
TOTAL		48

TEXT BOOKS:

1. *Emakaje*-Ambikasuthan Mangad-DC Books Kottayam, Kerala
2. *Neermaathalam Poothakaalam*-Madhavikutty-DCBooksKottayam, Kerala

REFERENCE BOOKS:

1. Athmakathasahithyam Malayalathil - Dr.Vijayalam Jayakumar
(N.B.S.Kottayam)

2. Malayala Novel SahithyaCharitram-K.M.Tharakan (N.B.S.Kottayam)
3. Sahithya Charitram Prasthanangalilude -Dr.K.M George, (D.C.Books Kottayam)
4. Malayala Sahithyavimarsam - Sukumar Azheekode (D.C.books)

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Average	-	3	3	-	-	-	3	-	-	-	-	2	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0**Marks: Internal:40 External:60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:**

Not required

COURSE OBJECTIVES(CO):

- The fundamental objective of the curriculum is to impart effective science education at the undergraduate level, exposing them to recent trends and developments in the subject.
- Creating scientific temper is another major objective of this curriculum.
- Another major thrust given here is to develop an environmental concern in all activities of the students. 'Go green', the motto of the syllabus emphasizes the urgent need to conserve nature without destruction of natural resources.

COURSE OUTCOMES(COs) :

- Critical Thinking :Take informed actions after identifying the assumptions that frame students' thinking and actions.
- Problem Solving: Understand and solve problems of relevance to society to meet the specified needs using the knowledge, skills and attitudes acquired.
- Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
- Effective Citizenship: Demonstrate empathetic social concern and equity centered national development.
- Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.

UNIT I	9 HOURS
Introduction to Sanskrit Prose, Important prose works in Sanskrit	
UNIT II	9 HOURS
Balaramayana – Balakanda	
UNIT III	10 HOURS
Balaramayana – Ayodhyakanda	
UNIT IV	10 HOURS
Balaramayana – Aranyakanda	
UNIT V	10 HOURS
Athmanepada Declension of ending nouns (feminine) Passages from Sanskrit Self Teacher (Simple sentences)	

TOTAL: 48 HOURS**TEXT BOOK:**

1. Balaramayana – a simple prose version.R.S. Vadhyar and sons,Palghat, Kerala.

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.6	2.6	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Not Required

COURSE OBJECTIVES(CO):

The goal of this course is for students to:

- Make the students to speak and write errors free French.
- Help the students develop their listening, speaking, reading and writing skills.
- Introducing literary works to the students to enhance their analytical and aesthetic skills.

COURSE OUTCOMES (COs)::

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Strengthen the foundation of the language.	Remember
CO2	Standardize and demonstrate understanding of LSRW skills.	Understand
CO3	utilize fundamentals of language for reading, writing and effective communication.	Apply
CO4	Enhancing the reading skill to build the leadership quality.	Apply
CO5	Develop the moral and aesthetic values.	Evaluate

Unité- I a) Leçon - Les loisirs **9 HOURS**

- b) Communication - Parler de ses goûts et de ses préférences
 c) Grammaire - Les adjectifs interrogatifs, Les nombres ordinaux, L'heure, Les pronoms personnels COD
 d) Verbes - savoir et connaître
 e) Lexique - Les loisirs, Les activités quotidiennes, Les matières
 f) Culture - les grands fleuves de France.

Unité- II a) Leçon - La routine **9 HOURS**

- b) Communication - Décrire une journée
 c) Grammaire - Les verbes pronominaux, Les verbes du premier groupe en -e_er, -é_er, -eler, -eter, Le verbe prendre
 d) Verbes - manger, boire
 e) Lexique - Le temps et l'heure, La fréquence
 f) Culture - les bandes dessinées.

Unité- III a) Leçon - Où faire ses courses **10 HOURS**

- b) Communication - Au restaurant : commander et commenter
 c) Grammaire - Les articles partitifs, Le pronom (la quantité) très ou beaucoup ? La phrase négative
 d) Verbes - les verbes irréguliers
 e) Lexique - Les aliments, Les quantités, Les commerces et les commerçants
 f) Culture - Les plats français

Unité-IV a) Leçon - Decourvez et dégustez **10HOURS**
 b) Communication - Inviter et répondre ,à une invitation
 c) Grammaire -L'impératif ,Il faut, c'est/ il est,futureproche
 d) Verbes - Les verbes devoir, pouvoir, savoir, vouloir
 e) Lexique - Demander et dire le prix, Les services, Les moyens de paiement
 f) Culture - Le festival du mot

Unité- V a) Leçon - Tout le monde s'amuse, Les ados au quotidien **10 HOURS**
 b) Communication -Décrireune tenue , Écrire un message amical
 c) Grammaire -Les adjectifs demonstratives, La formation du féminin Le pronom indéfini on, passé composé'.
 d) Verbes - Les verbes du premier groupe en –yer, Les verbesvoir et sortir
 e) Lexique - Les sorties Situer dans le temps, La famille ,(2) Les vêtements et les accessoires
 f) Culture - Le pays des gourmands

TOTAL: 48 HOURS

REFERENCE BOOKS:

1. Cocton Marie –Noëlle , Duplex Dorothée, Heu Elodie , Kasazian Emilie, Ripaud Delphine, **Saison 1- Méthode de francais**, Didier, paris.2015.
2. Cocton Marie – Noëlle, Duplex, Heu Elodie, Kasazian Emilie ,RipaudDeldphin, **Saison 1 – Cahier d'activités** ,Dider ,Paris , 2015
3. Anne Akyüz,BernadetteBazelle- Shahmael,JoëlleBonenfant, Marie- Françoise Gliemenn,**Les exercices de grammaire**,Hachette FLE, Paris,2005
4. Christian Beaulieu, Je **pratique, Exercices de grammaire A1**, Dider,Paris,2015
5. Nathalie BIE, philippeSANTINAN,**Grammaire pour adolescents-250 exercices**, CLE International , Paris , 2005

WEBSITES :

1. [http:// enseigner.tv5 monde.com/](http://enseigner.tv5monde.com/)
2. bonjourdu monde.com /exercices/contenu/le – francais-du- tourisme.html
3. <http://www.bonjurdefrance.com/>
4. <https://www.lepointdufle.net/>

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Average	--	2.5	2.5	-	-	-	-	-	2	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:3 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Not required

COURSE OBJECTIVES(CO):

- Make the students to speak and write errors free English.
- Help the students develop their listening, speaking, reading and writing skills.
- Introducing literary works to the students to enhance their analytical and aesthetic skills.

COURSE OUTCOMES (COs)::

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Strengthen the foundation of the language.	Remember
CO2	Standardize and demonstrate understanding of LSRW skills.	Understand
CO3	Utilize fundamentals of language for reading, writing and Effective communication.	Apply
CO4	Enhancing the reading skill to build the leadership quality.	Apply
CO5	Develop the moral and aesthetic values.	Evaluate

UNIT-I**8 HOURS****LISTENING** : Listening for Pleasure**SPEAKING** : Developing speaking skills**READING** : Reading strategies**WRITING** : Developing a story with pictures**LITERATURE:** Refuge Mother and Child by Chinua Achebe (Poetry)**GRAMMAR** : Voice**UNIT- II****7 HOURS****LISTENING** : Listening for Pleasure (Story)**SPEAKING** : Oral presentation**READING** : Reading Passages**WRITING** : Essay writing**LITERATURE** : Prose: Dimensions of Creativity by A.P.J. Abdul Kalam(Story)**GRAMMAR** : Subject, verb, agreement**UNIT-III****7 HOURS****LISTENING** : Dictation**SPEAKING** : Public speaking and secrets of good delivery**READING** : Note Making

WRITING : Writing agendas, memos and minutes

LITERATURE : River by A.K. Ramanujan

GRAMMAR : Degrees of comparison

UNIT- IV

7 HOURS

LISTENING : Listening to instructions and announcements

SPEAKING : Debating

READING : Silent reading and methods of reading

WRITING : Writing Notices

LITERATURE : Two Gentlemen of Verona by A.J. Cronin

GRAMMAR : Phrases and clauses

UNIT-V

7 HOURS

LISTENING : Testing listening

SPEAKING : Situational Conversation

READING : Developing reading activities

WRITING : E - Mail Writing

LITERATURE : The Postmaster by Rabindranath Tagore

GRAMMAR : Direct and indirect speech

TOTAL: 36HOURS

TEXT BOOK

1. Board of Editors (2024), Acrostic II. Karpagam Academy of Higher Education

REFERENCE BOOKS:

1. *Martin's, St* (2013). *Oxford Handbook of Writing: Handbook of Writing*. Cambridge University Press.
2. Julian Treasure, *Sound Business*, (2012). Oxford University Press
3. Hornby, A.S. (1975). *The Guide to patterns and usage in English*: oxford university Press.
4. Ellis, R. (1990). *Instructed second language acquisition*. Oxford: oxford university Press.

WEB SITES:

1. <https://shortstoryproject.com/stories/the-postmaster/>
2. <https://www.gradesaver.com/rabindranath-tagore-short-stories/study-guide/summary-the-postmaster>

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Average	--	2.5	2.5	-	-	-	-	-	2	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:6 T:1 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

- Basic knowledge of Financial Accounting and fundamental accounting principles.

COURSE OBJECTIVES(CO):

- Understand the accounting procedures for partnerships during admission, retirement, and dissolution, including the treatment of goodwill and insolvency.
- Gain practical knowledge of calculating and accounting for fire claims.
- Develop skills in the overall accounting treatment specific to partnership firms.

COURSE OUTCOMES(COS):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Understand the concept of partnership and accounting Procedure at the time of admission of a partner.	Understand
CO2	Acquire knowledge on methods of computing goodwill	Understand
CO3	Gain knowledge on accounting treatment on dissolution of Partnership firm	Understand
CO4	Acquire knowledge on accounting treatment on insolvency of partners	Understand
CO5	Gain knowledge on steps in calculation of fire claims and acquire the practical exposure on accounting treatment of Partnership firms	Understand

UNIT I PARTNERSHIP**14 HOURS**

Partnership: Meaning – Definition –Partnership Deed – Interest on Capital – Partners Capital and Current Account - Admission of a Partner - Treatment of Goodwill - Revaluation of Assets and Liabilities - Calculation of Ratios for Distribution of Profits - Capital Adjustments.

UNIT II RETIREMENT OF PARTNER**14 HOURS**

Retirement of Partner- Calculation of Gaining Ratio-Revaluation of Assets and Liabilities Treatment of Goodwill–Adjustment of Goodwill through Capital A/c only- Settlement of Accounts - Retiring Partner’s Loan Account with equal Installments only – Death of a Partner.

UNIT III DISSOLUTION**14 HOURS**

Dissolution– Modes of Dissolution - Settlement of Accounts of Dissolution – Accounting entries regarding Dissolution – Garner Vs Murray rule – Fixed Capital Method – Fluctuating Capital Method – Application of Garner Vs Murray rule in India.

UNIT IV INSOLVENCY OF PARTNERS**15 HOURS**

Insolvency of Partners–Meaning – Statement of Affairs - Deficiency Account– Distinction between Insolvency of an Individual and Partnership firm - Piecemeal Distribution - Proportionate Capital Method– Maximum loss method.

UNIT V FIRE CLAIMS

15 HOURS

Fire Claims – Fire Insurance - Need – Important Terms – Steps in calculation of claims – Gross Profit Ratio – Memorandum Trading Account –Amount of Claim Average Clause –Over Valuation and Under Valuation of Stock – Loss of Profit.

TOTAL: 84 HOURS

Note:Theory 20% and Problems 80%

TEXT BOOKS:

1. Jain,S.P.and Narang(2018),*Financial Accounting*, KalyaniPublishers, Ludhiana
2. Shukla, M.C. Grewal, T.S. and Gupta, S.C. (2016),*Advanced Accounts*, Sultan Chand and Sons, New Delhi
3. Gupta,R.L., (2014),*AdvancedAccountancy*. SultanChandandSons,New Delhi
4. Maheswari, S.N., CA Sharad, K. Maheswari and K. Maheswari
5. Suneel (2017),*Advanced Accounting*. Vikas Publishing House Pvt. Ltd., New Delhi.
6. Arulanandam,M.A.,&Raman,K.S.(2016),*AdvancedAccountancy*,VikasPublishers, New Delhi.
7. Gupta, R.L., & Rathaswamy. (2014), *Advanced Accounting*. Sultan Chand & Sons,New Delhi.
8. https://swayam.gov.in/nd2_cec20_mg16/preview

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	2	3	3	-	1	3	3	-	-	-	-	-	-	-	1
CO1	3	-	2	3	3	2	-	3	3	-	-	-	-	-	-	-	1
CO3	3	-	2	3	3	2	-	3	3	-	-	-	1	-	-	-	1
CO4	3	-	2	3	3	2	-	3	3	-	-	-	1	-	-	-	1
CO5	3	-	-	3	3	2	-	3	3	1	-	-	-	-	-	-	1
Average	3	-	2	3	3	2	1	3	3	1	-	-	1	-	-	-	1

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

PREREQUISITE:

- Basic understanding of computer programming and internet technologies.

COURSE OBJECTIVES(CO):

- Understand the concepts and architecture of the World Wide Web.
- Learn and practice web programming technologies, including markup languages and scripting.
- Develop skills in object-oriented scripting and client-side dynamic scripting.

COURSE OUTCOMES(COS):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Understand the concepts and architecture of the World Wide Web	Understand
CO2	Apply mark up languages such as HTML and XML	Apply
CO3	Analyze the various technologies used in web programming	Analyze
CO4	Evaluate the importance of object-oriented aspects of scripting languages	Evaluate
CO5	Create interactive and dynamic web pages using client-side scripting technologies	Create

Unit I – HTML**9 HOURS**

What is HTML -HTML Documents -Basic structure of an HTML document -Creating an HTML document - Mark up Tags -Heading-Paragraphs - Line Breaks - HTML Tags.Introduction to elements of HTML- Working with Text - Working with Lists, Tables -Working with Hyperlinks, Images and Multimedia.

Unit II – FRAMES**9 HOURS**

Introduction to Frame, <frameset> and <frame> Tag with its Attributes, Creating Frames, Linking Frames, <noframes> tag, Complex Framesets, Floating or Inline Frame. Forms : <Form> Tag and its Attributes, <Input> Tag and its Attributes, Form Controls: Text Controls, Password Fields, Radio Buttons, Checkboxes, Reset and Submit Buttons, Form Control Selection, Option Processing and Text Area, Hidden Fields. Embedding Multimedia: Introduction, Embedding Multimedia, Inserting Sound/Audio Formats,

Inserting Video File Formats.

Unit III - CSS

10 HOURS

Concept of CSS- Creating Style Sheet - CSS Properties -CSS Styling: Background-Text Format- Controlling Fonts - Working with block elements and objects - Working with Lists and Tables - CSS Id and Class - Box Model: Introduction- Border properties- Padding Properties- Margin properties - CSS

Unit IV – JAVA SCRIPT PROGRAMMING

10 HOURS

Introduction to JavaScript: Utility of JavaScript-Evolution of the JavaScript Language- JavaScript Versions and Browser Support- Differences Between Client-Side vs. Server-Side JavaScript-Statements and Operators-Variable Declarations- Operators and Statements- Operator Precedence- Implementing Control Constructs: Conditional and Looping Constructs-

Unit V – JAVA SCRIPT OBJECTS

10 HOURS

The JavaScript Object Model and Hierarchy- JavaScript Object Properties-Object Methods- New Keyword- This Keyword- Creating New Object Instances Using Constructor Functions- String- Date and Array Objects- Construction of Custom Objects with Individual Properties and Methods.

TOTAL HOURS:48

TEXT BOOKS:

1. “Web Coding & Development All-in-One For Dummies”,Paul McFedries ,2018
“Fundamentals of Web Development” ,Randy Connolly, Ricardo Hoar ,2017
2. Principles of web design.,Joel sklar,sixth edition,2015
3. “HTML and CSS: Design and Build Websites” ,Jon Duckett,2014
4. Thomas A Powell, Fritz Schneider, “JavaScript: The Complete Reference”, Third Edition, Tata McGraw Hill, 2013

WEBSITES

1. [http://www. freeCodeCamp Guides.com/](http://www.freeCodeCamp Guides.com/)
2. <http://www. Codrops CSS Reference/>
3. <https://developer.mozilla.org/enUS/docs/Web/JavaScript/Guide.>
4. <http://www.w3schools.com.>

5. <https://nptel.ac.in/courses/106105084/>

6. <https://freevideolectures.com/blog/webdesign-online-courses-and-video-lectures/>

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
CO1	3	-	-	-	-	-	-	-	-	-	2	-	-	-	3	1	1
CO3	3	-	2	-	2	-	-	-	-	-	2	-	-	-	-	-	1
CO4	3	-	-	-	2	-	-	-	1	-	-	-	-	-	3	1	1
CO5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	1
Average	3	-	2	-	2	-	-	-	1	-	2	-	-	-	3	1	1

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

PREREQUISITE:

- Basic understanding of computer programming.

COURSE OBJECTIVES(CO):

- Understand HTML basics, including formatting elements, lists, images, and links.
- Develop skills in creating tables, forms, and using frames in HTML.
- Learn to integrate JavaScript for dynamic and interactive web content.

COURSE OUTCOMES(COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	BloomsLevel
CO1	Understand HTML document structures and formatting techniques.	Understand
CO2	Apply HTML to create documents with lists, images, and links.	Apply
CO3	Analyze the use of tables, forms, and frames in HTML documents.	Analyze
CO4	Evaluate the functionality of HTML forms with various input controls.	Evaluate
CO5	Create interactive web pages using HTML and JavaScript for dynamic content.	Create

LIST OF PROGRAMS

1. Create HTML document with following formatting – Bold, Italics, Underline, Colors, Headings, Title, Font and Font Width, Background, Paragraph, Line Brakes, Horizontal Line, Blinking text as well as marquee text. **3 HOURS**
2. Create HTML document with Ordered and Unordered lists, Inserting Images, Internal and External linking **3 HOURS**
3. Create HTML document with Table

4. Create Form with Input Type, Select and Text Area in HTML. **3 HOURS**
5. Create an HTML containing Roll No., student’s name and Grades in a tabular form. **3 HOURS**
6. Create an HTML document (having two frames) which will appear as follows **3 HOURS**

About	This frame would show the contents according to the link clicked by the user on the left frame.
Department 1	
Department 2	
Department 3	

7. Create an HTML document containing horizontal frames as follows **3 HOURS**

Department Names (could be along with Logos)
Contents according to the Link clicked

8. Create a website of 6 – 7 pages with different effects as mentioned in above problems. **3 HOURS**

9. Create HTML documents (having multiple frames) in the following three formats **3 HOURS**

Frame1
Frame2

Frame1	
Frame2	Frame3

10. Create a form using HTML which has the following types of controls: **3 HOURS**

V. Text Box

VI. Option/radio buttons

VII. Check boxes

VIII. Reset and Submit buttons

List of Programs using JavaScript: Create event driven program for following:

11. Print a table of numbers from 5 to 15 and their squares and cubes using alert. **3 HOURS**

12. Print the largest of three numbers. 81 **3 HOURS**

13. Find the factorial of a number n. **3 HOURS**

14. Enter a list of positive numbers terminated by Zero. Find the sum and average of these numbers. **3 HOURS**

15. A person deposits Rs 1000 in a fixed account yielding 5% interest. Compute the amount in the account at the end of each year for n years. **5 HOURS**

TOTAL: 48 HOURS

TEXT BOOKS:

1. “Web Coding & Development All-in-One For Dummies”, Paul McFedries, 2018
“Fundamentals of Web Development”, Randy Connolly, Ricardo Hoar, 2017
2. Principles of web design., Joel sklar, sixth edition, 2015
3. “HTML and CSS: Design and Build Websites”, Jon Duckett, 2014

4. Thomas A Powell, Fritz Schneider, “JavaScript: The Complete Reference”, Third Edition, Tata McGraw Hill, 2013

WEBSITES

1. [http://www. freeCodeCamp Guides.com/](http://www.freeCodeCamp Guides.com/)
2. <http://www. Codrops CSS Reference/>
3. <https://developer.mozilla.org/enUS/docs/Web/JavaScript/Guide.>
4. <http://www.w3schools.com.>

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	3
CO1	3	-	3	-	-	-	-	-	2	-	-	-	-	-	3	1	3
CO3	3	-	3	-	-	-	-	-	2	-	-	-	-	-	3	1	3
CO4	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	3
CO5	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	1	3
Average	3	-	3	-	1	-	-	-	2	-	-	-	-	-	3	1	3

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:0 T:0 P:6**Marks: Internal:40 External:60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:**

- Basic understanding of accounting principles and computer usage.

COURSE OBJECTIVES(CO):

- Understand accounts heads, vouching, inventory valuation, TDS, payroll processes, and GST invoices in accounting software.
- Learn to classify items under appropriate heads and generate financial, TDS, and payroll reports.
- Develop skills in communicating outputs, evaluating reports, and applying computerized accounting systems for lifelong learning.

COURSE OUTCOMES(COs):**Upon completion of this course, the students will be able to:**

Cos	COURSE OUTCOMES(COs):	Blooms Level
CO1	Familiarize on the account's heads, vouching, inventory valuations, TDS and Payroll process available in the Accounting software	Understand
CO2	Classify the items under items heads	Analyze
CO3	Generate the financial Reports, TDS and payroll reports And evaluate the output.	Evaluate
CO4	To enter the different types GST invoices in tally	Apply
CO5	Communicate the outputs in written form identifying the objective and outcome of each exercise and to apply the Utilization of computerized system as a lifelong learning	Apply

LIST OF EXERCISES

1. Create a Company and Ledgers in Tally. **8 HOURS**
2. Create an Accounting voucher with example in tally. **8 HOURS**
3. Create different types of GST Invoices in Tally. **8 HOURS**
4. Create Debit/Credit Notes, Memorandum and Post-Dated Vouchers in Tally **8 HOURS**
5. Create Stock Group, Stock Items and Unit of Measurement in Tally. **8 HOURS**
6. Create an Inventory and Manufacturing Vouchers. **8 HOURS**
7. Prepare Balance Sheet, Profit/Loss Account, Stock Summary and Ratio Analysis in Tally **8 HOURS**
8. Create a payroll in tally with suitable example. **8 HOURS**
9. Do the following exercise with the example that given below **8 HOURS**
 - ❖ Create a company in Tally by your name.
 - ❖ Create 3stock items named milk, roti and mobile. Opening balances of these 3 stockitemswouldbemilk–10liters, roti–20 pieces and mobile – 5 numbers.
 - ❖ Now, create sales ledgers– onefor28% GST rate and onefor5% GST rate.
 - ❖ Also, create purchase ledgers in the same way each of 28% GST and 5% GST.
 - ❖ Create sundry debtor outside your state and 1 sundry debtor inside your

- state.
- ❖ Similarly, create 1 sundry creditor outside your state and 1 sundry creditor inside your state.
 - ❖ Now, create GST Taxation ledgers for CGST, SGST and IGST for input as well as output taxation of GST. Totally, there will be 6 GST taxation ledgers.
 - ❖ Now, create a purchase entry in which you will purchase 5 liters of milk at 5% GST rate for Rs.50 per liter, 5 pieces of roti for Rs.10 per piece and 3 numbers of mobile for Rs. 25,000 per mobile.
 - ❖ GST rate for roti and mobile is 28%. Purchase this from inside your state.
 - ❖ Also, fill in the E-Way bill details.
 - ❖ Now, create a sales entry. Sell all the milk at Rs.55 per liter with the same rate of GST as it was purchased. Sell 20 pieces of roti at Rs.20 per piece and 1 mobile phone at Rs. 50,000 per mobile at the same rates of GST as it was purchased.
 - ❖ This sale will be outside the state. Also, fill in the E-Waybill details.
 - ❖ Now, check the profit and loss account and see what is the total value of sales for 5% GST
 - ❖ Go to Stock Summary and see what the gross profit on sales of milk is under the FIFO and LIFO methodologies of stock valuation.
 - ❖ Check the Ratio Analysis and see what the current ratio and quick ratio are.

TOTAL HOURS:72

REFERENCES:

1. Tally education, (2018), Official Guide to Financial Accounting Using Tally. ERP 9 with GST (Release 6.4), 4th revised and updated edition, BPB Publications; New Delhi
2. Asok K. Nadhani (2018), Tally ERP Training Guide-4th edition, BPB Publications; New Delhi
3. Sajee Kurian, (2017) Learning Tally ERP 9 with GST, 1st edition, Blessings Inc, Mumbai.
4. Ajay Maheshwari and Shubham Maheshwari (2017), Implementing GST in Tally.ERP 9, 1st edition, Tally E-Learning.
5. Shraddha Singh, Navneet Mehra(2014), Tally ERP9 (Power of Simplicity): Software for Business and Accounts, V&S Publishers, New Delhi

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	1	3	3	3	-	-	-	3	-	-	-	-	-	1	2
CO1	3	-	-	3	3	3	-	-	-	-	-	-	-	-	-	1	2
CO3	3	2	-	3	3	3	-	-	2	-	-	-	-	-	-	1	2
CO4	3	-	-	3	3		-	-		3	-	-	-	-	-	1	2
CO5	-	2	-	-	-	-	-	-	2	3	1	-	-	-	1	1	2
Average	3	2	1	3	3	3	-	-	2	3	1	-	-	-	1	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

PREREQUISITE: Student should know about fundamentals of environment.

COURSE OBJECTIVES(CO):

- Create awareness about structure and functions of various ecosystems.
- Develop an attitude of concern for the natural resources availability and its environment protection.
- Learn about the environment, resources available, biodiversity and its conservation and to find ways for protection and betterment of or habitat.

COURSE OUTCOMES (COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Define the structure and functions of various ecosystems	Remeber
CO2	Learn the ethical,cross-cultural, and historical context of natural resources and the methods for conservation	Understand
CO3	Predict current scenarios and find ways for the protection and betterment of habitat	Analyze
CO4	Analyze the interactions between social and environmental problems	Apply
CO5	Develop systems concepts and methodologies to analyze and understand Interactions between social and Environmental processes	Create

UNIT I - INTRODUCTION-ENVIRONMENTALSTUDIES&ECOSYSTEMS:

5HOURS

Environment: Definition, scope, and importance - Ecosystem: Structure, classification, and functions - Energy flow - Food chains and food webs - Ecological succession - Forest ecosystem - Grassland ecosystem - Desert ecosystem - Aquatic ecosystems: Ponds, streams, lakes, rivers, oceans, estuaries.

UNIT II – NATURAL RESOURCES-RENEWABLE AND NON-RENEWABLE RESOURCES

5 HOURS

Natural resources: Renewable and Non-renewable resources - Land resources - Land degradation, desertification - Forest resources - Deforestation: Causes and impacts due to mining - Water resources - Use and over-exploitation of surface and groundwater.

UNIT III BIODIVERSITY AND ITS CONSERVATION:

5 HOURS

Conservation of biodiversity: In-situ and ex-situ conservation of biodiversity - Values of biodiversity: Ecological, economic, social, ethical, aesthetic value - Biogeographical classification of India - Hotspots of biodiversity - Endangered and endemic species of India - Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts.

UNIT IV ENVIRONMENTAL POLLUTION:**4 HOURS**

Definition, causes, effects, and control measures of air pollution, water pollution, soil pollution, and noise pollution. Nuclear hazards and human health risks.

UNIT V SOCIAL ISSUES AND THE ENVIRONMENT:**5 HOURS**

Concept of sustainability and sustainable development. Climate change, global warming, ozone layer depletion, acid rain, and its impacts on human communities and agriculture.

Environment Laws: Environment Protection Act, Air Act, Water Act, Wildlife Protection Act, Forest Conservation Act.

TOTAL: 24 HOURS**TEXT BOOKS:**

1. Anonymous. 2004. *A Textbook for Environmental Studies*, University Grants Commission and Bharat Vidya Peeth Institute of Environmental Education Research, New Delhi.
2. Anubha Kaushik, and Kaushik, C.P. (2008). *Perspectives in Environmental Studies*, 3rd Edition, New Age International Pvt. Ltd. Publications, New Delhi.
3. Arvind Kumar, (2009). *A Textbook of Environmental Science*, APH Publishing Corporation, New Delhi.
4. Mishra, D.D, (2010). *Fundamental Concepts in Environmental Studies*. S. Chand & Company Pvt. Ltd., New Delhi.
5. Odum, E.P., Odum, H.T. and Andrews, J. (1971). *Fundamentals of Ecology*, Philadelphia: Saunders.
6. Sing, J.S., Sing, S.P. and Gupta, S.R. (2014). *Ecology, Environmental Science and Conservation*, S. Chand & Publishing Company, New Delhi.
7. Tripathy, S.N., and Sunakar Panda. (2011). *Fundamentals of Environmental Studies*, 3rd Edition, Vrianda Publications Private Ltd, New Delhi.
8. Uberoi, N.K. (2010). *Environmental Studies*, 2nd Edition, Excel Books Publications, New Delhi.

REFERENCE BOOKS:

1. Botkin, and Keller, (2014). *Environmental Science: Earth as a Living Planet*. 9th Edition, Wiley
2. Rajagopalan, R. (2016). *Environmental Studies: From Crisis to Cure*, Oxford University Press.
3. Singh, M.P., Singh, B.S., and Soma, S. Dey, (2004). *Conservation of Biodiversity and Natural Resources*, Daya Publishing House, New Delhi.
4. Verma, P.S., and Agarwal V.K (2016). *Environmental Biology (Principles of Ecology)*. S. Chand and Company Ltd, New Delhi.
5. Bruce Rittmann and Perry Mc Carty, *Environmental Biotechnology: Principles and Applications*, (2020). 2nd Edition.

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	-	-	-	2	2	-	2	2	2	-	2	2	2
CO2	3	-	-	-	-	-	-	2	2	-	2	2	2	-	2	2	2
CO3	3	-	-	-	-	-	-	2	2	-	2	2	2	-	2	2	2
CO4	3	-	-	-	-	-	-	2	2	-	2	2	2	-	2	2	2
CO5	3	-	-	-	-	-	-	2	2	-	2	2	2	-	2	2	2
Avg	3	-	-	-	-	-	-	2	2	-	2	2	2	-	2	2	2

1-Low; 2-Medium; 3-Strong; '-' No correlation

பாடத்திட்டப் பொதுநோக்கம்

- வரலாற்றுக்கு முற்பட்ட தமிழகத்தின் சிறப்பை அறியச்செய்தல்.
- தமிழின் தொன்மையை மாணர்களுக்கு எடுத்துரைத்தல்.
- பழந்தமிழர் வாழ்க்கை முறையை உணர்த்துதல்.

பாடத்திட்டப் பயன்விளைவு

- தமிழ்மொழி வரலாறு குறித்த தெளிந்த அறிவு பெற்றிருத்தல்.
- தமிழரின் மரபு சார்ந்த மொழியின் செல்வாக்கை அறிதல்.
- பழந்தமிழ் இலக்கியங்களின்வழி பண்பாடு கலாச்சாரம் போன்றவற்றை அறிதல்.
- ஐவகை நிலஅமைப்பு, வாழ்வியல் ஒழுக்கலாறுகளைப் பெற்றிருத்தல்.
- இலக்கியங்களின்வழி கலைகளின் வளர்ச்சி மற்றும் அமைப்பு முறையை அறிதல்.

அலகு - I வரலாற்றுக்கு முற்பட்ட தமிழகமும் சங்ககால வரலாறும்**(8 மணிநேரம்)**

வரலாறும் நிலஅமைப்பும் - வரலாற்றின் செல்வாக்கு - பல்வேறு காலங்களில் வரலாறு உண்டாக்கிய நாட்டுப் பிரிவுகள் - பழைய கற்காலம் - புதிய கற்காலம் - இரும்புக் காலம்.

அலகு - 2 தமிழின் தொன்மை**(12 மணிநேரம்)**

தமிழ் தோன்றிய இடம் - குமரிக்கண்டத் தமிழ் நாடுகள் - தமிழ் என்னும் பெயர் வரலாறு - திராவிட மொழிக்குடும்பம் - தமிழ்மொழிச் சிறப்பு - தமிழுக்குத் தமிழ் நாட்டவர் செய்ய வேண்டியவை - தமிழுக்கு வெளிநாட்டிற் செய்ய வேண்டியவை

அலகு - 3 தமிழர் வாழ்வியல்**(10 மணிநேரம்)**

ஐவகை நிலங்கள் - களவு வாழ்க்கை - கற்பு வாழ்க்கை - அரசர் கடமை - கல்வி நிலை - தொழில் நிலை - ஆடவர் நிலை - பெண்டிர் நிலை

அலகு - 4 கட்டடக்கலையும் தமிழர் பண்பாடும்**(10 மணிநேரம்)**

கட்டடக்கலை தோற்றுவாய் - முதற்கலை - கட்டடக்கலையின்

பழைமை – புதிய கற்காலம் – சங்ககாலம் – கோயில்கள் – அரண்மனைகள் – கோட்டைகள் – வீடுகள் – நீர்ப்பாசனக் கட்டடக்கலை – தமிழர் கட்டடக்கலையின் தனிச்சிறப்பு

அலகு – 5 ஆற்றங்கரை நாகரிகம் (8 மணிநேரம்)

ஆறும் நாகரிகமும் – ஆறுகளின் தோற்றமும் நீளமும் – காவிரிக்கரை நாகரிகம் – இலக்கியச் சிறப்பு – கலைச்சிறப்பு – வைகைக்கரை நாகரிகம் – இலக்கியச் சிறப்பு – கலைச்சிறப்பு , நொய்யல்கரை நாகரிகம்.

மொத்த மணிநேரம் :48

பார்வை நூல்கள்

1. முனைவர் அரங்க இராமலிங்கம் (பதிப்பாசிரியர்), தமிழர் நாகரிகமும் தமிழ் மொழிவரலாறும் (தொகுதி -1, 6, 2, 5, 10), வர்த்தமானன் பதிப்பகம், தியாகராயநகர், சென்னை-17.
2. கே.கே.பிள்ளை, தமிழக வரலாறு மக்களும் பண்பாடும், உலகத்தமிழ் ஆராய்ச்சி நிறுவனம் தரமணி, சென்னை-13.
3. நா.வானமாமலை, தமிழர் வரலாறும் பண்பாடும், நியூசெஞ்சுரி புக்ஹவுஸ், சென்னை -98.

இணையதளம்

1. www.tvu.org.in
2. www.maduraitamilproject.com

இதழ்கள்

1. International Research Journal of Indian Literature, irjil.in
2. International Tamil Research Journal, iorpress.in

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.6	2.6	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE: Not Required

COURSE OBJECTIVES(CO):

- Knowledge of contemporary drama contents of Hindi literature
- Learn novels and its techniques. The ability to read novels and express criticism about it and the ability to express social thoughts will improve
- There will also be litigation messages in Hindi and news on speech techniques

COURSE OUTCOMES (COs):

- Develop an interest in the appreciation of literature.
- Discuss and respond to content of a reading passage.
- Learning the literacy knowledge of Hindi specially reading and writing.
- Learning the literary knowledge specially reading and understanding of Hindi short Stories
- Learning the history of Hindi literature

UNIT-I	a) Story – Bade Ghar Ki Beti b) Hindi Bhasha Ka Vikas c) Novel – Ramnath, Jalpa d) Letter Writing – Personal Letter	10 HOURS
UNIT-II	a) Story – Puraskar b) Kaal Vibhajan , Char Prakar c) Ramesh Babu , Devdeen d) Letter Writing – Leave Letter	10 HOURS
UNIT-III	a) Story – Usne Kaha Tha b) Literature – Adhikaal c) Indhubhooshan, Rathna, Johra d) Letter Writing – Letter for the Publisher	10 HOURS
UNIT-IV	a) Story – Paanchminte b) Poorva Madhya Kaal c) Manibhooshan, Dhayanath, Rameshwari d) Letter Writing – Application for job	10 HOURS

- UNIT-V**
- a) Story – kafan
 - b) Reethi Kaal, Adhunik Kaal
 - c) Dheen Dhayal, Manaki,
 - d) Letter Writing – Complaint Letter

8 HOURS

TOTAL HOURS: 48

REFERENCE BOOKS

1. Story : Kahani Manjari
Publisher : D.B.Hindi Prachar Sabha T.Nagar , Chennai – 600017
2. History of Hindi
Literature : Hindi Sahithya ka Saral Ithihas
Writer : Rajnath Sharma.A
Publisher : Vinoth Pusthak Mandir Agra – 02
3. Novel : Gaban
Writer : Premchandh
Publisher : Rajkamal Prakashan New Delhi – 110002
4. Letter Writing : Sumitha Hindi Nibandh Aur Pathra Lekhan
Writer : Sri Sharan
Publisher : Kalda Publication Mukhar Ji Nagar, Delhi - 09

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	2	3	3	-	-	-	-	-	-	-	-	-	-	-		-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-		-	-
CO3	2	2	3	-	-	-	-	-	-	-	-	-	-	-		-	-
CO4	3	3	2	-	-	-	-	-	-	-	-	-	-	-		-	-
CO5	3	2	3	-	-	-	-	-	-	-	-	-	-	-		-	-
Average	2.6	2.6	2.8	-	-	-	-	-	-	-	-	-	-	-		-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Not required

COURSE OBJECTIVES(CO)(CO) (CO):

- May have knowledge of the contents of primitive poetry Learn about contemporary poetry and its techniques.
- Interest in reading poetry and the ability to express social thoughts will improve
- This will help you to understand the basics of Malayalam Poetry and to understand Malayalam literature properly

COURSE OUTCOME (COs):

- Get a basic knowledge of the history of Malayalam literature.
- Enhances the art and taste of Malayalam literary works
- Literary genres can be learned
- Create more to read and enjoy Malayalam poetry
- Get the basic Knowledge of poetry techniques

Unit No	PART I – MALAYALAM III	Hours
I	Poetry – Chinthavishtayaya Seetha	10
II	Poetry – Chinthavishtayaya Seetha	10
III	Poetry – Mrugasikshakan-(Murgasikshakan,Kausalya,Varavu,Vittupoku Ekalavyan,Mazha) 6 poetries	10
IV	Poetry – Mrugasikshakan-(Kayal,Karkkadakam,Bhagavatham,Vazhivakkilenaikutty,Edavelayil oru nimisham,Verumoru kathu) 6 poetries	09
V	Poetry – Aayisha	09
	TOTAL	48

TEXT BOOKS:

1. Chinthavishtayaya Seetha –Kumaranasan,Kerala Book Store Publishers.
2. Mrugasikshakan – Vijayalakshmi,DC Books, Kottayam
3. Aayisha – VayalarRamavarma - Kerala Book Store Publishers

REFERENCE BOOKS:

1. Kavitha SahithyaCharitram-Dr.M.Leelavathi (Kerala SahithyaAcademy,Trichur)
2. Kavitha Dwani-Dr.M.Leelavathi (D.C.Books, Kottayam)
3. Aadhunika SahithyacharithramPrasthanangalilude-Dr.K.M.George (D.C.Books, Kottayam)
4. Padya SahithyaCharithram – T.M.Chummar (Kerala SahithyaAcademy,Trichur)

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	3	2.5	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE: Not required

COURSE OBJECTIVES (CO):

- The fundamental objective of the curriculum is to impart effective science education at the undergraduate level, exposing them to recent trends and developments in the subject.
- Creating scientific temper is another major objective of this curriculum.
- Another major thrust given here is to develop an environmental concern in all activities of the students. ‘Go green’, the motto of the syllabus emphasizes the urgent need to conserve nature without destruction of natural resources.

COURSE OUTCOMES (COs):

- **Critical Thinking:** Take informed actions after identifying the assumptions that frame students’ thinking and actions.
- **Problem Solving:** Understand and solve problems of relevance to society to meet the specified needs using the knowledge, skills and attitudes acquired.
- **Effective Communication:** Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
- **Effective Citizenship:** Demonstrate empathetic social concern and equity centered national development.
- **Environment and Sustainability:** Understand the issues of environmental contexts and sustainable development.

UNIT I

History of Sanskrit Drama and its origin. **10 HOURS**

UNIT II

Important Sanskrit Dramas and important authors. **10 HOURS**

UNIT III

Text Prescribed: “Dutavakyam” of Bhasa, (First half) **10 HOURS**

UNIT IV

Text Prescribed: “Dutavakyam” of Bhasa, (Second half) **9 HOURS**

UNIT V

Translation : From the known passages of the above text. **9 HOURS**

TOTAL HOURS: 48

TEXT BOOK :

1. “Dutavakyam of Bhasa” R.S.Vadhyar and Sons Palghat, Kerala.

CO, PO, PSO Mapping

CO	PO1	PO2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PSO 1	PSO 2
CO1	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.6	2.6	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE: Not Required

COURSE OBJECTIVES(CO):

- Enable students to recognize native accent and usage of French language.
- Help students to become autonomous and self-directed French language learners.
- Produce entrepreneurs among students by making them French language trainers and take communicative French to schools and colleges around.

COURSE OUTCOMES (COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Identify new words by employing vocabulary building techniques.	Apply
CO2	Build correct sentence structures and grammatical patterns in oral and written communication	Apply
CO3	develop the ability to speak French language with the way of pronunciation.	Understand
CO4	Follow leadership, work ethics and management principles	Analyze
CO5	express values and skills gained through effective communication to other disciplines.	Analyze

- Unité – I**
- a) Leçon – Vivre la ville,,Visiter une ville
 - b) Communication - Indiquer le chemin
 - c) Grammaire - La comparaison,Les prépositions avec les noms géographiques,Les pronoms personnels COI
 - d) Lexique –La ville, Les lieux de la ville, Les transports
 - e) Culture – Le français : une ouverture sur le monde **10 HOURS**
- Unité – II**
- a) Leçon -• On vend ou on garde ?
 - b) Communication -Demander des renseignements touristiques
 - c) – Grammaire - Le pronom y (le lieu), La position des pronoms complémentsLes verbes du premier groupe en -ger et -cer,
 - d) Les verbes ouvrir et accueillir
 - e) Lexique - Les points cardinaux,Les prépositions de lieu (2)
 - f) Culture –Le français : une ouverture sur le monde **10 HOURS**
- Unité – III**
- a) Leçon -
 - b) Communication- permettre,defendre.
 - c) Grammaire -La formation du pluriel (2)
Les adjectifs de couler, Les adjectifs beau, nouveau, vieux
 - d) Lexique - Les couleurs, Les formes,Les me

e) culture – les grandes fleuves en Français. **10 HOURS**

Unité – IV

a) Leçon – Félicitations !
 b) Communication - Décrire un objet
 c) Grammaire - Les pronoms relatifs qui et que,
 L'imparfait, Les verbes connaître, écrire, mettre et vendre
 d) Lexique – Les mesures, L'informatique
 DIRE, LIRE, ECRIRE , Les sons [E] / [O] / [œ]
 e) Culture – Les lieux de la ville. **9 HOURS**

Unité - V

a) Leçon -En voyage !
 b) Communication -• Présenter ses vœux, Faire une réservation
 c) Grammaire - Les pronoms démonstratifs,La question avec Inversion,Les
 adverbes de manière,
 d) Lexique -Les voyages,L'aéroport et l'avion,Les fêtes
 e) Culture –Noël **9 HOURS**

TOTAL HOURS: 48

REFERENCE BOOKS:

- Cocton Marie –Noëlle , Duplex Dorothée, Heu Elodie , Kasazian Emilie, Ripaud Delphine, **Saison 1- Méthode de français**, Didier, paris.2015.
- Cocton Marie – Noëlle, Duplex, Heu Elodie, Kasazian Emilie ,Ripaud Deldphin, **Saison 1 –**
- **Cahier d'activites** , Dider ,Paris , 2015
- Anne Akyüz,Bernadette Bazelle- Shahmael,JoëlleBonenfant, **Marie- Françoise Gliemenn,Les exercices de grammaire,Hachette FLE, Paris,2005**
- Christian Beaulieu, **Je pratique**, Exercices de grammaire A1, Dider,Paris,2015
- Nathalie BIE, philippe SANTINAN,**Grammaire pour adolescents-250 exercices, CLE International , Paris , 2005**

WEBSITES :

- <http://enseigner.tv5monde.com/>
- [bonjourdumonde.com /exercices/contenu/le – francais-du- tourisme.html](http://bonjourdumonde.com/exercices/contenu/le-francais-du-tourisme.html)
- <http://www.bonjurdefrance.com/>
- <https://www.lepointdufle.net/>

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	3	2.5	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:3 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

- Basic understanding of English language fundamentals.

COURSE OBJECTIVES (CO):

- Learn correct pronunciation, spelling, meaning, and usage of English vocabulary.
- Improve English proficiency through language practice and exposure to native speakers.
- Enable students to translate and become English language trainers, promoting communicative English in schools and colleges.

COURSE OUTCOMES(COs):

Upon completion of this course, the students will be able to:

COs	Course Outcomes (COs)	Blooms Level
CO1	Identify new words by employing vocabulary building techniques.	Apply
CO2	Build correct sentence structures and grammatical patterns in oral and written communication	Apply
CO3	develop the ability to speak English language with the correct pronunciation.	Understand
CO4	Follow leadership, work ethics and management principles	Analyze
CO5	express values and skills gained through effective communication to other disciplines.	Analyze

UNIT-I LISTENING**8 HOURS****LISTENING:**Listening Comprehension-Listening for Specific Information-Interpreting Charts and Diagrams**UNIT-II SPEAKING****7 HOURS****SPEAKING:**Essentials of effective Communication-Telephone Skills: Understanding Telephone Conversation-Handling Calls-Leaving Messages-Making Requests-Giving Instructions and Orders.**UNIT-III READING****7 HOURS****READING:**Reading with a purpose-Skimming and Scanning-Locating Main Points-Reading Critically- Sequencing of Sentences-Reading Comprehension**UNIT-IV WRITING****7 HOURS****WRITING:**Descriptive and Narrative –Safety Instructions - Suggestions-Expansion of Abbreviations -Spellings Rules Translation-Translating Short

Sentences and Passages from English to Tamil

UNIT-V VOCABULARY

7 HOURS

VOCABULARY: Synonyms-Antonyms-Prefixes-Suffixes-Idioms-Different Types of English-Homonyms and Homophones (British and American)

TOTAL HOURS:36

TEXT BOOKS:

Oxford Handbook of Writing: St. Martins Handbook of Writing 2013 Cambridge University Press
 Wren & Martin, 2008, *High School English Grammar & Composition*, S.Chand & Company Ltd,
 Board of Editors, Krashen, Stephen D(1982) Principles and practice in second language acquisition. New York: Pergamon Press.

CO, PO, PSO Mapping

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	3	2.5	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:5 T:1 P:0**Marks: Internal:40 External:60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:**

- Basic knowledge of corporate accounting principles.

COURSE OBJECTIVES(CO):

- Understand the procedures for issuing shares, debentures, and accounting for company reconstruction.
- Learn the procedures for amalgamation, absorption, and liquidation of companies.
- Develop skills in preparing financial statements for companies.

COURSE OUTCOMES(COs):**Upon completion of this course, the students will be able to:**

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Understand procedures for issue of shares and debentures	Understand
CO2	Learn procedures for amalgamation and absorption of companies	Understand
CO3	Understand accounting treatment for reconstruction of companies	Apply
CO4	Prepare financial statement of companies	Understand
CO5	Learn procedure for liquidation of companies	Understand

UNIT I SHARE CAPITAL AND DEBENTURES**19 HOURS**

Company - Introduction to Companies and Types of Companies –**Share Capital and Debentures** - Share – Meaning – Types – Share Vs Stock - Issue of Shares- at Par and Premium– Allotment of Shares on Pro-rata Basis - Forfeiture and Reissue of Shares- Full and Partial Re-issue-Capital Reserve on Forfeiture - Concepts of Bonus /Rights issues and Buy Back of Shares.

UNIT II AMALGAMATION AND ABSORPTION OF COMPANIES**19 HOURS**

Amalgamation, Absorption of companies Accounting for Amalgamation (AS14) – types of Amalgamation- Method of Purchase Consideration and Accounting for Absorption of Companies

UNIT III RECONSTRUCTION OF COMPANIES**19 HOURS**

Reconstruction of Companies Accounting for Reconstruction of Companies-External and Internal (Excluding preparation of scheme).

UNIT IV FINANCIAL STATEMENT OF COMPANIES**19 HOURS**

Financial Statement of Companies – Preparation of Financial Statement of Companies in

accordance with Schedule III of Companies Act 2013 - Balance Sheet - Statement of Profit and Loss – Calculation of Managerial Remuneration (Basic adjustments).

UNIT V LIQUIDATION OF COMPANIES

20 HOURS

Liquidation of Companies –Liquidation of Companies–Calculation of Liquidator’s Remuneration-Preparation of Statement of Affairs and Deficiency Accounts– Preparation of Liquidators Final Statement of Accounts.

TOTAL HOURS:96

TEXT BOOKS:

1. Reddy and Moorthy (2018), Corporate Accounting, Margham Publications, Chennai
2. M.C. Shukla, T.S. Grewal, and S.C. Gupta (2016) Advanced Accounts, Vol.II. 20th Edition, S. Chand & Co., New Delhi.
3. Dr. S N Maheshwari, CA Sharad K Maheshwari & Dr. Suneel K Maheshwari (2018), Corporate Accounting, 6th Edition, Vikas Publishing, New Delhi.
4. Jain, S.P. and K.L. Narang (2015), Corporate Accounting, 8th Edition, Vol. I, Kalyani Publishers, New Delhi.
5. Jain, S.P. and K.L. Narang (2014), Advanced Accountancy (Corporate Accounting), 8th Edition, Vol. I, Kalyani Publishers, New Delhi.
6. CA & Dr. P.C. Tulsian & CA Bharat Tulsian (2016), Corporate Accounting, 2nd Edition, S.Chand and Sons, New Delhi
7. https://swayam.gov.in/nd2_imb20_mg32/preview

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	3	3	3	3	-	1	-		-	-	-	-	3	1	2
CO2	3	-	-	3	3	3	-	1	-	3	-	-	-	-	3	1	2
CO3	3	-	-	3	3	3	-	-	2	3	-	-	-	-	-	1	2
CO4	3	-	-	3	3	3	-	-	2	3	-	-	-	-	3	1	2
CO5	3	-	-	3	3	3	1	-	2	3	-	-	-	1	3	1	2
Average	3	-	-	3	3	3	1	1	2	3	-	-	-	1	3	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:5 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

- Basic understanding of database management systems.

COURSE OBJECTIVES(CO):

- Understand the characteristics and search strategies of SQL.
- Learn to represent knowledge for solving SQL queries and designing software agents.
- Explore various applications of MySQL.

COURSE OUTCOMES (COs):

Upon completion of this course, the students will be able to:

Cos	COURSE OUTCOMES(COs):	Blooms Level
CO1	Understand the various characteristics and features of SQL	Understand
CO2	Apply different search strategies in SQL to retrieve and manipulate data	Apply
CO3	Representation of SQL queries using appropriate techniques	Apply
CO4	Understand methodologies for designing software agents in database contexts.	Understand
CO5	Practical Applications of MySQL in real world scenario	Apply

UNIT I - INTRODUCTION TO SQL**12 HOURS**

SQL: Background – Data Definition – Basic Structure of SQL Queries – Set Operations – Aggregate Functions – Null Values – Nested Sub-Queries – Views – Modification of the Database.

UNIT II - PL/SQL**12 HOURS**

PL/SQL: A programming Language: History - Fundamentals – Block Structure – Comments – Data Types – Other Data Types – Declaration – Assignment operation – Bind variables – Substitution Variables – Printing

UNIT III – OPERATORS AND CONTROL STRUCTURE**12 HOURS**

Arithmetic Operators, Control Structures and Embedded SQL: Control Structures – Nested Blocks – SQL IN PL/SQL – Data Manipulation Transaction Control statements.

UNIT IV- PL/SQL CURSORS AND EXCEPTIONS**12 HOURS**

PL/SQL Cursors and Exceptions: Cursors – Implicit & Explicit Cursors and Attributes – Cursor FOR loops – SELECT...FOR UPDATE – WHERE CURRENT OF clause – Cursor with Parameters – Cursor Variables – Exceptions – Types of Exceptions.

UNIT V – PL/SQL COMPOSITE DATA TYPES**12 HOURS**

Records – Tables – Varrays.Named Blocks: Procedures Functions – Packages - Triggers – Data Dictionary Views.

TOTAL HOURS:60**TEXT BOOKS:**

1. Database System Concepts, Abraham Silberschatz, Henry F.Korth, S.Sudarshan, TMH 5th Edition (Units – I,II)
2. Fundamentals of Database Management Systems, Alexis Leon, Mathews Leon, Vijay Nicole Imprints Private Limited. (Unit-III)
3. Database Systems Using Oracle, Nilesh Shah, 2nd edition, PHI. UNIT-IV: Chapters 10 & 11
UNIT-V: Chapters 12,13 & 14.
4. Alexis Leon & Mathews Leon, "Essential of DBMS", 2nd reprint, Vijay Nicole Publications, 2009.

WEBSITES:

1. <https://www.w3schools.com/sql>
2. <https://www.tutorialspoint.com/sql>
3. <https://livesql.oracle.com>

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2
CO2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2
CO3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2
CO4	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2
CO5	3	-	-	-	-	-	-	-	-	-	1	-	-	-	2	1	2
Average	3	-	-	-	1	-	-	-	-	-	1	-	-	-	2	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:1 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

- Basic understanding of financial accounting principles.

COURSE OBJECTIVES(CO):

- Build knowledge and understanding of accounting standards (IFRS and Ind. AS) applicable to corporate entities.
- Classify business transactions and create financial statements following generally accepted accounting principles (GAAP).
- Understand the crucial role accounting plays in society and in enabling informed decision-making by individuals and shareholders.

COURSE OUTCOMES(COs):**Upon completion of this course, the students will be able to:**

Cos	COURSE OUTCOMES(COs):	Blooms Level
CO1	Understand the use and application of the IFRS(and Ind.AS In India)	Understand
CO2	Apply accounting principles on business	Apply
CO3	Classify the business transactions and create financial statements according to generally accepted accounting Principles	Analyze
CO4	Construct financial statements for individual entities for the Use of shareholders.	Apply
CO5	Analyse the financial statements of companies	Evaluate

UNIT I - USE OF IFRS AND IND AS**12 HOURS**

Use of IFRS and Ind AS-Understand the application of IFRS in India through the use of Ind. AS – the applicability of Ind. AS – the mapping of Ind. AS to IFRS – differences between IFRS & Ind. AS – the list of IFRS (Ind. AS) – Process of transition to IFRS for the first time -Overview of applicable U.S GAAP accounting guidance - Divergence between U.S GAAP and IFRS.

UNIT II APPLICATION OF IFRS (IND. AS) FOR TRANSACTIONS**12 HOURS**

Application of IFRS (Ind. AS) for transactions- Asset based standards such as PPE, Intangible assets, borrowing costs, impairment of assets, inventory & biological assets, provisions & contingencies, events after reporting period, accounting policies, estimates & errors.

UNIT III REVENUE RECOGNITION**12 HOURS**

Revenue recognition-Understand the principles of recognizing revenue of the business – revenue recognition for goods, services, interest and dividends – concept of deferred income and accounting thereof.

UNIT IV PREPARATION & PRESENTATION OF FINANCIAL STATEMENTS

12 HOURS

Preparation & presentation of financial statements- Thorough knowledge of preparation & presentation of financial statements by incorporating the effects of the accounting standards (covered in module 2 & 3 only) - statement of profit or loss and other comprehensive income – statement of financial position (Balance sheet).

UNIT V ANALYSIS OF FINANCIAL STATEMENTS

12 HOURS

Analysis of financial statements- Analyse the financial performance of an entity using the financial statements – use of ratios in performance evaluation – according to statement – according to function – according to purpose - trend analysis – comparison with competition or industry average.

(TOTAL HOURS:60)

TEXT BOOKS:

1. Deepa Agarwal (2017), Financial Reporting and Auditors Responsibility, 2nd edition, Bloomsbury Professional India, New Delhi.
2. Deepa Agarwal (2018), The Law & Practice of Financial Reporting and Auditor's Responsibilities under Companies Act, 2013, 1st Edition, Bloomsbury Professional India, New Delhi.

REFERENCE BOOKS:

1. Subramanyam, K. R. and John, J.W. (2014), —Financial Statement Analysis, 10th Edition, Tata McGraw Hill, New Delhi.
2. Stephen H. Penman (2014) —Financial Statement Analysis and Security Valuation, 4th Edition, Tata McGraw Hill, New Delhi.
3. M.S Narasimhan (2016), Financial Statement Analysis, 1st Edition, Cengage Learning India Private Limited, New Delhi.
4. Charles H. Gibson (2013), Financial Statement Analysis, 13th edition, Cengage Learning India Private Limited, New Delhi.
5. Lawrence Revsine, Daniel Collins, Bruce Johnson, Fred Mittelstaedt, Leonard Soffer (2015), Financial Reporting and Analysis, 6th Edition, McGraw-Hill Education, New Delhi.

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2
CO2	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	2
CO3	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	1	2
CO4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO5	3	-	1	-	2	-	-	-	-	-	-	-	-	-	-	1	2
Average	3	1	1	-	2	1	-	-	-	-	-	-	-	-	-	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

PREREQUISITE:

- Not Required

COURSE OBJECTIVES(CO):

- Understand the principles of community engagement and development.
- Explore rural development programs and government schemes.
- Gain practical skills in financial literacy and banking assistance for communities.

COURSE OUTCOMES (COs):

Upon completion of this course, the student will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Describe the principles of community engagement and development, and the role of self-help groups	Understand
CO2	Analyze rural development programs and evaluate government schemes for community involvement	Analyze
CO3	Examine ethics in community research and assess the impact of rural poverty and COVID-19 on migrant laborers	Analyze
CO4	Create financial literacy awareness programs for local communities.	Apply
CO5	Assist the elderly and illiterate individuals with banking instruments by applying knowledge of banking processes	Apply

UNIT I INTRODUCTION AND PRINCIPLES**4 HOURS**

Concept, Ethics and Spectrum of Community engagement, Local community, Rural culture and Practice of community engagement - Stages, Components and Principles of community development, Utility of public resources. Contributions of self-help groups

UNIT II RURAL DEVELOPMENT**4 HOURS**

Rural Development Programs and Rural institutions Local Administration and Community Involvement- Social contribution of community networking, Various government schemes. Programmes of community engagement and their evaluation.

UNIT III COMMUNITY AND RESEARCH**4 HOURS**

Community Engaged Research and Ethics in Community Engaged Research Rural Distress, Rural Poverty, Impact of COVID-19 on Migrant Laborers, Mitigation of Disaster.

UNIT IV AWARENESS PROGRAMME ON FINANCIAL LITERACY**6 HOURS**

Activity - Creation of awareness programme about Financial Literacy.

UNIT V FILLING UP OF BANK INSTRUMENTS**6 HOURS**

Activity- Students to visit bank branches and assist age old and illiterate people bank financial instruments.

TOTAL: 24 HOURS**TEXT BOOK:**

1. Scott S Macdonald and Timothy W Koch (2011)., *Management of Banking*, New Delhi: Thomson Publishing,

2. Donald R Fraser, Benton E Gup and James W Kolari (2010)., *Commercial Banking, The Management of Risk*, Wiley,
3. Peter S Rose(2012)., *Commercial Bank Management*, New Delhi: McGraw Hill/Irwin,
4. David H Buzzell(2010)., *Principles of Banking*, USA: American Bankers Associations, 2010.
5. *Principles of Community Engagement*, (2011).2nd Edition, NIH Publication No. 11-7782.

WEBSITES:

1. <https://youtu.be/-SQK9RGBt7o>
2. https://www.uvm.edu/sites/default/files/community_engagement_handout.pdf (Community Engagement)
3. https://www.atsdr.cdc.gov/communityengagement/pce_concepts.html (Perspectives of Community)
4. <https://egyankosh.ac.in/bitstream/123456789/59002/1/Unit1.pdf> (community concepts)
5. <https://sustainingcommunity.wordpress.com/2013/07/09/ethics-and-community-engagement/>(Ethics of community engagement)
6. <https://www.preservearticles.com/sociology/what-are-the-essential-elements-of-community/4558> (Elements of Community)

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	P011	P012	P013	P014	P015	PSO1	PSO2
CO1	-	-	-	-	-	3	-	-	-	-	2	3	3	-	-	-	2
CO2	-	-	-	-	-	3	-	-	-	-	2	3	3	-	-	-	2
CO3	-	-	-	-	-	3	-	-	-	-	2	3	3	-	-	-	2
CO4	-	-	-	-	-	3	-	-	-	-	2	3	3	-	-	-	2
CO5	-	-	-	-	-	3	-	-	-	-	2	3	3	-	-	-	2
Average	-	-	-	-	-	3	-	-	-	-	2	3	3	-	-	-	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:1 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

- Not Required

COURSE OBJECTIVES(CO):**To make the students**

- Understand the basic framework of research and research process and its important in business decision & research designs and sampling Techniques and its application
- Identify appropriate sources of information and methods of data collection for solving a business issue
- Understand the selection of appropriate tools to analyse the quantitative and qualitative data

COURSE OUTCOMES (COs):**Upon completion of this course, the students will be able to:**

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Understand the research process, research design and Sampling techniques and its application	Understand
CO2	Identify appropriate methods of data collection	Apply
CO3	Apply appropriate tools to analyse the quantitative and Qualitative data	Apply
CO4	Understand the ethical norms for research and select the best type of research report and be familiar with the content to be Included in the report	Understand
CO5	Apply principles and practice of research in real life business situations	Apply

UNIT I INTRODUCTION AND PRINCIPLES**3 HOURS**

Concept, Ethics and Spectrum of Community engagement, Local community, Rural culture and Practice of community engagement - Stages, Components and Principles of community development, Utility of public resources. Contributions of self-help groups

UNIT II RURAL DEVELOPMENT**3 HOURS**

Rural Development Programs and Rural institutions Local Administration and Community Involvement- Social contribution of community networking, Various government schemes. Programmes of community engagement and their evaluation.

UNIT III COMMUNITY AND RESEARCH**2 HOURS**

Community Engaged Research and Ethics in Community Engaged Research Rural Distress, Rural Poverty, Impact of COVID-19 on Migrant Laborers, Mitigation of Disaster.

UNIT IV: AWARENESS PROGRAMME ON FINANCIAL LITERACY**2 HOURS**

Activity- Creation of awareness programme about Financial Literacy.

UNIT V :FILLING UP OF BANK INSTRUMENTS**2 HOURS****Activity** - Students to visit bank branches and assist age old and illiterate people bank financial instruments.**TOTAL: 12 HOURS****TEXT BOOK:**

1. Scott S Macdonald and Timothy W Koch (2011)., Management of Banking, New Delhi: Thomson Publishing,
2. Donald R Fraser, Benton E Gup and James W Kolari (2010)., Commercial Banking, The Management of Risk, Singapore: Wiley,
3. Peter S Rose(2012)., Commercial Bank Management, New Delhi: McGraw Hill/Irwin,
4. David H Buzzell(2010)., Principles of Banking, USA: American Bankers Associations, 2010.
5. Principles of Community Engagement, (2011).2nd Edition, NIH Publication No. 11-7782.

WEBSITES:

1. <https://youtu.be/-SQK9RGBt7o>
2. https://www.uvm.edu/sites/default/files/community_engagement_handout.pdf (Community Engagement)
3. https://www.atsdr.cdc.gov/communityengagement/pce_concepts.html (Perspectives of Community)
4. <https://egyankosh.ac.in/bitstream/123456789/59002/1/Unit1.pdf> (community concepts)
5. <https://sustainingcommunity.wordpress.com/2013/07/09/ethics-and-community-engagement/>(Ethics of community engagement)
6. <https://www.preservearticles.com/sociology/what-are-the-essential-elements-of-community/4558> (Elements of Community)

Mapping with Programme Outcomes

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	P011	P012	P013	P014	P015	PSO1	PSO2
CO1	-	-	-	-	-	3	-	-	-	-	2	3	3	-	-	-	2
CO2	-	-	-	-	-	3	-	-	-	-	2	3	3	-	-	-	2
CO3	-	-	-	-	-	3	-	-	-	-	2	3	3	-	-	-	2
CO4	-	-	-	-	-	3	-	-	-	-	2	3	3	-	-	-	2
CO5	-	-	-	-	-	3	-	-	-	-	2	3	3	-	-	-	2
Average	-	-	-	-	-	3	-	-	-	-	2	3	3	-	-	-	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:0 T:0 P:4

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

- Basic understanding of database concepts and SQL.

COURSE OUTCOMES (COs)::

- Understand and apply DDL, DML, DCL, and TCL in SQL.
- Implement and manage database constraints effectively.
- Develop complex queries and PL/SQL blocks for real-world scenarios.

COURSE OUTCOMES(COS):

Upon completion of this course, the students will be able to:

Cos	COURSE OUTCOMES(COs):	BloomsLevel
CO1	Define and use DDL and DML commands to create and manipulate database structures.	Understand
CO2	Apply DCL and TCL commands to manage database security and transaction integrity.	Apply
CO3	Implement primary key, foreign key, check, unique, null, and not null constraints in database tables.	Apply
CO4	Analyze complex SQL queries to retrieve and analyze data from multiple database tables.	Analyze
CO5	Develop PL/SQL triggers and blocks to automate tasks and handle exceptions in database applications.	Analyze

LIST OF PROGRAMS

1. To implement Data Definition language **4 HOURS**
2. To implement Data Manipulation language **4 HOURS**
3. To implementation on DCL and TCL **4 HOURS**
4. To implement the following Constraints **4 HOURS**
 - i. Primary key
 - ii. Foreign Key
 - iii. Check
 - iv. Unique
 - v. Null
 - vi. Not null
5. Create a table with following fields: **4 HOURS**
Employee table:

Field name	Constraint	Type	Size
Employee_no	Primary key	Character	6
Employee_name	-	Character	30
Address	-	Character	25
Designation	-	Character	15
Dob	-	Date	
Gender	Check	Character	1
Doj	-	Date	
Salary	-	Number	10,2

Queries:

- i. Display name of the employees whose salary is greater than “10,000”.
 - ii. Display the details of employees in ascending order according to Employee Code
 - iii. Display the details of employees earning the highest salary
 - iv. Display the names of employees who earn more than “Ravi”.
6. Create table named Student with following fields and insert the values: **4 HOURS**

Field name	field type	Fieldsize
Student Name	Character	15
Gender	Character	6
Roll No.	Character	10
Department Name	Character	15
Address	Character	25
Percentage of marks	Number	4,2

Queries:

- i. Calculate the average mark percentage of the students
 - ii. Display the names of the students whose percentage marks are greater than 80%
 - iii. Display the details of the students who got the highest percentage of marks
 - iv. Display the details of the students whose mark percentage between 50 and 70
 - v. Display the details of the students whose mark percentage is greater the mark percentage of Roll No=12CA01
7. Create a table with following fields: **4 HOURS**

Staff table:

Field name	Constraint	Type	Size
Staff_no	Primary key	Character	6
Staff_name	-	Character	30
Dob	-	Date	
Dept_code	Foreign key	Character	4
Designation	-	Character	15
Basic	-	Number	7,2

Department table:

Field name	Constraint	Type	Size
Dept_code	Primary key	Character	4
Dept_name	-	Character	30

Execute the following queries:

- i. To list the staff who joined 2 years back.
 - ii. To list the staff in computer science dept.
 - iii. To list the staff_name and the dept_name in which he/she works.
 - iv. To list the maximum and minimum salary in each dept.
 - v. To list the dept along with the total amount spent on salary
 - vi. To list the name of the employees who draw the salary more than the average salary.
8. Create a table with the following fields: **4 HOURS**

Book table:

Field name	Constraint	Type	Size
Access_no	Primary key	Character	6
Title	-	Character	30
Author	-	Character	30
Publisher	-	Character	30
Subject	-	Character	10
Price	-	Number	6,2

Execute the following queries:

- i. The title of C and C++ books.
- ii. The books written by a particular author.
- iii. The books which costs between Rs.300/- and Rs.500/-
- iv. The number of books available in each subject.
- v. The books in the decreasing order of the cost.

9. Create a table with the following fields:

4 HOURS

Account table:

Field name	Constraint	Type	Size
Acc_no	Primary key	Number	4
Cust_name	-	Varchar2	30
Branch_name	-	Varchar2	30
Cust_city	-	Varchar2	30

Borrower table:

Field name	Constraint	Type	Size
Acc_no	Foreign key	Number	30
Branch_name	-	Varchar2	30
Amount	-	Number	8,2

Write queries to perform different types of Join.

10. Write a PL/SQL block to create and handle User Defined Exception

Clientmaster

4 HOURS

Field name	Constraint	Type	Size
Client_id	-	Number	6
Client_name	-	Varchar2	30
Address	-	Varchar2	50
Phone	-	Number	10
Balance	-	Number	10,2

11. Create table with following fields:

4 HOURS

Product table:

Field name	Constraint	Type	Size
Product_code	Primary key	Varchar2	7

Product_name	-	Varchar2	30
Price	-	Number	6,2
Quantity	-	Number	4

Vendor table:

Field name	Constraint	Type	Size
Vendor_name	-	Varchar2	30
Vendor address	-	Varchar2	30
Product_code	Foreign Key	Varchar2	7

Create a Trigger to fire when the Record is deleted and inserted.

12. Write a PL/SQL trigger to update the records while deleting the one record in another table.

Voters_master:

4 HOURS

Field name	Constraint	Type	Size
Voterid	Primary key	Number	5
Name	-	Varchar2	30
Ward_no	Primary Key	Number	4
Dob	-	Date	
Address	-	Varchar2	150

New_list

Field name	Constraint	Type	Size
Voterid	-	Number	5
Ward_no	-	Number	4
Name	-	Varchar2	30
Description	-	Character	50

TOTAL HOURS:48

TEXT BOOKS:

1. ElmasriRamez and Navathe Shaman, 2019. 'Fundamentals of Database System', Pearson Education , Sixth Edition.
2. Ivan Bayross,2018.'SQL, PL/SQL the Programming Language of Oracle Paperback',BPB Publication, Fifth Edition.
3. Abraham Silberschatz , Henry F.Korth and S.Sudarshan,2018.'Database System Concepts', Tata Mc Graw Hill,Sixth Edition.
4. ParteekBhatia,2016.'PL/SQL for Beginners: A Simplified Approach (Kindle Edition).
5. C.J.Date, A.Kannan and S.Swamynathan, 2015."An Introduction to Database Systems", Pearson Education ,Eighth Edition.

WEBSITES

1. <http://www.tutorialspoint.com/sql/sql-rdbms-concepts.htm>
2. <https://www.javatpoint.com/dbms-tutorial>
3. <https://www.javatpoint.com/dbms-sql-introduction>
4. www.databasedir.com
5. <http://plsql-tutorial.com/>

CO, PO, PSO Mapping

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2	
CO1	3	-	2	1	-	-	-	-	-	-	-	-	-	-	-	1	1	2
CO2	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
CO3	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO4	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
Average	3	-	2	1	-	-	-	-	-	-	-	-	-	-	-	1	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:0 T:0 P:0

Marks: Internal:100 External: - Total:100

End Semester Exam: - Hours

PREREQUISITE:

Not Required

COURSE OBJECTIVES (CO):

- Explore career alternatives and integrate theory with practice before graduation.
- Assess personal interests and abilities in the chosen field of study.
- Develop work habits, attitudes, and essential communication and interpersonal skills or job success and the interview process.

COURSE OUTCOMES (COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES (COs):	Blooms Level
CO1	Explore career alternatives prior to graduation and integrate theory and practice.	Understand
CO2	Assess interest and abilities in their field of study.	Evaluate
CO3	Develop work habits and attitudes necessary for job success.	Apply
CO4	Develop communication, interpersonal, and other critical skills in the job interview process.	Apply
CO5	Build a record of work experience.	Create

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	1	1	-	-	-	-	-	2	-	-	-	-	1	2
CO2	3	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	2
CO3	3	-	-	-	-	-	-	-	-	-	2	-	1	-	-	1	2
CO4	3	1	1	-	-	-	1	-	-	-	2	1	-	-	1	1	2
CO5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
Average	3	1	1	1	1	-	1	-	-	-	2	1	1	-	1	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

பாடத்திட்டப் பொதுநோக்கம்

- தமிழ் மொழியின் சிறப்புகளை அறியச் செய்தல்.
- முச்சங்கங்கள் சங்ககால இலக்கண நூல்கள் பற்றித் தெரிந்து கொள்ளுதல்.
- பல்வேறு சமயம் சார்ந்த இலக்கியங்களை ஒப்பீடு செய்தல், தொன்ம இலக்கியங்களை அறியச் செய்தல்

பாடத்திட்டப் பயன்விளைவு

- சங்க இலக்கிய மேன்மைகள்- திணைக்கோட்பாடுகள் அறிவு பெற்றிருத்தல்.
- வேற்றுமொழிப் படையெடுப்புகளுக்கு ஈடுகொடுத்து நிற்கும் திறன் குறித்து அறிதல்.
- ஐம்பெருங்காப்பியங்கள் ஐஞ்சிறுகாப்பியங்களின் சிறப்பை உணர்தல்.
- பிற அறநூல்களின் கருத்துக்களைத் தெரிந்து கொள்ளுதல்.
- செம்மொழியின் சிறப்பையும், தொன்மையையும் அறிதல்.

அலகு:1 சங்க இலக்கியம்**(10 மணிநேரம்)**

தமிழ் இலக்கிய வரிசை-அறிமுகம்-முச்சங்க வரலாறு-பாட்டும் தொகையுமாகிய சங்க இலக்கியத் தொகுப்பு-அறிமுகம்-எட்டுத்தொகையில் அகத்திணை-புறத்திணை-பத்துப்பாட்டில் அமைந்த ஆற்றுப்படை இலக்கியங்கள்-பத்துப்பாட்டில் அகமும் புறமும்-புலவர்களும் பாடல்களும்-பெண்பாற் புலவர்கள்.

அலகு: 2 அற இலக்கியமும் காப்பியமும்**(10 மணிநேரம்)**

திருக்குறள்-அமைப்பு-இலக்கியச் சிறப்பு-உலகப் பொதுமைத் தன்மை-பொருட் சிறப்பு-இலக்கியச் சிறப்பு-நாலடியார் முதலாக குமரகுருபரரின் நீதிநெறிவிளக்கம் ஈறாக அமைந்த நீதி இலக்கியங்கள்-நீதி நூல்களில் அகமும் புறமும்-தமிழ் இலக்கிய வரிசையில் ஐம்பெருங் காப்பியங்களும், ஐஞ்சிறு காப்பியங்களும்- சிலம்பும் மணிமேகலையும் - இரட்டைக்காப்பியங்கள்- கம்பராமாயணம்-பெரியபுராணம்-சீராப்புராணம்-தேம்பாவணி-இராவண காவியம்.

அலகு:3 திருமுறைகளும் திவ்யப்பிரபந்தமும் (10 மணிநேரம்)

தமிழகத்தில் பக்தி இயக்கத்தின் தோற்றமும் வளர்ச்சியும்-பன்னிரு திருமுறைகளும், பதிநான்கு சித்தாந்த சாத்திரங்களும்- திவ்யப்பிரபந்தமும், இராமானுஜ நூற்றந்தாதி முதலான வைணவ இலக்கியங்களும்.

அலகு: 4 சிற்றிலக்கியங்களும் இக்கால இலக்கியங்களும்

(10 மணிநேரம்)

குற்றாலக்குறவஞ்சி, முக்கூடற்பள்ளு, மதுரை மீனாட்சியம்மை பிள்ளைத்தமிழ், மதுரை சொக்கநாதர் தமிழ்விடு தூது, அழகர் கிள்ளைவிடு தூது முதலான சிற்றிலக்கிய வரிசை-தமிழில் புதுக்கவிதை இயக்கங்களின் தோற்றமும் வளர்ச்சியும்-தமிழ்ப் புதுக்கவிதை வடிவங்கள்-தமிழின் நாடக இலக்கியங்கள்- மனோண்மணீயம் – தமிழின் உரைநடை இலக்கிய வளர்ச்சி-தமிழின்பம் முதலான உரைநடை நூல்கள்- தமிழில் சிறுகதை இலக்கிய வளர்ச்சி-இருபதாம் நூற்றாண்டுச் சிறுகதைகள்-தமிழில் புதின இலக்கியங்கள்-இக்கால இலக்கியங்களில் காலந்தோறும் தனி மனிதப் பதிவுகளும், சமுதாயப் பதிவுகளும்.

அலகு: 5 தமிழின் ஐந்திலக்கணம்

(8 மணிநேரம்)

தமிழின் எழுத்து-சொல்-பொருள்-யாப்பு-அணி என்றமைந்த தமிழின் ஐந்திலக்கணக் கொள்கைகள்-நன்னூல்-தொல்காப்பியம்-யாப்பருங்கலக்காரிகை-புறப்பொருள் வெண்பாமாலை –நம்பி அகப்பொருள் முதலான இலக்கண நூல் சிந்தனைகள்.

TOTAL HOURS:48

பாடநூல்:

தமிழ் இலக்கிய வரலாறு-மொழிகள் துறை-தமிழ்ப்பிரிவு, கற்பகம் உயர்கல்விக்கழகம், கோயம்புத்தூர் -21. முதல் பதிப்பு - பிப்ரவரி – 2023.

மொத்த மணிநேரம் 48

பார்வை நூல்கள்:

1. தமிழ் இலக்கிய வரலாறு – தமிழண்ணல், மீனாட்சி புத்தக நிலையம்-மதுரை.
2. தமிழ் இலக்கிய வரலாறு – வேங்கடராமன்.கா.கோ. கலையகம் பதிப்பகம், நாமக்கல்.
3. புதிய நோக்கில் தமிழ் இலக்கிய வரலாறு-சுந்தரமூர்த்தி.செ, அவ்வை பதிப்பகம், திருவாரூர் .
4. தற்காலத் தமிழ் இலக்கிய வரலாறு - கவிஞர் திலகம் மானூர் புகழேந்தி, நிலாப் பதிப்பகம், 63,பாரதிதாசன் நகர், இராமநாதபுரம், கோவை – 641045.

இணையதளம்

1. www.tvu.org.in
2. www.maduraitamilproject.com

இதழ்கள்

1. International Research Journal of Indian Literature, irjil.in
2. International Tamil Research Journal, iorpress.in

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	3	2.6	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0**Marks: Internal:40 External:60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:** Not Required**COURSE OBJECTIVES(CO):**

- Develop an interest in the appreciation of short stories
- Comprehend the grammatical structures and sentence making
- Understand the language and developing English to Hindi translation skill

COURSE OUTCOMES(COs):

- Learning the literacy knowledge of Hindi specially reading and writing .
- Learning the literary knowledge specially reading and understanding of Hindi short Stories
- Learning the history of Hindi literature.
- The ability to translate from Hindi to English and from English to Hindi will be improved.
- Develop a skill in spoken Hindi.

UNIT-I a) Poetry – Lakshmanan ke Bare Me

b) Bharath ka Bhagya

c) Essay – Dhokha

d) Translation – Lesson – 1 to 3

10 HOURS**UNIT-II** a) Poetry – Soorpanakha Ki Visheshatha

b) Bahu Ki Vida

c) Essay – Jabaan

d) Translation– Lesson – 4 to 6

10 HOURS**UNIT-III** a) Poetry– Kavya Ke AdharPar

b) Reed Ki Haddi

c) Essay – Kya Janvar Bhee Sochthi Hai

d) translation– Lesson – 7 to 9

10 HOURS**UNIT-IV** a) Khanda Kavya Ke Adhar Par Panchavati

b) Rajputni Ka Badhala

c) Essay – Shradha-Bhakthi

d) Translation– Lesson – 10 to 12

9 HOURS**UNIT-V** a) Kavya Ke Adhar Par Prakruthik Varnan

b) Bheem Aur Raakshas

c) Essay – Adhunik Nari

d) Translation – Lesson –13 to 15

9 HOURS**TOTAL HOURS: 48****TEXT BOOKS:**

1.Poetry : Panchavati

Writer : Mythili Sharan Guptha

Publisher : Bharathiya Sahithya Sangrah

Kanpur – 208002, Uttar Pradesh

2. One Act Play : Adarsh Akanki

Publisher : D.B.Hindi Prachar Sabha

T. Nagar, Chennai – 600017, Tamil Nadu

3. Essay : Nibandh Nishchay

Editor : Dr. Sharadh Ranjan

Publisher : Hindi Sahithya Sammelan Prayag

12. Sammelan Marg, Allahabad

4. Translation : Anuvadh Abhyas – III

Publisher : D.B.Hindi Prachar Sabha

T. Nagar, Chennai – 600017, Tamil Nadu

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	3	2.6	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0**Marks: Internal:40 External:60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:**

Not Required

COURSE OBJECTIVES(CO):

- Knowledge of contemporary drama contents of Malayalam literature
- Learn Screen play and its techniques. The ability to read drama and express criticism about it and the ability to express social thoughts will improve
- There will also be litigation messages in Malayalam and news on speech techniques

COURSE OUTCOME (COs):

- Get a basic knowledge of drama
- Can read and critique Screenplay
- Create interest in art literature courses
- The hope of writing a Drama or a Screen Play
- The idea of creating new works and critique knowledge will improve.

UNIT NO.	PART I – MALAYALAM IV	HOURS
I	Screen Play - Perumthachan	10
II	Screenplay - Perumthachan	10
III	Drama – Saketham	10
IV	Drama – Saketham	09
V	Drama – Saaketham	09
	TOTAL	48

TEXT BOOKS:

1. Perumthachan – M.T.VasudevanNair,DC Books
2. Saketham – C.N.SreekandanNair,DC Books

REFERENCE BOOKS:

- 1.MalayalaNatakaSahithyaCharithram. G Sankara Pillai (Kerala SahithyaAkademi, Trissur) 2. Malayala Nataka Sahithya Charithram, Vayala Vasudevan Pillai (Kerala Sahithya Akademi Thrissur).
3. Natakam- OruPatanam (C.J. SmarakaPrasanga Samithi, Koothattukulam) Nataroopacharcha, Kattumadam Narayanan (NBS, Kottayam)
- 4.Chalachithrasameeksha–Vijayakrishanan.
5. Cinemayude Paadangal-VisakalanavumVeekshanavum – Jose-K.Manual.

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	3	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Not required

COURSE OBJECTIVES (CO):

- The fundamental objective of the curriculum is to impart effective science education at the undergraduate level, exposing them to recent trends and developments in the subject.
- Creating scientific temper is another major objective of this curriculum.
- Another major thrust given here is to develop an environmental concern in all activities of the students. 'Go green', the motto of the syllabus emphasizes the urgent need to conserve nature without destruction of natural resources.

COURSE OUTCOMES(COs) :

- **Critical Thinking** :Take informed actions after identifying the assumptions that frame students' thinking and actions.
- **Problem Solving**: Understand and solve problems of relevance to society to meet the specified needs using the knowledge, skills and attitudes acquired.
- **Effective Communication**: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
- **Effective Citizenship**: Demonstrate empathetic social concern and equity centered national development.
- **Environment and Sustainability**: Understand the issues of environmental contexts and sustainable development.

UNIT I

Introduction to Sanskrit Lyrics and erotic literature.

10 HOURS**UNIT II**

Devotional Literature, Important works

10 HOURS**UNIT III**

Krishnakarnamrita of Leelasuka (Second Section only)

10 HOURS**UNIT IV**

Grammar – Past tense, Declension of personal pronouns

9 HOURS

UNIT V

Simple sentences from Sanskrit Self Teacher

**9 HOURS
TOTAL HOURS: 48****TEXT BOOK:**

Krishnakarnamrita of LeelasukaSri Ramakrishna Mud Mylapore, Chennai.

CO, PO, PSO Mapping

CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PSO 1	PSO 2
CO1	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.6	2.6	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Not Required

COURSE OBJECTIVES(CO):

- Provide the students with an ability to build and enrich their communication skills.
- Help them think and write imaginatively and critically.
- Strengthen their professional skills.

COURSE OUTCOMES (COS):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Make the students proficient communicators in French.	Apply
CO2	Develop learners' ability to understand French.	Understand
CO3	Understand the nuances of listening, speaking and reading French.	Understand
CO4	Prepare the learners to face situations with confidence and to seek employment in the modern globalized world.	Apply
CO5	Build the students' ability to listen and to speak French better.	Apply

Unite – I

- a) Leçon – On fait le ménage !
 b) Communication - Protester et réagir
 c) Grammaire - Le présent progressif, Les pronoms possessifs
 La phrase négative (3)
 d) Lexique –• Le logement, La maison, Les pièces

Unite – II

- e) Culture – Paris et ses symboles **10 HOURS**
 a) Leçon – À propos de logement
 b) Communication - Exprimer l'intérêt et l'indifférence
 c) Grammaire - Quelques adjectifs et pronoms indéfinis
 Les verbes lire, rompre et se plaindre
 d) Lexique – Meubles et équipement, Les tâches ménagères

Unite – III

- e) Culture - Les fêtes et les traditions en France **10 HOURS**
 a) Leçon – Tous en forme ! Accidents et catastrophes
 b) Communication - Raconter au passé
 c) Grammaire - Le passé composé et l'imparfait
 Le passé récent, L'expression de la durée,
 d) Lexique – Le corps humain : l'extérieur, Le corps humain :
 l'intérieur Les maladies et les remèdes

Unite – IV	e) Culture	-	La longue histoire de la Francophonie	10 HOURS
	a) Leçon	-	Faire ses études à l'étranger	
	b) Communication	-•	Exprimer la peur et rassurer	
	c) Grammaire	-	Les adjectifs et les pronoms ,indéfinis : rien, personne, aucun Les verbes dire, courir et mourir	
	d) Lexique	-	Les accidents,Les catastrophes naturelles	
Unite – V	e) Culture	-	Les jeux de la Francophonie .	9 HOURS
	a) Leçon	-	Bon voyage !La météo	
	b) Communication	-	Exprimer son opinion, Parler de la météo	
	c) Grammaire	-•	Les pronoms démonstratifs neutres Le futur simple, Situer dans le temps	
	d) Lexique	-	Le système scolaire,Les formalités pour partir à l'étranger • La météo	
	e) Culture-		Le français hors de France	9 HOURS
				TOTAL HOURS: 48

REFERENCE BOOKS:

- Cocton Marie –Noëlle , Duplex Dorothée, Heu Elodie , Kasazian Emilie, Ripaud Delphine, **Saison 1- Méthode de français**, Didier, paris.2015.
- Cocton Marie – Noëlle, Duplex, Heu Elodie, Kasazian Emilie ,Ripaud Delphine, **Saison 1 – Cahier d'activités** , Dider ,Paris , 2015
- Anne Akyüz,Bernadette Bazelle- Shahmael,JoëlleBonenfant, Marie- Françoise Gliemenn,Les **exercices de grammaire,Hachette FLE**, Paris,2005
- Christian Beaulieu, **Je pratique, Exercices de grammaire A1**, Dider,Paris,2015
- Nathalie BIE, philippe SANTINAN,**Grammaire pour adolescents-250 exercices, CLE International , Paris , 2005**

WEBSITES :

- <http://enseigner.tv5monde.com/>
- [bonjourdumonde.com /exercices/contenu/le – francais-du- tourisme.html](http://bonjourdumonde.com/exercices/contenu/le-francais-du-tourisme.html)
- <http://www.bonjurdefrance.com/>
- <https://www.lepointdufle.net/>

CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ave rage	3	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:3 T:0 P:0**Marks: Internal:40 External:60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:**

Basic understanding of communication principles.

COURSE OBJECTIVES(CO):(CO)

- Build and enrich students' communication skills.
- Enhance creative and critical thinking and writing abilities.
- Improve overall communicative proficiency and professional skills.

COURSE OUTCOMES (COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Make the students proficient communicators in English.	Apply
CO2	Develop learners' ability to understand English in a wide range of contexts.	Understand
CO3	Understand the nuances of listening, speaking, and reading English.	Understand
CO4	Prepare the learners to seek employment in the world to get decent work and attain economic growth.	Apply
CO5	Build the students' ability to listen and speak English better.	Apply

UNIT-I**7 HOURS**

Concept of Communication-Barriers to Communication-Body Language-Personality
Development-Etiquette and Manners-Soft Skills

UNIT-II**7 HOURS**

Listening Comprehension-Reading Comprehension-Paragraph Writing-Precis Writing- Collocation

UNIT-III**7 HOURS**

Writing-Writing Resume and Covering Letter-Types of Letter Writing-Writing MoU-Dictio
Composition--Term Paper-Book Reviews

UNIT-IV**7 HOURS**

Speaking-Interview Skills –Preparing Welcome address and Vote of Thanks-Compering-

UNIT-V**8 HOURS**

Punctuation Marks- Figures of Speech

TOTAL HOURS -36

REFERENCES BOOKS:

1. Oxford Hand book of Writing:St.Martins Hand book of Writing 2013 Cambridge University Press Wren & Martin, 2008, *High School English Grammar & Composition*, S.Chand& Company Ltd, Board of Editors,
2. Krashen,StephenD(1982)Principlesandpracticeinsecondlanguageacquisition.NewYork: Pergamon Press.

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	3	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:6 T:1 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

- Basic knowledge of taxation and accounting principles.

COURSE OBJECTIVES (CO):

- Understand the basic concepts of the Income Tax Act, 1961.
- Learn to compute income from salary, house property, and other sources. Familiarize with laws for calculating total income and assessing tax liability for Individuals.

COURSE OUTCOMES (COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	BloomsLevel
CO1	Understand the basic concept of the Income Tax Act, 1961.	Understand
CO2	Impart the knowledge on computation of salary and house property income.	Understand
CO3	Know the provisions of computation of income from other sources.	Apply
CO4	Familiarize with the laws pertaining to computation of total income and tax liability.	Apply
CO5	Assess the total income and tax liability of an individual.	Evaluate

UNIT I BASIC CONCEPTS**17 HOURS**

Basic Concepts: An Overview of Income Tax Act, 1961 -Introduction -Important Definitions-Income-AgriculturalIncome-Assessee-PreviousYear-AssessmentYear - Residential Status - Basis of Charge - Scope of Total Income - Tax Rates in accordance with the applicable Finance Act for the relevant assessment year - Exempted Income u/s 10.

UNIT II COMPUTATION OF INCOME FROM SALARY AND HOUSE PROPERTY**17 HOURS**

Computation of Income from Salary and House Property: Salary –Meaning – Allowances – Perquisites - Profits in lieu of Salary - Deductions against Salary- Incomes exempt from Tax. House Property - Chargeability - Owner of house property - Determination of Annual Value - Deduction from Net Annual Value - Unrealized Rent – Exemptions - Computation of Income from House Property.

UNIT III COMPUTATION OF INCOME FROM PROFITS AND GAINS FROM BUSINESS AND PROFESSION**17 HOURS**

Computation of Income – Profits and Gains from Business and Profession: Profits and

Gains from Business and Profession - Business and Profession – An Overview – Chargeability - Profits and Losses of Speculation Business - Deductions Allowable - Expenses Disallowed - Deemed Profits u/s 41 - Maintenance of Accounts. **Capital Gain:** Chargeability - Capital Gains - Capital Assets & Transfer - Types of Capital Gains - Mode of Computation of Capital Gains - Exemptions and Deduction.

UNIT IV COMPUTATION OF INCOME FROM OTHER SOURCES 17 HOURS

Computation of income from Other Sources: Taxation of Dividend - Provisions relating to Gifts – Deductions -Other Miscellaneous Provisions. Exemptions/Deduction - Set Off and/or Carry Forward of Losses: Rebate and Relief - Income's not included in Total Income - Tax holidays - Clubbing of Income - Aggregation of Income.

UNIT V COMPUTATION OF TOTAL INCOME AND TAX LIABILITY 16 HOURS

Computation of Total Income and Tax Liability: Computation of Gross Total Income – Individual Tax Rate – Deduction under Sec.80 – Computation of Total Income and Tax Liability of an Individual.

TOTAL HOURS: 84

Note: Distribution of marks- 30% theory and 70% problems

TEXT BOOKS:

1. Monica Singhanian Vinod K Singhanian (2020), Students Guide to Income Tax including GST, 61st Edition, Taxmann Publication Pvt. Limited, New Delhi.
2. Direct Tax Law and Practice (2018), The Institute of Company Secretaries of India, MP Printers.

REFERENCE BOOKS:

1. Gaur and Narang (2021), Income Tax Law and Practice, 51st Edition, Kalyani Publishers, Chennai.
2. Dr. H.C Malhotra, Dr. S P Goyal (2021), Income Tax Law and Practice, 61th Edition, Sathya Bawan Publication, New Delhi.
3. Dr. Girish Ahuja, Dr. Ravi Gupta (2018), Direct Taxes Law and Practices, 10th Edition Wolters Kluwer India Pvt. Ltd, New Delhi.
4. CA Atin Harbhajanka (Agarwal) (2018), Income Tax Law and Practice, 2nd Edition Bharat Law House Pvt. Ltd, New Delhi.
5. Dr. Vinod.K.Singhanian, Dr Kapil Singhanian (2018), Direct Taxes Law and Practice, Taxmann Publication Pvt. Limited, New Delhi.

WEBSITES

1. <https://www.coursera.org/learn/international-taxation>

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	2	-		-	-	-	-	3	2	-	3	-	3	1	2
CO2	3	-	-	3	3	-	-	-	-	3	-	-	3	-	3	1	2
CO3	3	-	-	3	3	-	-	-	-	3	-	-	3	-	3	1	2
CO4	3	-	-	3	3	-	-	-	-	3	2	-	3	-	3	1	2
CO5	3	-	2	3	3	-	-	-	-	3	2	-	3	-	3	1	2
Average	3	-	2	3	3	-	-	-	-	3	2	-	3	-	3	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Basic understanding of programming concepts.

COURSE OBJECTIVES(CO):

- * Understand the fundamentals of programming and object-oriented concepts in Java.
- * Learn to use the Java SDK to create, debug, and run Java programs.
- * Explore Java's application in various technologies and platforms, including, packages, access modifiers, and interfaces.

COURSE OUTCOMES(COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Obtain knowledge of the structure and model of the Java programming language.	Understand
CO2	Use the Java programming language for various programming technologies	Understand
CO3	Develop software in the Java programming language	Application
CO4	Evaluate user requirements for software functionality required to decide whether the Java programming language can meet user requirements	Analyse
CO5	Use the certain technologies by implementing them in the Java programming language to solve the given problem	Evaluate

UNIT I - INTRODUCTION TO JAVA**9 HOURS**

History of JAVA, The Java Buzzwords, Evolution of JAVA, An Overview of Java, Compiling and Executing a Java Program, Variables, Constants, Keywords Data Types, Operators (Arithmetic, Logical and Bitwise) and Expressions, Comments, Doing Basic Program Output, Decision Making Constructs (conditional statements and loops) and Nesting.

UNIT II - ARRAYS, STRINGS AND I/O**9 HOURS**

Object-Oriented Programming Overview:Principles of Object-Oriented Programming, Defining & Using Classes, Controlling Access to Class Members, Class Constructors, Method Overloading, Class Variables & Methods, Objects as parameters, final classes, Object class, Garbage Collection-Creating & Using Arrays (One Dimension and Multi-dimensional), Referencing Arrays Dynamically,

UNIT III - INHERITANCE**10 HOURS**

Inheritance: (Single Level and Multilevel, Method Overriding, Dynamic Method Dispatch, Abstract Classes), Interfaces and Packages, extending interfaces and packages, Package and Class Visibility, Using Standard Java Packages (util, lang, io, net), Wrapper Classes.

UNIT IV - EXCEPTION HANDLING AND DATABASE CONNECTIVITY 10 HOURS

Exception types, uncaught exceptions, throw, built-in exceptions, creating your own exceptions; Multi-threading: The Thread class and Runnable interface, creating single and multiple threads, Thread prioritization, synchronization and communication, suspending/resuming threads. Accessing and manipulating databases using JDBC.

UNIT V – JAVA GUI PROGRAMMING USING SWING**10 HOURS**

Working with Graphics, Incorporating Images & Sounds.Event Handling Mechanisms, Listener Interfaces, Adapter and Inner Classes. The design and Implementation of GUIs using Swing components of Java Foundation Classes such as labels, buttons, text fields, layout managers, menus, events and listeners; Graphic objects for drawing figures such as lines, rectangles, ovals, using different fonts.

(TOTAL HOURS:48)**TEXT BOOKS:**

1. Cay S. Horstmann, Gary Cornell, 2019. Core Java 2 Volume 2 – Advanced Features, 9th Edition, Pearson.
2. E. Balaguruswamy, 2019. Programming with Java, 6th Edition, McGraw Hill.
3. Ben Evans and David Flanagan, 2019. Java in a Nutshell, Seventh Edition. O’Reilly Media, Inc.
4. Cay S. Horstmann, Gary Cornell, 2018. Core Java 2 Volume-1 , 11th Edition, Prentice Hall.
5. Paul Deitel, Harvey Deitel, 2018, Java: How to Program (Early Objects), 11th Edition, Prentice Hall.

WEBSITES

1. <https://docs.oracle.com/java>
2. <https://www.tutorialspoint.com/java/index.htm>
3. <https://www.w3schools.com/java/>

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	-	-	-	-	1		-	-	-	-	-	2	1
CO2	3	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2	1
CO3	3	-	2	-	-	-	-	-	-	2	-	-	-	-	2	2	1
CO4	3	-	2	-	-	-	-	-	-	2	-	-	-	-	2	2	1
CO5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1
Average	3	-	2	-	-	-	-	-	1	2	-	-	-	-	2	2	1

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:5 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Basic understanding of financial management and investment concepts.

COURSE OBJECTIVES(CO):

1. Understand the overview of the investment company industry.
2. Apply funding strategies and analyze financial statements of investment companies.
4. Evaluate the effectiveness of tools used in investment companies and create Quality financial reports.

COURSE OUTCOMES(COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	BloomsLevel
CO1	Understand the overview of the Investment Company industry.	Understand
CO2	Analyze and interpret the financial statements and operations.	Analyze
CO3	Evaluate the results of tools applied and interpret the results.	Evaluate
CO4	Apply the funding strategies applicable to Investment companies.	Apply
CO5	Create a quality report of the financial statement.	Create

UNIT I OVERVIEW OF INVESTMENT COMPANY INDUSTRY**12 HOURS**

Overview of Investment Company Industry - Introduction: Meaning, Definition and Classification. Types of Investment Company Fair Value ASC 820 - Organization Providing Services to Investment: The Investment Adviser - The Distributor - The Custodian - The Transfer Agent - The Administrator. Regulations - Financial Reporting to shareholders - Accounting Rules and Policies - Effective Date of Transaction.

UNIT II INVESTMENT COMPANIES AND FUND**12 HOURS**

Investment companies and Fund - Investment companies and Fund – Overview: Fund Administration - Hedge Fund – Defining the Hedge Fund - Types of Hedge Fund -Private Equity Funds - Venture capital fund. Domestic and offshore Hedge fund – Hedge fund strategy – Size of the Hedge fund market – Reasons for Rapid Growth of Hedge

fund industry – Market benefits of Hedge fund industry – Hedge fund in Different Jurisdictions: United States of America.

UNIT III INVESTMENT ACCOUNTS AND FINANCIAL INSTRUMENTS 12 HOURS

Investment Accounts and Financial Instruments- Investment Objectives and Policies - Operations and Controls. Accounting: Net Assets value per share - Basis of recording securities transactions - Valuing Investments - Valuation Techniques: The Present Value

Techniques - The fair value Hierarchy. Money Market Funds - Accounting for foreign investments. Financial Instruments: Money Market Instruments - Repurchase Agreement - US Government Securities: Treasury Bills - Notes and Bonds. Securities: Mortgage-Backed Securities - High Yield Securities.

UNIT IV CAPITAL ACCOUNTS

12 HOURS

Capital Accounts - Introduction - Operations and Controls - Accounting for Capital Structure Transactions and Distributions - Auditing Procedures - Complex Capital Structure: Operational and Accounting Issue - Financial Statement Preparation - Audit Consideration - Methods of Allocating Income, Fund- Level Expenses and Realized and Unrealized Gains/Losses - Methods of Computing Income Distributions per shares. Taxes: Introduction - Taxation of Regulated Investment Companies.

UNIT V FINANCIAL STATEMENT OF INVESTMENT COMPANIES

12 HOURS

Financial Statement of Investment Companies - Financial Statement Introduction - Comparative Financial Statement- Schedule of Investments - Statement of Operations - Financial reporting - Common fund- Categories: Legal Structure and Investment types. Income statement- Integrated reporting – equity transactions- Income measurement. Fund GAV and NAV, IRR - Capital subscription, distribution, commitments - Distribution of waterfall and Management fees - Financial statements for funds / investment companies - SAL, SOP, SOC, SCF, SOI, FiHi.

TOTAL HOURS:60

TEXT BOOKS:

1. Sanjay Dhamija, —Financial Reporting and Analysis, SULTAN CHAND & SONS Educational Publishers New Delhi, First Edition: 2020.
2. Deepa Agarwal (2018), The Law & Practice of Financial Reporting and Auditor's Responsibilities under Companies Act, 2013, 1st edition, Bloomsbury Professional India, New Delhi
3. Deepa Agarwal (2017), Financial Reporting and Auditors Responsibility, 2nd edition, Bloomsbury Professional India, New Delhi.
4. M.S Narasimhan (2016), Financial Statement Analysis, 1st Edition, Cengage Learning India Private Limited, New Delhi.
5. Lawrence Revsine, Daniel Collins, Bruce Johnson, Fred Mittelstaedt, Leonard Soffer (2015), Financial Reporting and Analysis, 6th Edition, McGraw-Hill Education, New Delhi.
6. Subramanyam, K. R. and John, J.W. (2014), —Financial Statement Analysis, 10th Edition, Tata McGraw Hill, New Delhi.
7. Stephen H. Penman (2014) —Financial Statement Analysis and Security Valuation, 4th Edition, Tata McGraw Hill, New Delhi.
8. Charles H. Gibson (2013), Financial Statement Analysis, 13th edition, Cengage Learning India Private Limited, New Delhi.

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	3	3		-	-	-	-	-	2	-	2	-	3	2	1
CO2	3	-	3	3	3	-	-	-	-	3	-	-	-	-	3	2	1
CO3	3	-		3	3	-	-	-	-	3	-	-	-	-	3	2	1
CO4	3	-	3	3	3	-	-	-	-	3	2	-	2	-	3	2	1
CO5	3	-	3	3	3	-	-	-	-	3	-	-	2	-	3	2	1
Average	3	-	3	3	3	-	-	-	-	3	2	-	2	-	3	2	1

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

PREREQUISITE:

- Understanding of basic programming concepts, including variables, control structures, and data types. Familiarity with object-oriented principles and basic experience with Java programming.

COURSE OBJECTIVES(CO):

The goal of this course is for students to:

- Understand the fundamentals of programming, including variables, conditional and iterative execution, methods, and object-oriented programming in Java, such as defining classes, invoking methods, and using class libraries.
- Use the Java SDK environment to create, debug, and run simple Java programs, and apply Java across various technologies and platforms.
- Understand key concepts such as packages, access modifiers, interfaces, exception handling, and AWT components and classes in Java.

COURSE OUTCOMES(COs):

Upon completion of this course, the student will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Develop the ability to implement basic mathematical algorithms and series in Java.	Understand
CO2	Acquire skills in handling arrays and performing basic operations like sum and finding maximum values.	Analyze
CO3	Gain proficiency in handling string operations and understanding the fundamental concepts of Java programming.	Apply
CO4	Develop competency in exception handling and managing errors in Java applications.	Analyze
CO5	Understand and implement multithreading and thread prioritization to manage concurrent operations in Java.	Apply

LIST OF PROGRAMS

1. Write a program to find the sum of series $1+x+x^2+x^3+\dots$ **7 HOURS**
2. To find the sum of any number of integers entered as command line arguments **7 HOURS**

3. Write a program to find maximum and sum of an array **7 HOURS**
4. Write a Program to generate Fibonacci Series and Factorial for a number **7 HOURS**
5. Write a program to perform string operations **7 HOURS**
6. Write a program to show that during function overloading, if no matching argument is found, then java will apply automatic type conversions (from lower to higher data type) **7 HOURS**
7. Write a program to an exception out of bounds, if mark is greater than 100 throw an exception **7 HOURS**
8. Write a program —Divide by Zero that takes two numbers a and b as input, computes a/b, and invokes Arithmetic Exception to generate a message when the denominator is zero. **7 HOURS**
9. Write a program to generate multiplication table by multithreading. **7 HOURS**
10. Write a program to demonstrate priorities among multiple threads **7 HOURS**

TOTAL HOURS:72

TEXT BOOKS:

1. Cay S. Horstmann, Gary Cornell, 2019. Core Java 2 Volume 2 - Advanced Features, 9th Edition, Pearson.
2. Ben Evans and David Flanagan, 2019. Java in a Nutshell, Seventh Edition. O'Reilly Media, Inc.
3. E. Balaguruswamy, 2019. Programming with Java, 6th Edition, McGraw Hill.

WEBSITES:

1. <https://docs.oracle.com/java>
2. <https://www.tutorialspoint.com/java/index.htm>
3. <https://www.w3schools.com/java/>

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO 2
CO1	3	2	-	-	3	-	-	2	-	-	-	-	-	-	-	-	1
CO2	3	2	-	-	3	2	-	-	-	-	-	-	-	-	-	-	1
CO3	3	3	-	-	3	2	-	1	-	-	-	-	-	-	-	-	1
CO4	3	2	-	-	2	-	-	1	-	-	-	-	-	-	-	-	1
CO5	3	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
AVG	3	2.4	-	-	2.4	2	-	2	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

PREREQUISITE:

Not Required

COURSE OBJECTIVES(CO):

- Learn key concepts and algorithms in data encryption, and demonstrate the application of block encryption modes and hashing algorithms in real-life scenarios.
- Examine various cyber security threats and hacker techniques to evaluate risks and develop strategies for preventing unauthorized access.
- Understand universal human values and their role in promoting harmony and happiness in personal and interpersonal relationships, while assessing the connection between cyber security and personal values.

COURSE OUTCOMES(COs):

Upon completion of this course, the student will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Describe key concepts and algorithms in data encryption, like DES and AES.	Remember
CO2	Use different block cipher modes and hash functions (e.g., MD5, SHA) in real scenarios for secure data.	Apply
CO3	Analyze cyber security threats and evaluate hacker techniques (like SQL injection), suggesting countermeasures.	Analyze
CO4	Combine human values with cyber security to promote personal and social harmony and happiness.	Create
CO5	Critically assess the state of cyber security and its connection to personal values and aspirations.	Evaluate

UNIT - I INTRODUCTION TO SECURITY**2 HOURS**

Data Encryption Standard-Block cipher principles-block cipher modes of operation-Advanced Encryption Standard (AES)-Triple DES-Blowfish-RC5 algorithm.

UNIT - II PUBLIC KEY CRYPTOGRAPHY AND HASH ALGORITHMS **2 HOURS**

Principles of public key cryptosystems-The RSA algorithm-Key management - Diffie Hellman Key exchange- Hash functions-Hash Algorithms (MD5, Secure Hash Algorithm)

UNIT - III FUNDAMENTALS OF CYBER SECURITY **2 HOURS**

How Hackers Cover Their Tracks- Fraud Techniques- Threat Infrastructure- Techniques to Gain a Foothold (Shellcode, SQL Injection, Malicious PDF Files)- Misdirection, Reconnaissance, and Disruption Methods.

UNIT - IV INTRODUCTION OF UNIVERSAL HUMAN VALUES **3 HOURS**

Purpose and motivation for the course, recapitulation from universal human values I. Self-exploration-what is it? – its content and process; ‘Natural Acceptance’ and Experiential Validation- as a process for self-exploration. Continuous Happiness and prosperity. A look at basic human Aspiration. Right understanding, Relationship and physical Facilities-the basic requirements for fulfillment of aspirations of every human being with their correct priority. Understanding Happiness and prosperity correctly- A critical appraisal of the current scenario. Method of fulfill the above human aspirations: understanding and living in harmony at various levels.

UNIT - V UNDERSTANDING HARMONY IN THE HUMAN BEING – HARMONY IN MYSELF **3 HOURS**

Understanding human being as a co-existence of the sentiment ‘I’ and the material ‘Body’. Understanding the needs of self (‘I’) and ‘Body’ – sukh and Suvidha. Understanding the body as an instrument of ‘I’ (I being the doer, seer and enjoyer). Understanding the characteristics and activities of ‘I’ and harmony in ‘I’. Understanding the harmony of I with the Body: Sanyam and helth; correct appraisal of physical needs, meaning of prosperity in detail. Programs to ensure Sanyam and health.

TOTAL: 12 HOURS

TEXT BOOKS:

1. Gaur,R.R, Sangal,R and Bagaria,G.P,(2010). *A foundation course in Human Values and professional Ethics*, Excel books, New Delhi.
2. Schumacher. E.F, *Small is Beautiful: Economics as If People Mattered*,Perennial Library.
3. Cecile Andrews, (2006). *Slow is Beautiful*, New Society Publishers.
4. William Stallings, “Cryptography and Network Security”, Pearson Education, 6th Edition,2013.

REFERENCE BOOKS:

1. Joseph Cornelius Kumarappa,(Digitized 30 Oct 2019). *The Economy of Permanence*.
2. Mahatma Gandhi, (1983). *The Story of My Experiments with Truth*.
3. Maulana Abul Kalam Azad, (2017). *India Wins Freedom*, Create Space Independent Publishing Platform.
4. Romain Rolland, (1952). *The Life of Vivekananda and the Universal Gospel*,
Advaita ashrama.
5. Charles P. Pfleeger Shari Lawrence Pfleeger Jonathan Margulies, Security in Computing, 5th Edition,
Pearson Education, 2015

WEB SITES:

1. <http://www.arvindguptatoys.com/arvindgupta/gandhiexperiments.pdf>
2. <http://www.sanipanhwar.com/India%20Wins%20Freedom%20%20Maulana%20Abul%20Kalam%20Azad>
3. <https://estudentavedanta.net/The-Life-Of-Vivekananda-And-The-Universal-Gospel.pdf>
4. Web resources from NDL Library,
5. E-content from open-source libraries

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO 2
CO1	1	-	2	1	-	-	-	-	-	-	-	3	-	-	2	-	-
CO2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	2
CO3	1	-	-	-	2	-	-	-	-	-	-	-	-	-	2	-	-
CO4	1	-	-	-	-	-	3	-	-	-	-	-	-	-	3	-	1
CO5	1	-	-	3	-	-	-	-	-	-	-	-	-	-	3	2	1
Average	1	-	2	2	2		3	-	-	-	-	-	-	-	3	2.5	1.3

1 - Low, 2 - Medium, 3 - High, '-' No Correlation

PREREQUISITE:

Basic understanding of financial accounting principles.

COURSE OBJECTIVES (CO):

- Understand fundamental concepts of cost accounting, differentiate it from financial accounting, and prepare a basic cost sheet.
- Apply material inventory control techniques, labor cost accounting methods, and overhead cost allocation, including activity-based costing.
- Evaluate and implement various costing methods like job, contract, process, and service costing, and reconcile cost and financial accounts using both integral and non-integral systems.

COURSE OUTCOMES (COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	BloomsLevel
CO1	Understand and explain the fundamental concepts, objectives, and advantages of cost accounting, differentiate it from financial accounting, and prepare a basic cost sheet	Understand
CO2	Apply various material inventory control techniques and methods of pricing material issues, along with labor cost accounting and control methods, including different wage payment and incentive schemes	Apply
CO3	Analyze and allocate overhead costs, understand the implications of under- and over-absorption, and apply appropriate treatment for various cost items, including using activity-based costing	Analyze
CO4	Evaluate and implement different methods of costing such as job costing, contract costing, process costing, and service costing, including handling process losses and valuation of work in progress	Evaluate
CO5	Analyze and reconcile cost and financial accounts using both integral and non-integral systems, identify reasons for profit differences, and conduct cost audits	Analyze

UNIT I INTRODUCTION TO COST ACCOUNTING**19 HOURS**

Introduction - Meaning, Objectives and Advantages of Cost Accounting - Difference between Cost Accounting and Financial Accounting - Cost Concepts and Classifications - Elements of Cost - Installation of a Costing System - Role of a Cost Accountant in an Organization - Preparation of Cost sheet.

UNIT II MATERIAL AND LABOR**20 HOURS**

Elements of Cost: Material and Labor - Materials: Material/inventory control techniques - Accounting

and Control of Purchases - storage and issue of materials. Methods of Pricing of materials issues - FIFO, LIFO, Simple Average, Weighted Average, Replacement, Standard Cost. Treatment of Material Losses. Labour: Accounting and Control of labour cost. Methods of wage payment and the Incentive schemes- Halsey, Rowan, Taylor's Differential piece wage.

UNIT III OVERHEADS

19 HOURS

Elements of Cost: Overheads – Classification –Allocation -Apportionment and Absorption of Overheads – Underand Over-absorption - Capacity Levels and Costs -Treatments of certain items in costing like Interest on Capital -Packing Expenses -Bad debts -Research and Development Expenses - Activity Based Cost Allocation.

UNIT IV METHODS OF COSTING

19 HOURS

Methods of Costing - Job costing - Contract costing - Process Costing (Process Losses, Valuation of Work in Progress, Joint and By-Products), Service Costing (Only Transport).

UNIT V BOOK KEEPING IN COST ACCOUNTING

19 HOURS

Book Keeping in Cost Accounting - Integral and Non-Integral Systems - Reconciliation of Cost and Financial Accounts - Meaning – Need – Reasons for Differences in Profit - Problems in Preparations of Reconciliation Statement – Cost Audit.

Note: Distribution of marks - 20% theory and 80% problems

TOTAL HOURS: 96

TEXT BOOKS:

1. SP Jain and KL Narang, Simmi Agrawal, (2016), Cost Accounting Principles and Practice, 25thEdition, Kalyani Publishers, New Delhi.
2. M.N Arora, (2013) Cost Accounting – Principles and Practice, 12thEdition, Vikas Publishing, New Delhi.
3. M N Arora & Priyanka Katyal (2017), Cost Accounting, Vikas Publishing, New Delhi.
4. MinaxiRachchh & GunvantraiRachchh (2015), Cost Accounting - Methods and Techniques, Vikas Publishing, New Delhi.
5. CA Sachin Gupta (2020), Cost and Management Accounting, Taxmann Publication Pvt. Limited, Chennai
6. Charles T. Horngren, Srikant M. Datar, Madhav V.Rajan (2014), Cost Accounting – A Managerial Emphasis, 15thEdition, Pearson Education , New Delhi.
7. https://swayam.gov.in/nd1_noc20_mg53/preview

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	3		-	-	-	-	-	-	1	-	2	-	3	2	1
CO2	3	-	3	3	-	-	-	-	-	3	-	-	-	-	3	2	1
CO3	3	-	3	3	2	-	-	-	-	3	-	-	2	-	3	2	1
CO4	3	-	3	3	2	-	-	-	-	3	-	-	-	-	3	2	1
CO5	3	-	3	3	2	-	-	-	-	3	-	-	2	-	3	2	1
Average	3	-	3	3	2	-	-	-	-	3	1	-	2	-	3	2	1

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:6 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Basic understanding of financial concepts and accounting principles.

COURSE OBJECTIVES(CO):

- Understand the scope, objectives, and key activities in financial management and planning for estimating a firm's financial requirements.
- Apply financial techniques like compounding, discounting, and financial statement analysis for evaluating performance and determining optimal capital structure.
- Evaluate capital budgeting processes, financial leverage, dividend policies, and manage working capital effectively.

COURSE OUTCOMES(COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Understand the scope, objectives, and key activities in financial management and financial planning to estimate a firm's financial requirements.	Understand
CO2	Apply compounding and discounting techniques to calculate money values and use financial statement analysis for performance evaluation.	Analyze
CO3	Analyze the cost of different financing sources and evaluate capital structure. Analyze theories to determine an optimal capital structure.	Analyze
CO4	Evaluate the capital budgeting process using methods like NPV and IRR, and understand the impact of financial leverage.	Evaluate
CO5	Create effective dividend policies using various models and manage working capital through cash, receivables, and inventory management techniques.	Create

UNIT I INTRODUCTION**14 HOURS**

Introduction: Meaning- Definition, Nature, Scope and Objectives of Financial Management, Evolution of Financial Management, Types of financial decisions - Key Decision Areas in Financial Management - Key activities of Finance Manager Changing Role of Finance Managers. Financial Planning: Meaning- Definition- Objectives - Steps - Factors affecting financial planning- Estimation of financial requirements of a firm.

UNIT II TIME VALUE OF MONEY**14 HOURS**

Time value of Money: Introduction Process of Compounding and Discounting - Future Value-Presentvalue.Valuationofbondsandshares:Introduction -intrinsicvalue-book value -

Risk and Return- Concept and Calculation (including Capital Asset Pricing Model). Financial Statement Analysis: Interpretation & Analysis of fund flow statement- Cash Flow Statement- Financial Ratio- Common Size Statement- Comparative statement- Trend Analysis - Time Series.

UNIT III FINANCING DECISIONS

14 HOURS

Financing Decisions: Meaning of Cost of Capital - Sources of finance – Components of Cost of Capital - Cost of Equity, Cost of Retained Earnings, Cost of Debt and Cost of Preference Capital, Weighted Average Cost of Capital (WACC) - Capital Structure - Theories of Capital Structure - Net Income, Net Operating Income, MM Hypothesis, Traditional Approach - Determination of Capital Structure.

UNIT IV CAPITAL BUDGETING

15 HOURS

Capital Budgeting: The Capital Budgeting Process - Cash Flow Estimation – Payback - Period Method - Accounting Rate of Return - Net Present Value (NPV) - Net Terminal Value - Internal Rate of Return (IRR) - Profitability Index. Capital Rationing: Introduction- Types - Steps involved in capital rationing - Various approaches to Capital Rationing. Financial leverage: Introduction- Operating- Financial & Combined Leverage.

UNIT V DIVIDEND DECISIONS

15 HOURS

Dividend Decisions: Theories for Relevance and Irrelevance of Dividend Decision for Corporate Valuation- Walter's Model - Gordon's Model - MM Approach - Cash and Stock Dividend - Dividend Policies in Practice. Working Capital Decisions: Concept of Working Capital - Operating & Cash Cycles - Sources of Short-Term Finance - Working Capital Estimation - Cash Management - Receivables Management and Inventory Management.

TOTAL HOURS:72

Note: Distribution of marks -60% theory and 40% problems

TEXT BOOKS:

1. Pandey, I.M. (2016). Financial Management, 11th Edition, Vikas Publishing House, New Delhi.
2. Khan, M.K. and Jain, P.K (2017). Financial Management, 7th Edition, McGraw Hill, New Delhi
3. Chandra, P. (2017). Financial Management Theory and Practice, 9th Edition, McGraw Hill, New Delhi.
4. C. Paramasivan and T. Subramanian (2018), Financial Management, 1st Edition, New Age International Pvt. Limited, New Delhi.
5. Eugene F. Brigham Michael C. Ehrhardt (2017), Financial Management Theory and Practice, 15th Edition Cengage Publication, New Delhi.
6. Vanhorne, J.C. and Wachowicz, J.M. Jr. (2015). Fundamentals of Financial Management. 13th Edition, Pearson Education, New Delhi.
7. Lawrence J. Gitman, Chad J. Zutter (2017), Principles of Managerial Finance, 13th Edition, Pearson Education, New Delhi.
8. https://swayam.gov.in/nd2_cec20_mg10/preview

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-		3	3	-	-	-	-	-	-	-	-	-	2	2	1
CO2	3	-	2	-	3	2	-	-	-	-	-	-	-	-	2	2	1
CO3	3	-	2	3		2	-	-	-	-	-	-	-	-	2	2	1
CO4	3	-	-	3	3	2	-	-	-	-	-	-	-	-	2	2	1
CO5	3	1	-	3	3	-	-	-	-	-	-	-	-	1	-	2	1
Average	3	1	2	3	3	2	-	-	-	-	-	-	-	1	2	2	1

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:6 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Basic understanding of finance and economics.

COURSE OBJECTIVES (CO):

- Understand the concepts of financial markets, financial institutions, and regulatory bodies.
- Comprehend the various money market instruments and their operations.
- Learn the functions and practices of the new issue market, secondary market, and the roles of SEBI and NSDL in financial market operations.

COURSE OUTCOMES (COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	BloomsLevel
CO1	Understand the concept of financial markets, financial institutions, and regulatory bodies.	Understand
CO2	Comprehend the various money market instruments and their operations.	Understand
CO3	Know the functions and practices of the New Issues and Secondary Market.	Evaluate
CO4	Understand the functions of SEBI and NSDL.	Understand
CO5	Understand the procedures and practices of financial market operations.	Understand

UNIT I FINANCIAL SYSTEM IN INDIA**14 HOURS**

Financial System in India: Functions of the Financial System – Financial Concepts – Financial Assets – Financial Intermediaries – Financial Markets – Importance of Capital Market – Money Market – Foreign Exchange Market – Financial Rates of Return – Financial Instruments – Development of Financial System in India – Financial Markets Regulation Department (FMRD) — Financial System and Economic Development – Weaknesses of Indian Financial System.

UNIT II MONEY MARKET**14 HOURS**

Money Market: Definition – Money Market vs. Capital Market – Features of a Money Market – Characteristic Features of a Developed Money Market – Importance of Money

Market – Composition of Money Market – Call Money Market – Commercial Bills

Market or Discount Market – Bill Market Scheme – Treasury Bill Market – Money Market Instruments – Commercial Papers – Certificate of Deposit (CD) – Inter-bank Participation Certificate – Repo Instruments – Structure of Indian Money Market – Features or Deficiencies of Indian Money Market – Recent Developments – Discount and Finance House of India (DFHI).

UNIT III NEW ISSUE MARKET AND SECONDARY MARKET 14 HOURS

New Issue Market and Secondary Market: Meaning – Stock Exchange – Distinction between New Issue Market and Stock Exchange – Relationship between New Issue Market and Stock Exchange – Functions of New Issue Market – Methods of Floating New Issues – Players in the New Issue Market. Secondary Market - Introduction – Functions / Services of Stock Exchanges – Recognition of Stock Exchanges – Procedure – Organization of Stock Exchanges in India – Listing of Securities – Listing Procedure – Registration of Stock Brokers – Functions of Brokers – Kinds of Brokers and their Assistants – Methods of Trading in a Stock Exchange.

UNIT IV SECURITIES AND EXCHANGE BOARD OF INDIA 15 HOURS

Securities and Exchange Board of India - Securities Contracts (Regulations) Act – Malpractices in Securities Market – Deficiencies in the Market – Securities and Exchange Board of India (SEBI) – SEBI Guidelines – Prohibition of Unfair Trade Practices. Investors Protection - Need for Investors' Protection – Factors Affecting Investors' Interest – Investors' Protection Measures.

UNIT V DEPOSITORY SYSTEM 15 HOURS

Depository System : Definition and Meaning – Objectives of a Depository – Activities of the Depository – Interacting Institutions – Depository Process – Trading in a Depository System – Depositories in the International Market – Depository System in India – SEBI (Depositories and Participants) Regulation Act, 1996 – Depository Process in India – Benefit of Depository System – National Securities Depository Ltd. (NSDL) – Central Depository Services (India) Ltd. (CDSL) – Drawbacks – Remedial Measures.

TOTAL HOURS: 72

TEXT BOOKS:

1. E.Gordon and K.Natarajan (2016), Financial Markets and Institutions, Himalaya Publishing House, New Delhi.
2. L.M. Bhole and Jitendra Mahakud (2017) Financial Institutions and Markets, Mc Graw Hill Education (India) Pvt. Ltd., Chennai
3. Prof. Bimal Jaiswal, Dr. Bhuvana Venkatraman and Dr. Richa Banerjee (2019), Financial Markets, Institutions & Financial Services, Sahitya Bhawan Publications, Agra
4. Sandeep Goel (2018), Financial Markets Institutions and Services, PHI Learning Private Limited, New Delhi.
5. https://swayam.gov.in/nd2_imb20_mg39/preview

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	1	-	-	-		-	-	-	2	-	2	2	1
CO2	3	-	-	-	-	-	-	-	1	-	-	-	2	-	2	2	1
CO3	3	-	-	-	-	1	-	-		-	-	-	2	-	2	2	1
CO4	3	-	-	-	-	-	-	-		-	-	-	2	-		2	1
CO5	3	-	-	-	1	1	-	-	1	-	-	-	-	-	2	2	1
Average	3	-	-	-	1	1	-	-	1	-	-	-	2	-	2	2	1

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:5 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Basic understanding of finance and investment principles.

COURSE OBJECTIVES(CO):

- Acquire knowledge of the capital market sector, asset classes, and types of capital markets.
- Understand investments in funds, foreign exchange, equities, and the associated risks of owning shares.
- Learn about the features, benefits, and types of bonds, as well as derivatives and the trade lifecycle.

COURSE OUTCOMES(COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	BloomsLevel
CO1	Acquire knowledge on the capital market sector and gain knowledge on asset classes.	Understand
CO2	Understand about investment funds and foreign exchange.	Understand
CO3	Know about the equities, risk of owning charges, and types of capital markets.	Understand
CO4	Learn about the features, benefits, and types of bonds.	Understand
CO5	Understand about the derivatives and trade lifecycle.	Evaluate

UNIT I CAPITAL MARKET**12 HOURS**

Capital Market: Meaning – Features – Functions – Primary Market – Secondary Market

- Reasons for the sale of securities by Govt. and companies – Why do investors buy securities? – Return on investment – Who invest in securities – Market participants – Issuers – Investors – Regulators – Intermediaries – Stock Exchange – Stock Broker – Sub-Broker – Prime Broker – Investment Banking (IB) – Underwriter – Investment Management (IM) – Depository & Depository Participants – Custodian – Clearing Agency – Registrar and Transfer Agents (R&TA) – Credit Rating Agency – Data Vendors – Stock Market Indices.

UNIT II ASSET CLASSES**12 HOURS**

Asset Classes : Introduction to Financial Securities – Equity – Fixed Income – Money Market – Treasury Bill – Commercial Paper – Certificate of Deposit – Derivatives – Warrants – Investment Funds – Introduction to Investment Fund and Mutual Fund – Fund structure – Open Ended Fund, Closed Ended Fund, Exchange traded fund – Pension Fund – Insurance – Funds – Hedge fund – Private equity – Foreign Exchange (FX) – Introduction – Spot Vs Forward Market – Reading Currency Pair – Bid, Ask, Spread, PIP and Lot Size – Buying and Selling Forex.

UNIT III EQUITIES**12 HOURS**

Equities : Introduction, Features & Benefits – Types of Equity Capital - Common stock & Preferred stock – Risk of Owning shares – Corporate Action – Mandatory corporate action, Voluntary corporate action and mandatory with choice – Corporate Action Dates – Declaration date, CUM Date, Ex-date, Record Date & Payment Date – Introduction to EPS & PE Ratio – Procedures to invest in stock based on Price- earnings ratio (PE) – Over valued or Undervalued – Depository Receipts – Introduction – American Depository Receipt (ADR) – Global Depository Receipt (GDR) – Securities identifiers – Introduction - Committee on Uniform Securities Identification Procedures (CUSIP) - stock exchange daily official list (SEDOL) - International Securities Identification Numbering system (ISIN) – Types of Order – Market, Limit & Stop order - Equity trade ticket.

UNIT IV FIXED INCOME**12 HOURS**

Fixed Income: Introduction – features and benefits of bond – Why do people Invest in Bond – Who will issue Bonds? - Types of Bonds (Zero coupon, Callable, Puttable, Convertible, Floating rate, Step-up & step-down, Government, Corporate, Asset-backed securities – ABS & Mortgage-backed securities – MBS) – Influence of market interest rate on the bond price– Introduction to risk – Types of risk (Interest Rate, credit, liquidity, inflation etc.) – Accrued Interest of the Bond – Day Count Convention - Present Value of a Single payment received/paid in Future - Present Value of an Annuity-Basic Relationships for Premiums and Discounts-Selling Price of a Bond-Components of Bond Trade Ticket.

UNIT V DERIVATIVES**12 HOURS**

Derivatives : Introduction – Spot Vs Derivative Market – Players in Derivative Market – Hedgers , Speculators , Arbitrageurs – Forwards – Non-deliverable forward, Deliverable forward, Sample trade – Futures – Underlying instruments – Market to market margin – Sample Trade - Futures Trade Ticket – Option – Types of Option – Call & Put Option – Exchange Traded Vs OTCOption – Swaption – Option on futures – Interest Rate Option – Option Exercising – Option Strategies – Option Trade Ticket – Swaps – Interest rate, Currency, Credit Default Swaps

TOTAL HOURS:60**TEXT BOOKS:**

1. NCMF–Financial Market Beginner’s Module–Published by National Stock Exchange of India
2. Understanding Different Asset Classes–Published by NSDL (National Securities Depository Ltd)
3. Securities Market (Basic) Module – Published by National Stock Exchange of India Limited
4. NISM – Series VII – Securities Operations & Risk Management – Published by National Institute of Securities Markets
5. Introduction to Bond– Published by PIMCO, A company of Allianz.
6. NCMF – Capital Market (Dealers) Module – Published by National Stock Exchange of India.

7. NCFM – FIMMDA – NSE – Debt Market (Basic) Module – Published by National Institute of Securities Markets
8. Understanding Financial Derivatives – Prof. Manohar V Dansingani, ACMA, CSCA, CSSBBP
9. NCFM–DerivativeMarket(Dealers)Module–PublishedbyNationalStock Exchange of India
10. Security Analysis and Portfolio Management – Punithavathy Pandian – Published by Vikas Publication House Pvt. Ltd. 2009

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	3	2	2	1	-	-	-	3	-	-	-	-	2	1	2
CO2	3	-	2	2	2	1	-	-	-	3	-	-	-	-	2	1	2
CO3	3	-	2	2	2	-	-	-	-	3	-	-	-	-	2	1	2
CO4	3	-	2	2	2	-	-	-	-	3	-	-	-	-	1	1	2
CO5	3	-	-	2	2	-	-	1	-	3	-	-	-	-	1	1	2
Average	3	-	2.3	2	2	1	-	1	-	3	-	-	-	-	1.6	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:5 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Basic understanding of programming concepts and data analysis.

COURSE OBJECTIVES(CO):

- Understand the historical context and foundational principles of R programming and Apply techniques for importing, exporting, and managing data within R.
- Create and optimize R scripts for vectorized operations and data frame management.
- Analyze and improve R code functionality through debugging, profiling, and understanding scoping rules and control structures.

COURSE OUTCOMES(COS):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	BloomsLevel
CO1	Understand the evolution, basic features, and design limitations of R, and utilize R resources effectively.	Understand
CO2	Apply methods to read, write, and manage data from various sources using R and relevant packages.	Apply
CO3	Create and manipulate vectors, matrices, and data frames, and perform vectorized operations using R.	Apply
CO4	Analyze code for errors and inefficiencies using R's debugging and profiling tools, improving overall code performance.	Analyze
CO5	Evaluate the use of control structures and scoping rules in R to develop optimized and maintainable scripts.	Analyze

UNIT-I HISTORY AND OVERVIEW OF R**12 HOURS**

History and Overview of R : The S Philosophy - Back to R -Basic Features of R - FreeSoftware - Design of the R System - Limitations of R- R Resources .Getting Started with R :Installation - Getting started with the R interface -.R Nuts and Bolts :Entering Input - Evaluation -R Objects - Numbers - Attributes - Creating Vectors - Mixing Objects - Explicit Coercion - Matrices -Lists -Factors - Missing Values - Data Frames - Names .

UNIT-II GETTING DATA IN AND OUT OF R**12 HOURS**

Getting Data In and Out of R :Reading and Writing Data - Reading Data Files with read.table() - Reading in Larger Datasets with read.table - Calculating MemoryRequirements for R Objects . Using the readr Package .Using Textual and Binary Formats for Storing Data :Using dput() and dump() – Binary Formats - Interfaces to the Outside World : File Connections - Reading Lines of a Text File - Reading From a URL Connection

UNIT-III VECTORIZED OPERATIONS**12 HOURS**

Vectorized Operations :Vectorized Matrix Operations .Dates and Times :Dates in R - Times in R - Operations on Dates and Times .Managing Data Frames with the dplyr package :Data Frames -The

dplyr Package - dplyr Grammar - Installing the dplyr package - select() - filter() -arrange() - rename() - mutate() - group_by()-%>% .Control Structures :if-else - for Loops - Nested for loops - while Loops - repeat Loops - next, break .

UNIT-IV FUNCTIONS

12 HOURS

Functions: Functions in R - Your First Function - Argument Matching - Lazy Evaluation – The Argument - Arguments Coming After the Argument .Scoping Rules of R : A Diversion on Binding Values to Symbol - Scoping Rules - Lexical Scoping: Why Does It Matter? -Lexical vs. Dynamic Scoping -- Application: Optimization - Plotting the Likelihood.

UNIT-V DEBUGGING

12 HOURS

Debugging -:Something’s Wrong! - Figuring Out What’s Wrong - Debugging Tools in R . Using traceback() - Using debug() - Using recover().Profiling R Code: Using system.time() . Timing Longer Expressions - The R Profiler - Using summaryRprof().

TOTAL HOURS:60

TEXT BOOKS:

1. Daniel Navarro,(2013). *Learning Statistics with R*. University of Adelaide Publications.
2. Garrett Grolemond and Hadley Wickham (2016). *R for Data Science*
3. Hadley Wickham, (2014).*Advanced R Programming*, (1st ed.)
4. Jeffrey Stanton,(2013). *Introduction to Data Science, with Introduction to R*, Version3
5. Roger.D.Peng, (2015).*R Programming for Data Science*

WEBSITES :

1. <https://www.r-project.org/>
2. <https://www.datamentor.io/r-programming/>
3. https://www.datacamp.com/courses/free-introduction-to-r?utm_

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	3	-		-	-	-	-	-	-	-	-	-	-	1	2
CO2	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	1	2
CO3	3	-	3	-		-	-	-	-	2	-	-	-	-		1	2
CO4	3	-	3	-		-	-	-	-	2	-	-	-	-	2	1	2
CO5	3	-	-	-	2	-	-	-	1		-	-	-	-	2	1	2
Average	3	-	3	-	2	-	-	-	1	2	-	-	-	-	2	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:0T:0 P:6

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Basic understanding of programming and data analysis concepts.

COURSE OBJECTIVES(CO):

- Understand fundamental R programming concepts and their applications in data analysis.
- Apply R programming techniques to manipulate and visualize various data types.
- Create scripts and functions in R to automate data analysis tasks and extract meaningful insights from datasets.

COURSE OUTCOMES(COS):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	BloomsLevel
CO1	Understand key R programming concepts and their roles in data analysis.	Understand
CO2	Apply R programming skills to perform data manipulation and visualization tasks.	Apply
CO3	Create efficient R scripts and functions for automating repetitive data analysis processes.	Apply
CO4	Analyze complex datasets using R to identify patterns and derive insights.	Analyze
CO5	Evaluate the outcomes of various data analysis methods implemented in R and choose the most effective one for a given problem.	Amalyze

LIST OF PROGRAMS

1. Write a program to demonstrate functions and operators **6 HOURS**
2. Vectors: Grouping values into vectors, then doing arithmetic and graphs with them **6 HOURS**
3. Matrices: Creating and graphing two-dimensional data sets **6 HOURS**
4. Summary Statistics: Calculating and plotting some basic statistics: mean, median, and standard deviation **6 HOURS**
5. Factors: Creating and plotting categorized data **6 HOURS**
6. Data Frames: Organizing values into data frames, loading frames from files and merging them **6 HOURS**
7. Write a program to design R as a calculator **6 HOURS**
8. Write a program to demonstrate Probability distributions **6 HOURS**

9. Write a program to demonstrate Importing and exporting data **6 HOURS**
 10. Write a program to Establish a Regression **6 HOURS**
 11. Write a R program to concatenate two given factor in a single factor. **6 HOURS**
 12. Write a R program to convert a given pH levels of soil to an ordered factor. **6 HOURS**

TOTAL :72 HOURS

TEXT BOOKS:

1. Daniel Navarro,(2013). *Learning Statistics with R*. University of Adelaide Publications.
2. Garrett Grolemond and Hadley Wickham (2016). *R for Data Science*
3. Hadley Wickham, (2014). *Advanced R Programming*, (1st ed.)
4. Jeffrey Stanton,(2013). *Introduction to Data Science, with Introduction to R, Version3*
5. Roger.D.Peng, (2015). *R Programming for Data Science*

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
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CO3	3	-	2	1	-	-	-	-	-	-	-	-	-	-	-	1	2
CO4	3	-	-	1	-	-	-	-	-	-	-	-	-	-	2	1	2
CO5	3	-	-	-	-	-	-	1	-	-	-	-	-	-	2	1	2
Average	3	-	2	1	-	-	-	1	-	-	-	-	-	-	2	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:0 T:0 P:0

Marks: Internal:100 External:0 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Not Required

COURSE OBJECTIVES(CO):

- Explore career alternatives and integrate theory with practice before graduation.
- Assess personal interests and abilities in the chosen field of study.
- Develop work habits, attitudes, and essential communication and interpersonal skills for job success and the interview process.

COURSE OUTCOMES(COS):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	BloomsLevel
CO1	Explore career alternatives prior to graduation and integrate theory and practice.	Understand
CO2	Assess interest and abilities in their field of study.	Evaluate
CO3	Develop work habits and attitudes necessary for job success.	Apply
CO4	Develop communication, interpersonal, and other critical skills in the job interview process.	Apply
CO5	Build a record of work experience.	Create

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	1	1		-	-	-	-	2	-	-	-	-	1	2
CO2	3	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	2
CO3	3	-	-	-	-	-	-	-	-	-	2		1	-	-	1	2
CO4	3	1	1	-	-	-	1	-	-	-	2	1	-	-	1	1	2
CO5	3	-	-	-	-	-	-	-	-	-	-	-	--	-	-	1	2
Average	3	1	1	1	1	-	1	-	-	-	2	1	1	-	1	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

PREREQUISITE:

Basic understanding of financial accounting and cost accounting principles.

COURSE OBJECTIVES(CO):

- Gain a comprehensive understanding of management accounting principles, including cost control and management techniques.
- Develop proficiency in analyzing financial statements using horizontal, vertical, and ratio analysis for decision-making.
- Apply standard costing, variance analysis, and budgeting techniques to assess performance, enhance cost management, and improve financial planning and control.

COURSE OUTCOMES(COS):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Gain a comprehensive understanding of management accounting principles, including cost control and cost management techniques.	Understand
CO2	Develop proficiency in analyzing financial statements using horizontal, vertical, and ratio analysis for effective decision-making.	Analyze
CO3	Apply standard costing and variance analysis methods to assess performance and improve cost management strategies.	Apply
CO4	Demonstrate the ability to make informed decisions using marginal costing, cost-volume-profit analysis, and break-even analysis.	Evaluate
CO5	Acquire skills in budgeting and budgetary control, including zero-based budgeting and performance budgeting, to enhance financial planning and control.	Apply

UNIT I MANAGEMENT ACCOUNTING**14 HOURS**

Management Accounting – Introduction –Meaning – Objectives - Nature and Scope of Management Accounting –Difference between Cost Accounting and Management Accounting - Cost control and Cost Reduction - Cost management.

UNIT II FINANCIAL STATEMENT ANALYSIS**14 HOURS**

Financial Statement Analysis-Horizontal and Vertical Analysis – Ratio Analysis:Meaning– Advantages–Limitations- Classifications of ratios. Fund Flow Statement:Meaning–Uses– Limitations. Cash Flow Statement: Meaning–Uses–Limitations-Sources and uses of cash-AS3 Standard format.

UNIT III STANDARD COSTING**14 HOURS**

Standard Costing - Standard Costing: Standard Costing and Variance Analysis: Meaning of Standard Cost and Standard Costing –Advantages -Limitations and Applications. Variance Analysis – Material –Labour -Overheads and Sales Variances. Disposition of Variances - Control Ratios.

UNIT IV MARGINAL COSTING AND DECISION MAKING**15 HOURS**

Marginal Costing and Decision Making - Absorption versus Variable Costing: Distinctive Features and Income Determination. Cost-Volume-Profit Analysis, Profit/Volumeratio. Break- even Analysis-Algebraic and Graphic Methods.Angle of Incidence- Margin of Safety - Key Factor - Determination of Cost Indifference Point.

UNIT V BUDGETARY CONTROL AND CONTEMPORARY ISSUES**15 HOURS**

Budgetary Control and Contemporary Issues - Budgeting and Budgetary Control - Concept of budget -Budgeting and Budgetary Control –Objectives -Merits and Limitations. Budget Administration - Functional budgets - Fixed and Flexible Budgets - Zero Base Budgeting - Programme and Performance Budgeting.

TOTAL HOURS:72

Note:Distribution of marks -30% theory and 70% problems

TEXT BOOKS:

1. M.Y. Khan, P.K. Jain (2017), Management Accounting, 7th Edition, McGraw Hill Education, New Delhi.
2. Dr. S N Maheshwari, CA Sharad K Maheshwari & Dr Suneel K Maheshwari (2018), A Textbook of Accounting for Management, 4th Edition S. Chand Publishing, New Delhi.
3. Alnoor Bhimani, Charles T. Horngren, Srikant M. Datar, Madhav Rajan (2015), Management and Cost Accounting, 6th Edition, Pearson Education, New Delhi.
4. Narasimhan (2017), Management Accounting, Cengage Learning Publishing, New Delhi.
5. The Institute of Company Secretaries of India (2018), Corporate and Management Accounting, M P Printers
6. https://swayam.gov.in/nd1_noc20_mg65/preview

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	3	3	1	-	-	-	-	-	-	-	-	-	-	1	2
CO2	3	-	3	3	-	-	-	-	-	1	-	-	-	-	2	1	2
CO3	3	-	3	3	-	1	-	-	2	-	-	-	-	-	2	1	2
CO4	3	-	3	3	-	-	-	-	2	-	-	-	-	-	-	1	2
CO5	3	-	3	3	-	-	1	-	2	-	-	-	-	-	2	1	2
Average	3	-	3	3	1	1	1	-	2	1	-	-	-	-	2	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:5 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Basic understanding of business concepts and management principles.

COURSE OBJECTIVES (CO):

- Understand the concept of entrepreneurship, its scope, importance, and the skills required for success.
- Develop insights into different types of business entities and the essential managerial functions for small business success.
- Learn about sources of business ideas, feasibility studies, and the process of developing and presenting business plans.

COURSE OUTCOMES (COS):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Gain a comprehensive understanding of entrepreneurship, including its scope, importance, and the skills required to be successful.	Understand
CO2	Develop insights into different types of business entities, their economic roles, and the managerial functions necessary for small business success.	Understand
CO3	Acquire knowledge about women entrepreneurship, including economic empowerment, growth factors, challenges, and potential solutions.	Understand
CO4	Learn about sources of business ideas, feasibility studies, and the process of developing and presenting business plans or project proposals for external evaluation.	Evaluate
CO5	Understand the role of government assistance and business incubation in promoting entrepreneurship, including types and benefits of business incubators and facilitators in India..	Apply

UNIT I ENTREPRENEURSHIP**12 HOURS**

Entrepreneurship :Meaning, Scope and Importance of Entrepreneurship - Evolution of entrepreneurial thought - Entrepreneurship as a CareerOption - Functions of Entrepreneurs - Entrepreneurial Characteristics and Skills - Entrepreneur vs. Manager - Creativity & Creative Process - Types of Entrepreneurs (Clarence Danhoff's Classification) - Intrapreneurship – Concept and Types (Hans Scholl hammer's Classification) - Entrepreneurship in different Contexts: Technopreneurship, cultural entrepreneurship, international entrepreneurship, Netpreneurship, Ecopreneurship, and social entrepreneurship

UNIT II TYPES OF BUSINESS ENTITIES**12 HOURS**

Types of Business Entities: Micro, Small and Medium Enterprises. Concept of business

groups and role of business houses and family business in India. Values, business philosophy and behavioral orientations of family business in India. – Procedure for Starting New Business in India - Managerial roles and functions in small business. Entrepreneur as the manager of his business

UNIT III WOMEN ENTREPRENEURSHIP

12 HOURS

Women Entrepreneurship: Introduction-Concept-Definition of Women Entrepreneur
- Economic Empowerment and Entrepreneurship - Functions of Women Entrepreneurs - Growth and Development of Women Entrepreneurship - Areas for Development of Women Entrepreneurs - Problems and Remedies of Women Entrepreneurs

UNIT IV BUSINESS IDEAS AND FEASIBILITY STUDIES

12 HOURS

Sources of Business Ideas and Feasibility Studies: Sources of business ideas and tests of feasibility. Significance of writing the business plan/ project proposal. Contents of business plan/project proposal. Designing business processes, location, layout, operation, planning & control; preparation of project report. Project submission/ presentation and appraisal by external agencies - financial/non-financial.

UNIT V BUSINESS INCUBATION

12 HOURS

Government Assistance for the Promotion of Entrepreneurship - Business Incubation :Introduction - Evolution of Business Incubators – Definition - Historic Development of Business Incubators - Establishing Business Incubator - Types of Incubators - Value Framework of Business Incubator - Performance of Business Incubator in Industrially Developed Countries - Business Incubator Successful - Business Incubators and Facilitators in India - Incubators help Start-ups get Funding - Role of Business Incubator in the Present Scenario – Startup – Standup- Mudra – ASPIRE.

TOTAL HOURS:60

TEXT BOOKS::

1. Robert Hisrich and Michael Peters and Dean Shepherd (2018), Entrepreneurship, 10th Edition, McGraw Hill, New Delhi.
2. David H. Holt (2016), Entrepreneurship, 1st Edition, Pearson Education, New Delhi.
3. Sangeetha Sharma (2017), Entrepreneurship Development, PHI Learning Pvt. Ltd., New Delhi.
4. Poornima M., Charan Math (2018), Entrepreneurship Development and Small Business Enterprises, 3rd Edition, Pearson Education, New Delhi
5. S.S. Khanka (2012), Entrepreneurial Development, S. Chand and Sons, New Delhi.
6. https://swayam.gov.in/nd1_noc20_hs66/preview

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	2	-	-	-	-	-	1	-	-	-	-	2	2	1	2
CO2	3	-	-	1	2	-	1	-	-	-	1	-	-	-	2	1	2
CO3	3	-	2	-	2	-	-	-	1	-	-	-	1	-	2	1	2
CO4	3	1	-	1	2	-	-	-	-	1	1	-	-	2		1	2
CO5	3	-	2	-	-	1	-	1	-	1	-	-	-	2	2	1	2
Average	3	1	2	1	2	1	1	1	1	1	1	-	1	2	2	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

PREREQUISITE:

Basic understanding of programming and logic concepts.

COURSE OBJECTIVES(CO):

- Understand the fundamental concepts and problem-solving methods of AI.
- Learn various knowledge representation techniques and analyze inference and planning strategies.
- Apply programming skills in Prolog for logic-based problem solving.

COURSE OUTCOMES(COS):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Understand the basics of AI, problem formulation, and production systems.	Understand
CO2	Apply various knowledge representation techniques such as predicate logic and frame-based systems.	Apply
CO3	Analyze knowledge inference methods and planning strategies in AI.	Analyze
CO4	Evaluate the architecture and roles of expert systems in various applications.	Evaluate
CO5	Create logic-based programs using Prolog for solving complex problems.	Analyze

UNIT I - INTRODUCTION TO AI AND PRODUCTION SYSTEMS**12 HOURS**

Introduction to AI-Problem formulation, Problem Definition -Production systems, Control strategies, Search strategies. Problem solving methods – Problem graphs, Matching. Heuristic functions - Hill Climbing-Depth first and Breadth first search, A* Algorithm, Simulated Annealing, Constraints satisfaction.

UNIT II - REPRESENTATION OF KNOWLEDGE**12 HOURS**

Game playing –Predicate logic – Representing Instance and Isa Relationship, Introduction to predicate calculus, Resolution, Knowledge representation -Production based system, Frame based system

UNIT III - KNOWLEDGE INFERENCE & PLANNING**12 HOURS**

Inference – Backward chaining, Forward chaining, Rule value approach, Fuzzy reasoning –

Certainty factors -Basic plan generation systems – Strips -Advanced plan generation systems – K strips.

UNIT IV- LEARNING AND EXPERT SYSTEMS

12 HOURS

Learning- Machine learning, Adaptive Learning.Expert systems – Architecture of expert systems, Roles of expert systems – Knowledge Acquisition – Meta knowledge. Typical expert systems–MYCIN, DART, XOOD, Expert systems shells.

UNIT V – PROLOG

12 HOURS

Programming in Logic (PROLOG): Introduction, Prolog variables, Syntax, Using rules, Input and Output predicates, Procedural and declarative meanings, Arithmetic operation, unification, lists, control structures, use of fail, CUT, Not.

TOTAL HOURS:60

TEXT BOOKS:

1. Kevin Knight and Elaine Rich, Nair B.,2018. “Artificial Intelligence (SIE)”, Mc Graw Hill.
2. Dan W. Patterson, 2017. “Introduction to AI and ES”, Pearson Education.
3. Ivan Brako,2017. PROLOG: Programming for Artificial Intelligence,3rd edition Pearson.
4. Peter Jackson, 2016. “Introduction to Expert Systems”, 3rd Edition, Pearson Education.
5. Stuart Russel and Peter Norvig 2016. “AI – A Modern Approach”, 2nd Edition, Pearson Education.
6. Deepak Khemani 2015. “Artificial Intelligence”, Tata Mc Graw Hill Education.

WEBSITES

1. https://www.tutorialspoint.com/artificial_intelligence/index.htm
2. <https://nptel.ac.in/courses/106/105/106105077/>

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	-	2	-	-	-	3	-	-	-	-	2	1	2
CO2	3	-	-	-	-	-	-	-	-	3	-	-	-	-	-	1	2
CO3	3	-	2	-	-	2	-	-	-	-	-	-	-	-	-	1	2
CO4	3	-	-	2	-	-	-	-	-	3	-	-	-	-	-	1	2
CO5	3	-	2	2	-	-	-	-	-	-	-	-	-	-	2	1	2
Average	3	-	2	2	-	2	-	-	-	3	-	-	-	-	2	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:5 T:0 P:0**Marks: Internal:40 External:60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:**

Basic understanding of financial markets and banking operations.

COURSE OBJECTIVES (CO):

- Acquire knowledge of investment banking operations and the services offered by investment banks.
- Understand risks, market data providers, and the trade lifecycle.
- Learn about fund administration processes in investment banking.

COURSE OUTCOMES (COs):**Upon completion of this course, the students will be able to:**

COs	COURSE OUTCOMES(COs):	BloomsLevel
CO1	Acquireknowledgeonthe InvestmentBankingOperations.	Understand
CO2	GainknowledgeonservicesofferedbyInvestmentBank.	Understand
CO3	UnderstandaboutRisks &MarketDataProviders.	Evaluate
CO4	Knowabout theTradeLife Cycle.	Understand
CO5	LearnabouttheFundadministration	Apply

UNIT I INTRODUCTION TO INVESTMENT BANKING**12 HOURS**

Investment Banking – Introduction - Investment Banking Services – Underwriting and types - Investment bank structure - Types of Investment Banks– Commercial Bank vs InvestmentBank - RoleofInvestmentBanking in Financial Market - Role of investment banks during the last financial crisis 2008.

UNIT II INVESTMENT BANKING SERVICES**12 HOURS**

Introduction - Custody Services - Transfer Agency – Safekeeping & Settlements, Reporting & Record keeping – Investible Cash - Income Process - Corporate Actions – Collateral Services - Reconciliation - Securities Valuation – Pricing - Fund Accounting– Financial Reporting

UNIT III RISK AND MARKET DATA PROVIDERS**12 HOURS**

Risk: Concept of Risk – Risk Management – Types of Risk – Market Risk - Credit Risk – LiquidityRisk – RegulatoryRisk – Operational Risk – Risk Mitigating strategies. Market Data Providers: – Meaning – Players – Reference Data – Market Data

UNIT IV TRADE LIFE CYCLE**12 HOURS**

Introduction – Transaction Types - Stages of tradelifecycle-Pre-Trade–Trade-PostTrade– EquityTradeLifeCycle-Frontoffice-Middleoffice -Backoffice–PartiesinTrade Life Cycle.

UNIT V FUND ADMINISTRATION**12 HOURS**

Role of Fund Administrator – Support FunctionsofFundAdministration -

Responsibilities of Fund Administrator – Technology – Fees – Accounting and other reporting services – Compliance Services – Portfolio Administration – NAV, pricing and valuations – Pricing Assets – Pricing controls & failure impact

TOTAL HOURS:60

TEXT BOOKS:

1. Investment Banking Guide, Allison Otto – Published by Vanderbilt University – By
2. Invest Banking & Financial Services – Published by Gopalan College of Engineering & Management
3. Securities Operations – A Guide to Trade & Position Management – Michael Simmons – Published by John Wiley & Sons, LTD.
4. Introduction to Investment Banking Career, Read intro books.com
5. Investment Banking, Concepts, Analysis and Cases, Pratap Giri S, McGraw Hill India.
6. Investment Banking, Pradeep Subramaniam, McGraw Hill Education
7. Custody Services – Comptroller’s Handbook Jan 2002
8. The Custody Services of Banks – July 2016 – Published by The Clearing House
9. Investment Banking: Valuation, LBOs, M&A, and IPOs, Joshua Rosenbaum · Joshua Pearl, - Published by Wiley
10. Investment Banking and Financial Services, Dr. S.K. Yadav,
11. NISM – Series VII – Securities Operations & Risk Management – Published by National Institute of Securities Markets
12. Minimum Capital Requirements for Market Risk – Jan 2019 – Published by Basel Committee on Banking Supervision
13. CISI – Global Securities Operations – Edition 16, April 2020 – Published by Chartered Institute for Securities & Investment – Author - Kevin Petley, Chartered FCSI
14. Investment Banking, CA. Tapan Jindal, Published by Bharat Law House Pvt. Ltd.
15. Risk and Market Data Providers, Dr. K.M. Bhattacharya, Published by Himalaya Publishing House Pvt., Ltd.
16. The Trade Lifecycle: Behind the Scenes of the Trading Process, Robert P Baker, John Published by Wiley & Sons Inc
17. Fundamentals of Fund Administration – Published by CESR

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	1	3	-	-	-	-	1	-	-	-	-	1	-	1	2
CO2	3	-	-	3	2	-	-	-	-	2	1	-	-	-	-	1	2
CO3	3	-	1	-	2	1	-	-	1	-	-	-	-	-	-	1	2
CO4	3	1	-	3	-	-	1	-	-	2	-	-	-	-	-	1	2
CO5	3	-	-	3	2	-	-	-	-	2	-	-	-	1	-	1	2
Average	3	1	1	3	2	1	1	-	1	2	1	-	-	1	-	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

PREREQUISITE:

- Basic understanding of programming and problem-solving concepts.

COURSE OBJECTIVES(CO):

The goal of this course is for students to

- Identify problems suitable for AI solutions, select appropriate AI methods, and formalize these problems in the context of different AI frameworks.
- Implement basic AI algorithms and design empirical evaluations of these algorithms to assess their effectiveness.
- Apply knowledge representation, reasoning, and machine learning techniques to real-world problems and state the conclusions from evaluations.

COURSE OUTCOMES (COs):

Upon completion of this course, the student will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Explore career alternatives prior to graduation & integrate theory and Practice	Understand
CO2	Assess interest and abilities in their field of study	Evaluate
CO3	Develop work habits and attitudes necessary for job success	Apply
CO4	Develop communication, interpersonal and other critical skills in the job interview process	Apply
CO5	Build a record of work experience	Create

LIST OF PROGRAMS

Write the following programs using PROLOG

1. Program to read address of a person using compound variable. **7 HOURS**
2. Program of fun to show concept of cut operator. **7 HOURS**
3. Program to count number of elements in a list. **7 HOURS**
4. Program to find member of a set. **7 HOURS**
5. Program to concatenate two sets. **7 HOURS**
6. Program to find permutation of a set. **7 HOURS**

- | | |
|--|----------------|
| 7. Program to demonstrate family relationship. | 7 HOURS |
| 8. Write a program to solve N queens problem | 7 HOURS |
| 9. Solve any problem using depth first search. | 8 HOURS |
| 10. Solve any problem using best first search. | 8 HOURS |

TOTAL HOURS:72

TEXT BOOKS:

- Kevin Night and Elaine Rich, Nair B.,2017. “Artificial Intelligence (SIE)”, Mc Graw Hill.
- Dan W. Patterson,2007. “Introduction to AI and ES”, Pearson Education.
- Ivan Brako, 2011. PROLOG: Programming for Artificial Intelligence,3rd edition Pearson.
- Peter Jackson, 2007. “Introduction to Expert Systems”, 3rd Edition, Pearson Education.

WEBSITES

- <https://nptel.ac.in/courses/106/105/106105077/>

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	2	-	-	-	-		-	-	-	-	-	-	2	1	-
CO2	3	-	2	-	-	-	-	1	-	-	-	-	-	-	-	1	-
CO3	3	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-
CO5	3	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-	2
Average	3	-	2	-	-	-	-	1	-	-	-	-	-	-	2	-	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:0 T:0 P:8

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

- Basic understanding of research methodologies and statistical concepts.

COURSE OBJECTIVES(CO):

- Select appropriate research problems and sampling techniques, and develop instruments for data collection.
- Conduct statistical analyses and interpret the results effectively.
- Draft comprehensive project reports based on the analysis and interpretations.

COURSE OUTCOMES(COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	BloomsLevel
CO1	Choose the right problem for the study and select the appropriate sampling technique.	Understand
CO2	Construct instruments for data collection.	Create
CO3	Carry out the statistical analysis.	Analyze
CO4	Write the interpretation for the statistical analysis.	Evaluate
CO5	Draft the project report.	Create

The students should select a problem in Accounting, Finance, Marketing or any other areas related to commerce.

Report should contain

- ❖ Introduction **20 HOURS**
 - Introduction about the industry
 - Introduction about the Company
 - Review of literature–Minimum10 papers from referred journal
 - Need for the Study
 - Objectives
- ❖ Research Methodology **20 HOURS**
 - Research Design
 - Sampling Design
 - Sources of Data Collection
 - Tools used for analysis
 - Limitation

- ❖ Data analysis and interpretation **20 HOURS**
- ❖ Findings and Suggestions **20 HOURS**
- ❖ Conclusion **8 HOURS**
- ❖ Bibliography (APAformat) **8 HOURS**

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	1	2	3	-	-	-	1	-	-	-	-	-	3	-	2
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CO3	3	-	-	2	3	-	-	1	-	-	1	-	-	-	3	-	2
CO4	3	-	1	2	3	-	-	-	1	-	-	-	-	-	3	-	2
CO5	3	1	-	-	-	-	-	-	-	-	1	-	-	1	-	-	2
Average	3	1	1	2	3	1	-	1	1	1	1	-	-	1	3	-	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L: 6 T: 0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Student should be familiar with Basic Finance Principles , Financial Accounting and Business Law.

COURSE OBJECTIVES(CO):

- Gain fundamental knowledge of international finance, including exchange rate mechanisms and determination.
- Understand the roles and functions of the International Monetary Fund (IMF) and the World Bank, as well as the regulatory and supervisory frameworks of international financial markets.
- Learn about foreign exchange dealings and risk management strategies.

COURSE OUTCOMES(COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Gain fundamental knowledge on international finance	Understand
CO2	Understand the concept of exchange rate mechanism and determination	Understand
CO3	Comprehend the role and function of international monetary fund and world bank	Understand
CO4	Grasp knowledge on regulatory and supervisory framework of International financialmarkets	Apply
CO5	Understand on foreign exchange dealings and risk management	Apply

UNIT I FUNDAMENTALS OF FOREIGN EXCHANGE**14 HOURS**

Fundamentals of foreign exchange - Need for foreign exchange - Definitions - International trade and foreign exchange - Gains from international trade - International finance - Gains from international capital flow - Globalization of markets.

UNIT II EXCHANGE RATE MECHANISM**14 HOURS**

Exchange rate mechanism - Types of exchange rates- Factors affecting exchange rates and forward rates - Types of quotation - Rules for quoting exchange rate regime in India - Evolution, Development and Present status - Theories of exchange rate determination - Exchange rate forecasting

UNIT III INTERNATIONAL MONETARY SYSTEM**14 HOURS**

International Monetary System - Gold Standard - Bretton Wood System and Subsequent International Monetary Developments - Floating Rate Regime - Role and Functions of International Monetary Fund and World Bank - European Monetary system and Euro Balance of Payment - India's Balance of Payment position - Elements of open Economy. Capital and Current Account Convertibility - Fundamental parity relations - purchasing

power parity covered and uncovered - Interest Rate parity - International Fisher Effect.

UNIT IV INTERNATIONAL FINANCIAL MARKETS 15 HOURS

International Financial Markets - Segments, Participants and Dealing Procedures - Classification of Markets - Borrowing and Investing in International Financial Markets. Instruments and Institutions - Foreign Exchange Market in India - Evolution and Development - Major Centres - Classification - Interbank and Customer Markets - Regulatory and Supervisory Framework - Role of RBI and FEDAI - FEMA and Exchange Control Regulations.

UNIT V FOREIGN EXCHANGE RISK MANAGEMENT 15 HOURS

Foreign Exchange Risk Management - Defining and Measuring Risk and Exposure - Types of Exposures - Accounting of Foreign Exchange Transactions - Hedging, arbitrage and Cover Operations - Hedging with Foreign Exchange Contracts - Booking, Early Delivery, Extension and Cancellation of Forward Contracts - Inter Bank Dealings - Swaps and Cover Operations - Forex and Money Market Operations - Currency and Funds Position - Foreign Exchange Dealings and Risk Management - Risk Control and Risk Management System - Hedging with Derivatives - FRAs Swaps Futures and Options.

TOTAL: 72 HOURS

TEXT BOOKS::

1. Apte (2020), International Financial Management, 8th Edition, Mc Graw Hill, New Delhi Bhalla V.K. (2014), International Financial Management – Text and Cases, S.Chand, New Delhi
2. Steve Suranovic (2010), International Finance: Theory and Policy, Saylor Foundation, Washington
3. Rajiv Srivastava(2014), International Finance, Oxford University Press, New Delhi
4. Somanath, V.S (2011), International Financial Management, I.K. International Publishing House Pvt. Ltd., New Delhi

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	3	-	2	-	-	-	-	-	-	-	-	-	-	1	2
CO2	3	-	3	-	2	-	-	-	-	-	-	-	-	-	-	1	3
CO3	3	-	3	2	-	-	-	-	2	-	-	2	-	-	-	2	2
CO4	3	-	3	2	-	-	-	-	2	-	-	2	-	-	-	2	3
CO5	3	-	3	2	2	-	-	-	2	-	-	2	-	-	-	1	3
Average	3	-	3	2	2	-	-	-	2	-	-	2	-	-	-	1.4	2.6

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L: 6 T: 0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Student should be familiar with Basic Statistics and outline in Data Analysis.

COURSE OBJECTIVES(CO):

- Analyze the research problem, develop a data capture blueprint, and utilize suitable statistical techniques for lifelong learning.
- Critically formulate research and sampling designs that fit the problem context.
- Communicate the research problem, design approaches, and sampling techniques effectively in both oral and written formats.

COURSE OUTCOMES(COS):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Analyse the research problem and design the blue print to capture data and analyse the same using appropriate statistical techniques and apply the learning lifelong.	Analyze
CO2	Critically formulate the research design and sampling design suitable for the problem.	Apply
CO3	Communicate orally and written for the research problem, research design, sampling techniques.	Understand
CO4	Design a report to communicate the findings and suggestion to make business decision	Apply
CO5	Communicate in written form and prepare report to support decision making.	Apply

UNIT I RESEARCH**14 HOURS**

Research: Meaning – Objectives – Types of Research – Significance of Research – Research Process – Criteria of Good Research – Identification of Research Problem – Research Design.

UNIT II SAMPLING**14 HOURS**

Sampling: Meaning – Steps in Sample Design – Characteristics of a Good Sample Design – Determination of Sample Size – Sampling Techniques – Probability and Non- Probability Sampling – Sampling Error.

UNIT III SOURCES OF DATA**14 HOURS**

Sources of Data: Methods of Data Collection – Primary Data – Interview Method – Observation Method – Questionnaire – Schedule – Secondary Data – Processing of Data - Editing – Coding - Classification – Tabulation

UNIT IV ANALYSIS OF DATA**15 HOURS**

Analysis of Data: Hypothesis – Characteristics – Concepts of Hypothesis – Null Hypothesis - Alternative Hypothesis - Level of Significance - Test of Hypothesis -Type I and Type II error – Chi-square test – t test – F test – ANOVA – Scaling Techniques.

UNIT V INTERPRETATION AND REPORT WRITING**15 HOURS**

Interpretation and Report Writing: Interpretation – Meaning – Technique of Interpretation, Precautions – Report Writing- Steps in Writing Report – Types of Reports – Technical and Popular Report – Oral Presentation – Precaution for Writing Research Reports.

TOTAL: 72 HOURS

Note: The question paper shall cover 80% theory and 20% **problem**.

TEXT BOOKS:

1. **Dr.R.Velmurugan and Dr.M.Suryakumar (2019)**, Text Book on Research Methodology, Karpagam Publications, Coimbatore
2. **C.R. Kothari, Gaurav Garg (2018)**, Research Methodology, Fourth Edition, New Age International Publishers, New Delhi.
3. **Uma Sekaran, Roger Bougie (2018)**, Research Methods for Business: A Skill- Building Approach, 7th edition, Wiley, New Delhi.
4. **Donald Cooper and Pamela Schindler (2017)**, Business Research Methods, 11th Edition, McGraw Hill education, New Delhi.
5. **Zikmund William G. et.al (2016)**, Business Research Methods, Cengage India, New Delhi.
6. **Mark N.K. Saunders, Philip Lewis, Adrian Thornhill (2015)**, Research Methods for Business Students, 7th Edition, Pearson Education, New Delhi.
7. https://swayam.gov.in/nd2_cec20_hs17/preview
8. https://swayam.gov.in/nd2_arp19_ap72/preview

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	1	-	-	3	-	-	-	-	1	-	-	-	1	1	1
CO2	3	-	1	-	-	3	-	-	-	-	-	-	-	-	-	1	1
CO3	3	2	-	-	-	3	-	-	-	-	-	-	-	-	2	1	1
CO4	3	2	-	1	-	3	-	-	-	-	-	-	-	-	2	1	1
CO5	3	2	-	1	-	3	-	-	-	-	-	-	-	-	-	3	3
Average	3	2	1	1	-	3	-	-	-	-	1	-	-	-	1.7	1.4	1.4

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L: 6 T: 0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Student should be familiar with basic International Business and Business Law.

COURSE OBJECTIVES(CO):

- Provide an overview of global business operations, foreign transactions, and issues related to import and export.
- Learn about international tendering, subcontracting, and India's international trade policies.
- Understand trends in international trade and their implications.

COURSE OUTCOMES(COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Get an overview of functioning of global business and foreign transactions	Evaluate
CO2	Get an exposure to the students on various issues concerned with import and export	Understand
CO3	Learn about international tendering and subcontracting	Understand
CO4	Know international trade policies of India	Understand
CO5	Know the trends in international trade	Apply

UNIT I WORLD ECONOMY**14 HOURS**

World Economy -Global Interdependence -Multinational Banks & Insurance -Policies & Nationalism, International Marketing & Law -Balance of Trade -Balance of Payments Globalization and market effects of Tariffs and Quotas.

UNIT II IDENTIFICATION OF EXPORT MARKETS**14 HOURS**

Identification of export markets - Organizing for Exports - entry conditions - Pricing Export Promotion councils – commodity boards – Registration procedures – types of exporters Export cargo insurance.

UNIT III INTERNATIONAL TENDERING & SUBCONTRACTING**14 HOURS**

International tendering & subcontracting -product development & on export pricing sale and payment terms in a trade contract -settlement of trade disputes -protection against risk in foreign trade -role of ECGC -various guarantee schemes of ECGC -Financing foreign trade

UNIT IV INDIA'S TRADE POLICIES**15 HOURS**

India's Trade Policies -Trade policies in the context of WTO -Export-Import Procedures Documentation.

UNIT V INDIA'S FOREIGN TRADE**15 HOURS**

India's foreign trade -trends -balance of payments crisis and solutions -Liberalisation in the 1990's - trade policy package -policy on foreign direct investments -fiscal aspects rupee convertibility.

TOTAL: 72 HOURS

TEXT BOOKS:

1. Kripalani, VH (2010), International Marketing, New Delhi, Prentice Hall.
2. Varshney R.L, &Bhattacharya B (2001), International Marketing Management, New Delhi, Sultan Chand
3. VergheseS.K (2008), Foreign Exchange &Financing of Foreign Trade, New Delhi, Vikas.

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	1	1	1	-	3	-	-	-	1	-	1	-	-	1	1	3
CO2	3	-	-	1	-	3	-	-	-	1	-	1	-	-	-	1	3
CO3	3	1	-	-	-	3	-	-	-	1	-	1	-	-	-	1	3
CO4	3	1	-	-	-	3	-	-	-	1	-	1	-	-	-	1	3
CO5	3	-	1	-	-	3	-	-	-	1	-	1	-	-	-	1	3
Average	3	1	1	1	-	3	-	-	-	1	-	1	-	-	1	1	3

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L: 6 T: 0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Student should be familiar with Principles of Management

COURSE OBJECTIVES(CO):

- Understand the basic aspects of organizational behavior, including current trends, organizational structure, and change.
- Develop positive attitudes, approaches, and effective communication skills within an organization.
- Enhance students' knowledge of personality, motivation, leadership, and their application in organizational settings.

COURSE OUTCOMES(COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Gain knowledge on basic aspects of organizational behaviour in current scenario	Understand
CO2	Learn approaches of the organization	Understand
CO3	Apply personality and motivation	Apply
CO4	Analyse of organizational structure and change	Analyse
CO5	Improve their ability in leadership and communication	Analyse

UNIT I INTRODUCTION**14 HOURS**

Introduction: Definition, nature and importance of Organizational behaviour, historical background of organizational behaviour, relationship between Organizational behaviour and the individual, theoretical framework (Cognitive, behaviouristic and cognitive) limitations of Organizational behaviour

UNIT II PERCEPTION, ATTITUDES AND VALUES**14 HOURS**

Perception, attitudes and values: Perception - importance and factors influencing perception, interpersonal perception - Learning – classical, operant & social cognitive approaches, managerial implications - Emotions – emotional intelligence – Attitudes – values and attitudes, behaviour relationship – sources, importance, components of attitude, relationship between behaviour and attitude, job attitude, barriers to change attitude

UNIT III PERSONALITY AND MOTIVATION THEORIES**14 HOURS**

Personality and motivation theories: Personality – types-factors influencing personality theories – trait theories – the big five personality model, significant personality traits suitable to the workplace (personality & job fit theory) personality test & their practical applications - Motivation – definition & concept of motive & motivation, the content theories of motivation (Maslow & Hierarchy and Herzerg's two factor model theory), the process theories (Vrooms expectancy and porter and lawler model) contemporary theories – equity theory of work motivation.

UNIT IV ORGANIZATIONAL STRUCTURE**15 HOURS**

Organizational structure: Organizational structure formation – groups in organizations - influence group dynamics - Organizational change – meaning and definition and nature of organizational change, types of organizational change forces that act as stimulants to change, how to overcome the resistance to change, approaches to organizational change, Kurt Lewins three step model, Kottlers 8 steps plan for implementing change.

UNIT V LEADERSHIP APPROACHES**15 HOURS**

Leadership approaches: Leadership – concept of leadership, styles and trait approach, contingency approach, contemporary leadership, meaning and significance of contemporary leadership -Communication – communication, function, process, barriers, forms-Stress management – stressors in work place, individual differences an experiencing stress – managing workplace stress.

TOTAL: 72 HOURS**TEXT BOOKS:**

1. Aswathappa, Organizational Behaviour, Himalaya Publishing House, Mumbai
2. Ghanekar, Anjali, Organizational Behaviour, Everest Publication
3. Mishra, Organizational Behaviour, Vikas Publishing House Pvt Ltd., New Delhi
4. Pardeshi.P.C . Organizational Behaviour, Everest Publication
5. Prasad, Organizational Behaviour, Sultan Chand & Sons, New Delhi
6. Robbins&Stephen, Organizational Behaviour, Pearson Publication
7. Sekaran, Organizational Behaviour, Text & Cases Tata McGraw Hill
8. Uma Sekaran, Organizational Behaviour, Tata McGraw Hill

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	1	-	-	1	3	-	-	-	-	-	-	-	-	2	1	1
CO2	3	-	-	-	-	3	-	-	-	-	-	-	-	-	-	1	1
CO3	3	-	1	-	-	3	-	-	-	-	-	-	-	-	2	1	1
CO4	3	-	-	-	-	3	-	-	-	-	1	-	1	-	-	1	1
CO5	3	1	-	-	-	-	1	-	-	-	-	-	-	1	2	1	1
Average	3	1	1	-	1	3	1	-	-	-	1	-	1	1	2	1	1

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L: 0 T: 0 P:6

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Student should be familiar with Basic Statistics, Data Analysis Skills and Microsoft Excel.

COURSE OBJECTIVES(CO):

- Gain proficiency in using descriptive analytics tools effectively.
- Familiarize oneself with univariate analysis tools and their practical applications.
- Understand the practical implementation of bivariate analysis methods in analytical tasks.

COURSE OUTCOMES(COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Create datasheet and enter the data and compute descriptive Statistics	Analyze
CO2	Perform univariate and bivariate analysis in the software package.	Analyze
CO3	Perform multivariate analysis in the software package.	Analyze
CO4	Demonstrate capabilities of problem-solving, critical thinking, and communication skills to infer the output.	Apply
CO5	Understand various quantitative techniques.	Understand

LIST OF EXPERIMENTS

- | | | |
|----|------------------------------|-----------------|
| 1. | Simple Frequency | 8 HOURS |
| 2. | Descriptive Statistics | 8 HOURS |
| 3. | Analysis of Variance (ANOVA) | 8 HOURS |
| 4. | Independent _t' test | 8 HOURS |
| 5. | Paired _t' test | 8 HOURS |
| 6. | Correlation | 8 HOURS |
| 7. | Regression | 8 HOURS |
| 8. | Garrett Ranking Techniques | 16 HOURS |

TOTAL: 72 HOURS**TEXT BOOKS:**

1. Andy Field (2005), Discovering Statistics using SPSS, Sage Publications Ltd., New Delhi
2. Sabine Landan and Brian S Everitt (2003), A Handbook of Statistical Analysis using SPSS, Chapman and Hall, United Kingdom

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	-	-	3	2	-	-	-	-	1	-	-	-	-	-	-	1
CO2	-	-	-	3	2	2	-	-	-	1	-	-	-	-	-	-	1
CO3	-	-	-	3	2	2	-	-	-	1	-	-	-	-	-	-	1
CO4	-	1	1	3	-	-	-	-	1	-	-	-	-	-	-	-	1
CO5	1	-	-	3	-	2	-	-	1	-	-	-	-	-	-	-	1
Average	1	1	1	3	2	2	-	-	1	1	-	-	-	-	-	-	1

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L: 6 T: 0 P:0**Marks: Internal:40 External:60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:**

Student should be familiar with Financial Accounting, Investment Principles and Portfolio Theory.

COURSE OBJECTIVES(CO):

- Develop the ability to make well-informed investment decisions by understanding investment management, fundamental and technical analysis, and risk-return evaluations.
- Build skills in effectively managing investment portfolios, applying portfolio management theories such as CAPM and APT.
- Enhance capabilities in selecting and evaluating securities for constructing efficient portfolios using advanced financial models, aiming for optimal performance and strategic adjustments.

COURSE OUTCOMES(COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Gain the ability to make informed investment decisions through an understanding of investment management, fundamental and technical analysis, and risk-return analysis.	Analyze
CO2	Develop the skills to manage investment portfolios effectively, utilizing portfolio management processes and theories like CAPM and APT.	Apply
CO3	Enhance capabilities in selecting and evaluating securities for efficient portfolio construction using advanced financial models.	Analyze
CO4	Acquire the expertise to assess and compare portfolio performance, leading to better investment strategies and adjustments.	Evaluate
CO5	Learn to implement portfolio revision strategies, ensuring continual optimization and alignment with investment goals, including private equity considerations.	Create

UNIT I INVESTMENT**14 HOURS**

Investment - Nature and scope of Investment Management – Importance of Investment management – Factors influencing Investment Management – Fundamental and technical analysis – Economic analysis – Industry analysis – Company analysis – Efficient market hypothesis- Time Value of Money – Risk Return Analysis – Annualized Return, Compound Annual Growth – Qualified Investment Plan.

UNIT II CONCEPT OF PORTFOLIO MANAGEMENT**14 HOURS**

Concept of Portfolio Management – Objective of Portfolio Management- Alternative Investment Funds – Portfolio – Management process, targeting, designing, auditing and revising portfolios. Portfolio Theory: Capital Asset Pricing Model (CAPM). Arbitrage Pricing Theory (APT) – Reconciling CAPM and APT.

UNIT III PORTFOLIO ANALYSIS**14 HOURS**

Portfolio analysis: Evaluation of Securities - Choice of Securities for Inclusion in the

Portfolio – Measuring return and risk – Attainable set of Portfolio. Portfolio Selection - Ascertaining Efficient Portfolio – Locating Efficient Frontier – Markowitz Approach. Single Index Model – Portfolio Choice - Utility Theory and Indifference Curve.

UNIT IV PORTFOLIO PERFORMANCE EVALUATION 15 HOURS

Portfolio Performance Evaluation: Dimensions of Evaluation – Sharpe Measure – Treynor Measure – Jensen Measure – Comparison of the Three Measure of Portfolio Performance – Portfolio Insurance.

UNIT V PORTFOLIO REVISION 15 HOURS

Portfolio revision: Needs and Problems – Methods of Revision Formula Plan for Revision Constant value, Constant Ratio and Variables plans- Private Equity.

TOTAL: 72 HOURS

TEXT BOOKS:

1. Zvi Bodie, Alex Kane, Alan Marcus, Pitabas Mohanty, (2017), Investments, 10th Edition, Mc Graw-Hill, New Delhi
2. Prasanna Chandra, (2017), Investment Analysis and Portfolio Management, 5th Edition, Mc Graw Hill, New Delhi
3. S. Kevin (2015), Security Analysis and Portfolio Management, 2nd Edition, PrenticeHall of India, New Delhi.
4. Dhanesh Kumar Khatri, (2010), Investment Management and Security Analysis –Text and Cases, 2nd Edition, Laxmi Publications, New Delhi.
5. M. Ranganathan, R. Madhumathi, (2011), Security Analysis and Portfolio Management, 2nd Edition, Pearson Education, New Delhi
6. <https://www.coursera.org/learn/portfolio-management>

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	2	-	3	-	-	1	-	-	-	-	-	-	1	1	2
CO2	3	-	-	1	3	-	-	-	-	-	-	-	-	-	-	1	3
CO3	3	-	2	-	3	1	-	-	-	-	-	-	-	-	-	1	3
CO4	3	-	2	-	3	-	-	-	1	-	-	-	-	-	1	1	2
CO5	3	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1	3
Average	3	-	2	1	3	1	-	1	1	-	-	-	-	-	1	1	2.6

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L: 6 T: 0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Student should be familiar with Introduction to Business, Information Technology and Principles of Marketing.

COURSE OBJECTIVES(CO):

- Gain understanding of electronic commerce (e-commerce) and its advantages.
- Explore network infrastructure elements like LANs, WANs, Intranets, Extranets, and the Internet.
- Analyze consumer-focused e-commerce applications from the consumer's viewpoint, evaluating their effectiveness.

COURSE OUTCOMES(COS):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Gain an introductory knowledge on electronic commerce	Understand
CO2	Describe about knowledge on Network Infrastructure	Understand
CO3	Gain applications knowledge on electronic commerce	Understand
CO4	Gain knowledge on security framework	Analyze
CO5	Gain essential knowledge on directory services	Apply

UNIT I INTRODUCTION TO E-COMMERCE**14 HOURS**

Introduction to e-Commerce: Electronic Commerce and its Benefits– Impact of Electronic Commerce – Classification of Electronic Commerce – Applications of Electronic Commerce Technologies – Business Models – Architectural Framework.

UNIT II NETWORK INFRASTRUCTURE**14 HOURS**

Network Infrastructure: Network Infrastructure – Local Area Networks – Wide Area Network – Intranet, Extranet and Internet – TCP/IP Reference Model – Domain Name Systems – Internet Industry Structure. Information Distribution and Messaging: File Transfer Protocol Applications – Electronic Mail – World Wide Web Server – HTTP – Web servers Implementations.

UNIT III CONSUMER ORIENTED APPLICATIONS**14 HOURS**

Consumer Oriented Applications: Consumer Oriented Application, Mercantile Models from the Consumer's perspective – Types of Electronic Payment System, Digital Token based Electronic Payment Systems, Smart Cards Electronic Payments, and Designing Electronic Payment system.

UNIT IV SECURING THE BUSINESS ON INTERNET**15 HOURS**

Securing the Business on Internet: Security Policy, Procedures and Practices – Site Security – Protecting the Network – Firewalls – Securing the Web Service - Security Network Transaction – Transaction Security – Cryptology – Cryptology Algorithms –Public Key Algorithm – Authentication Protocols – Digital Signatures – Electronic Mail Security – Security Protocols for Web Commerce.

UNIT V SEARCH ENGINES AND DIRECTORY SERVICES**15 HOURS**

Search Engines and Directory Services: Search Engines and Directory Services – Information Directories – Internet Advertising – Electronic commerce Applications – Cyber Law – Introduction – Concept of Cyberspace – Cyber Law in electronic commerce contract Aspects – Electronic Governance – Drupal.

TOTAL: 72 HOURS**TEXT BOOKS:**

1. Bhasker, B. (2017). Electronic Commerce Framework, Technologies and Applications. New Delhi: McGraw Hill Educations.
2. Jaiswal.S. (2000). E-Commerce IElectronic Communication for Business). New Delhi:
3. Kalakota, R., & Whinston, A. B. (2002). Frontiers of Electronic Commerce. New Delhi: Pearson Education India.
4. Rayudu, C. (2010). E-Commerce and E-Business. Mumbai: Himalaya Publishing House
5. Rayport, & Jaworeski, B. J. (2009). Introduction to E-Commerce. Noida , UP: McGraw Hill Publishing Company Limited
6. Tomasi, W. (2008). Electronic Communication Systems Fundamentals Through Advanced. New Delhi: Pearson Education
7. Viswanathan, S. (2012). The Indian Cyber Law. New Delhi: Bharat Law House

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	2	-	-	-	-	2	-	-	-	-	1	3	1
CO2	3	-	1	-	2	-	-	-	-	-	-	-	-	-	-	2	1
CO3	3	-	-	1	-	-	-	-	-	2	-	-	-	-	-	2	1
CO4	3	-	-	-	2	-	-	1	-	-	-	-	-	-	1	3	1
CO5	3	-	-	-	-	1	-	-	-	2	-	-	-	-	-	3	1
Average	3	-	1	1	2	1	-	1	-	2	-	-	-	-	1	2.6	1

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

PREREQUISITE:

Student should be familiar with Principles of Management, Business Law and Corporate Finance.

COURSE OBJECTIVES(CO):

- Gain knowledge of ethical practices and professional ethics across various business environments and cultural contexts.
- Comprehend the social responsibilities and accountability of businesses, along with the principles of corporate governance.
- Understand the concepts of corporate social responsibility (CSR) and its significance in contemporary business practices.

COURSE OUTCOMES(COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Understand vital concepts of Corporate Governance	Understand
CO2	Gain knowledge on ethical practices followed at business	Evaluate
CO3	Understand the professional ethics and ethical values of different cultures	Understand
CO4	Comprehend social responsibilities of business	Evaluate
CO5	Gain knowledge on Corporate Social Responsibility and Accountability	Understand

UNIT I CORPORATE GOVERNANCE**14 HOURS**

Corporate Governance: Issues, need, corporate governance code, transparency & disclosure, role of auditors, board of directors and shareholders; Global issues of governance, accounting and regulatory frame work, corporate scams, committees in India and abroad, corporate social responsibility.

UNIT II VALUES**14 HOURS**

Values – Importance, Sources of Value Systems, Types, Values, Loyalty and Ethical Behaviour, Values across Cultures; Business Ethics – Nature, Characteristics and Needs, Ethical Practices in Management.

UNIT III ETHICAL VALUE SYSTEM**14 HOURS**

The Ethical Value System – Universalism, Utilitarianism, Distributive Justice, Social Contracts, Individual Freedom of Choice, Professional Codes; Culture and Ethics – Ethical Values in different Cultures, Culture and Individual Ethics.

UNIT IV LAW AND ETHICS**15 HOURS**

Law and Ethics – Relationship between Law and Ethics, Other Bodies in enforcing Ethical Business Behavior, Impact of Laws on Business Ethics; Social Responsibilities of Business – Environmental Protection, Fair Trade Practices, Fulfilling all National obligations under

various Laws, Safeguarding Health and wellbeing of Customers.

UNIT V CORPORATE SOCIAL RESPONSIBILITY

15 HOURS

Corporate Social Responsibility – Introduction – System Concept of Business Society – Business and Society Relationship – Business Environment – Business in a Social World – Social Responsibility – Corporate Social Responsibility – Corporate Social Accountability – Social Responsibility Tools.

Total: 72 HOURS

TEXT BOOKS:

1. Balachandran (2011). Corporate Governance, Ethics and Social Responsibility. Prentice Hall of India, Bangaluru
2. Kitson Alan- Ethical Organisation, Palgrave, L. T. Hosmer: The Ethics of Management, Universal Book.
3. D. Murray : Ethics in Organizational, Kogan Page.
4. S. K. Chakraborty : Values and Ethics in Organisation, OUP
5. https://swayam.gov.in/nd2_ntr19_ge06/preview

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	1	2
CO2	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	2
CO3	3	-	-	-	-	-	1	-	-	-	-	-	3	-	-	1	2
CO4	3	-	-	-	-	-	-	-	-	-	-	-	3	1	-	1	2
CO5	3	-	-	-	-	-	1	-	-	-	-	-	3	-	-	1	2
Average	3	-	-	-	-	-	1	-	-	-	-	1	3	1	-	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L: 6 T: 0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

Student should be familiar with Basic Finance Principles and Corporate Finance

COURSE OBJECTIVES(CO):

- Educate students on derivatives and their various categories.
- Provide knowledge on options and futures contracts.
- Familiarize students with stock futures and their applications in financial markets.

COURSE OUTCOMES(COs):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Gain an understanding of the concept of Derivatives and its types	Understand
CO2	Get acquainted about Options and Futures	Understand
CO3	Understand about stock futures	Apply
CO4	Describe about hedging and the development position of derivatives in India	Understand
CO5	Gain mastery over the financial derivatives market in India	Understand

UNIT I INTRODUCTION TO DERIVATIVES**14 HOURS**

Introduction to derivatives - Definition of Financial derivatives- Features – Types - History of Derivatives Markets - Uses of Derivatives - Forward Market: Forward Contract concept - Features - Classification of Forward Contracts - Forward Trading Mechanism - Forward Prices Vs Future Prices.

UNIT II OPTIONS AND SWAPS**14 HOURS**

Options and Swaps – Concept – Types – Option Valuation– Option Positions Naked and Covered Option – Underlying Assets in Exchange-traded Options – Determinants of Option Prices – Binomial Option Pricing Model – Black-Scholes Option Pricing – Basic Principles of Option Trading – SWAP: Concept, Evaluation and Features of Swap – Types of Financial Swaps – Interest Rate Swaps – Currency Swap – Debt-Equity Swap.

UNIT III FUTURES**14 HOURS**

Futures - Financial Futures Contracts - Types of Financial Futures Contract - Evolution of Futures Market in India - Traders in Futures Market in India - Functions and Growth of Futures Markets- Theories of Future prices - Future prices and Risk Aversion - Forward Contract Vs. Futures Contracts.

UNIT IV HEDGING AND STOCK INDEX FUTURES**15 HOURS**

Hedging and Stock Index Futures – Concepts – Perfect Hedging Model – Basic Long and Short Hedges – Cross Hedging – Basis Risk and Hedging – Basis Risk Vs Price Risk – Hedging Effectiveness – Devising a Hedging Strategy – Hedging Objectives – Management of Hedge – Concept of Stock Index – Stock Index Futures – Stock Index Futures as a

Portfolio management Tool – Speculation and Stock Index Futures – Stock Index Futures Trading in Indian Stock Market.

UNIT V FINANCIAL DERIVATIVES MARKET IN INDIA

15 HOURS

Financial Derivatives Market in India – Need for Derivatives - Evolution of Derivatives in India - Major Recommendations of Dr. L.C. Gupta Committee –Derivatives Trading at NSE/BSE – Eligibility of Stocks –Emerging Structure of Derivatives Markets in India.

Total: 72 HOURS

TEXT BOOKS:

1. Gupta S.L., (2008), Financial Derivatives – Theory, Concepts and Problems, Prentice Hall of India, Delhi
2. Kumar S.S.S (2007), Financial Derivatives, Prentice Hall of India, Delhi
3. Chance, Don M (2001), Derivatives and Risk Management Basics, Cen gage Learning, Delhi
4. Stulz M. Rene, (2009), Risk Management and Derivatives, Cen gage Learning, Delhi

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2	1
CO2	3	-	-	-	-	-	-	-	-	-	1	-	-	-	2	2	1
CO3	3	-	-	-	-	-	-	-	-	-	1	-	-	-	2	2	1
CO4	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	1
CO5	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	1
Average	3	-	1	1	-	-	-	-	-	-	1	-	-	-	2	2	1

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

PREREQUISITE:

Student should be familiar with Financial Accounting, Risk Management and Types of Insurance.

COURSE OBJECTIVES(CO):

- Understand the concept of risk, including its interpretations and the various types of business and personal risks.
- Apply principles of insurance pricing and marketing, focusing on tools and techniques used in pricing life and health insurance products.
- Explore factors influencing insurance organizations, such as insurable interest, policy riders, and the role of rural insurance, while designing and developing insurance products with considerations for risk evaluation and future trends.

COURSE OUTCOMES(COS):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Understand the concept of risk, its interpretations, and the types of business and personal risks.	Understand
CO2	Apply principles of insurance pricing and marketing, including tools and techniques used in pricing life and health insurance.	Apply
CO3	Identify factors influencing insurance organizations, such as insurable interest, riders in policies, and the role of rural insurance.	Evaluate
CO4	Design and develop insurance products, considering risk evaluation and future trends.	Analyze
CO5	Analyze the impact of privatization and reforms in the Indian insurance industry on economic growth.	Analyze

UNIT I RISK**14 HOURS**

Risk : Introduction, interpretations of the term 'risk', types of business and personal risks, significance of risk management function within business organizations Insurance and Risk - significance of insurance and risk, general structure of the insurance market, significant aspects of this industry

UNIT II INSURANCE PRICING AND MARKETING**14 HOURS**

Insurance Pricing and Marketing: Principles of insurance pricing and marketing, tools and techniques used in pricing individual life and health insurance - Financial Management in Insurance Companies and Insurance a Ombudsman: importance of financial management in insurance companies, tools of managing expenses in the insurance companies, modes used by the insurance companies in channelizing their funds Reinsurance: reinsurance in the

insurance sector. Areas of the application of reinsurance. Information Technology in Insurance - application of information technology in the insurance sector, role of insurance companies in insurance security, contours of the future of insurance in rural areas.

UNIT III LIFE INSURANCE & NON-LIFE INSURANCE

14 HOURS

Life Insurance & Non-life Insurance: Factors influencing the key functioning of insurance organizations insurable interest, role of riders in insurance policies - Non-life Insurance - elements of fire insurance contract and its ancillary features. Significance of marine insurance and its various policies, the role of rural insurance in making people's lives better in rural India -Non-life Insurance - II - types of motor insurance policies, critical aspects of aviation industry in the country, significance of liability insurance in India – Nomination – Assignment .Functions and Organization of Insurers - components of the distribution system of life insurance companies in the country, role of agents in the life insurance sector in India, important activities carried out in a life insurance organization

UNIT IV PRODUCT DESIGN AND DEVELOPMENT

15 HOURS

Product Design and Development: Product development in the life and non-life insurance sectors in India, role of risk evaluation in the process of insurance product formation, future trends in the domain of insurance product design and development - **Insurance Underwriting** - need for insurance underwriting, factors that affect the activities performed by the underwriter, steps involved in the process of insurance underwriting - **Claims Management**: factors affecting the insurance claim management system, types of documents needed in various types of claims, meaning of 'Causa Proxima' in insurance claim settlement. Human Life Values – Embedded Value – Actuarial valuation.

UNIT V REFORMS IN INDIAN INSURANCE INDUSTRY

15 HOURS

Reforms in Indian Insurance Industry: Importance of the privatization of insurance industry, problems associated with public insurance enterprises, relation between insurance and economic growth. Regulations Relating to Insurance Accounting and Management - framework for IRDA rules and regulations regarding general insurance investment in the country, role of financial reporting in managing insurance operations, significance of determining solvency margins- Recent Guidelines of IRDA.

Total: 72 HOURS

TEXT BOOKS:

1. George E. Rejda , Michael McNamara (2017), Principles of Risk Management and Insurance, 13th Edition, Pearson Education, New Delhi.
2. Scott Harrington and Gregory Niehaus (2017), Risk Management and Insurance, 2nd Edition, McGraw Hill, New Delhi
3. Dorfman (2013), Introduction to Risk Management and Insurance, Prentice Hall, New Delhi
4. Indian Institute of Banking and Finance (2017), Risk Analysis, Insurance and Retirement Planning, Taxman Publications Pvt. Ltd.
5. <https://www.coursera.org/learn/portfolio-risk-management>

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	1
CO2	3	-	-	1	1	-	-	-	-	-	-	-	-	-	-	3	1
CO3	3	-	2	-	-	-	-	-	-	-	-	-	1	-	-	3	1
CO4	3	-	-	1	1	-	-	-	-	-	-	-	-	-	-	3	2
CO5	3	-	2	-	-	-	1	-	-	-	-	-	-	1	1	3	2
Average	3	-	2	1	1	-	1	-	-	-	-	-	1	1	1	2.8	1.4

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

PREREQUISITE:

Student should be familiar with Research Methodology and Basic Statistics

COURSE OBJECTIVES(CO):

- Gain an understanding of choosing an appropriate research issue and applying the right sampling method.
- Utilize abilities to create and develop tools for collecting data.
- Utilize statistical techniques to analyze data effectively, interpret results, and prepare a thorough project report.

COURSE OUTCOMES(COS):

Upon completion of this course, the students will be able to:

COs	COURSE OUTCOMES(COs):	Blooms Level
CO1	Choose the right problem of the study & right sampling technique	Understand
CO2	Construct instrument for data collection	Create
CO3	Carry out their statistical analysis	Analyze
CO4	Write the interpretation for statistical analysis	Evaluate
CO5	Draft their project report	Create

The students should select a problem in Accounting, Finance, Marketing or any other areas related to commerce.

Report should contain

❖ Introduction

- Introduction about the industry
- Introduction about the Company
- Review of literature – Minimum 10 papers from referred journal
- Need for the Study
- Objectives

❖ Research Methodology

- Research Design
- Sampling Design
- Sources of Data Collection
- Tools used for analysis
- Limitation

- ❖ Data analysis and interpretation
- ❖ Findings and Suggestions
- ❖ Conclusion
- ❖ Bibliography (APA format)

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	3	1	-	3	1	-	3	3	1	1	1	-	1	-	2
CO2	3	-	-	1	1	3	-	-	3	3	-	-	-	-	-	1	2
CO3	3	-	3	-	-	3	-	-	3	3	-	-	-	-	-	1	2
CO4	3	-	3	-	-	3	-	-	3	-	-	-	-	-	-	1	2
CO5	3	-	3	-	-	3	-	-	3	3	-	-	-	-	1	-	2
Average	3	-	3	1	1	3	1	-	3	3	1	1	1	-	1	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation