

B.Com. (FINANCIAL ANALYTICS)

CHOICE BASED CREDIT SYSTEM (CBCS)

Curriculum and Syllabus

Regular (2025–2026)



**DEPARTMENT OF COMMERCE WITH COMPUTER APPLICATIONS
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.

Tamil Nadu, India

PhoneNo.0422-2980011-14 FaxNo:0422-2980022-23

Email ID: info@kahedu.edu.in

Web: www.kahedu.edu.in

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. Tamil Nadu, India



FACULTY OF ARTS, SCIENCE, COMMERCE AND MANAGEMENT

UNDER – GRADUATE PROGRAMMES

B.Com FA

(REGULAR PROGRAMME)

REGULATIONS

(2025)

CHOICE BASED CREDIT SYSTEM (CBCS)

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. Tamil Nadu, India

Phone No. 0422-2980011 – 15 Fax No: 0422-2980022-23

E mail ID: info@kahedu.edu.in

Web: www.kahedu.edu.in.

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, Tamil Nadu, India

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

REGULATIONS – 2025 - 2026

The following regulations shall apply 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 2025-2026 onwards.

1 PROGRAMMES OFFERED, MODE OF STUDY AND ADMISSION REQUIREMENTS

1.1 UG Programmes Offered

A candidate may undergo any one of the undergraduate programmes approved by 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.	BCA	Computer Applications
11.	B.Sc.	Biotechnology
12.	B.Sc.	Microbiology
13.	B.Sc.	Computer Science
14.	B.Sc.	Information Technology
15.	B.Sc.	Computer Technology
16.	B.Sc.	Computer Science (Cognitive Systems)

17.	B.Sc.	Computer Science (Artificial Intelligence and Data Science)
18.	B.Sc.	Computer Science (Cyber Security)

1.2 Admission Requirements (Eligibility)

A student 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 KAHE as equivalent thereto. (Annexure I)

1.3 Mode of Study

All Programmes are offered under Full-Time Regular mode.

2. DURATION OF THE PROGRAMMES

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

Programme(s) (Honors)	Min. No. of Semesters	Max. No. of Semesters
B.Sc., B.Com., BCA and BBA	8	15

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

Undergraduate degree programmes of either 3 or 4-year duration, with multiple entry and exit points and re-entry options, with appropriate certifications such as: UG certificate after completing 1 year (2 semesters) of study in the chosen fields of study, UG diploma after 2 years (4 semesters) of study, bachelor's degree after a 3-year (6 semesters) programme of study, 4-year bachelor's degree (honours) after eight semesters programme of study. If the student completes a rigorous research project in their major area(s) of study in the 4th year of a bachelor's degree (honours with research). The 4-year bachelor's degree programme is considered a preferred option since it would provide the opportunity to experience the full range of holistic and multidisciplinary education in addition to a focus on the chosen major and minors as per the choices of the student. Similarly, the student from other institutions can join Karpagam Academy of Higher Education in the 3rd, 5th or 7th semester with an appropriate UG Certificate or UG Diploma or Bachelor's Degree 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 minimum of 124 and up to a maximum of 134 credits for three years. Additional credits of 40 can also be earned on successful completion of fourth year. A range of 164 to 174 credits are offered as per the UGC Guidelines for the four-year UG Programme.

4. STRUCTURE OF THE PROGRAMME

Major Courses, Minor Courses, Multi-Disciplinary Courses (MDC), Skill Enhancement Courses (SEC), Ability Enhancement Courses (AEC), 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.

4.1 Major Courses

Major Courses consist of theory and practical components of department domains. The student has to earn a minimum of 60/80 Credits in Major Courses for 3/4 years programme respectively.

4.2 Minor Courses

Students have courses from Major disciplinary / interdisciplinary minors and skill-based courses. Students have to earn a minimum of 24/32 Credits in Minor Courses for 3/4 years programme respectively.

4.3 Multi Disciplinary 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 Multi-Disciplinary Courses and they have to earn a minimum of 09 Credits.

4.4 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. Students have to earn a minimum of 09 Credits in Skill Enhancement Courses.

4.5 Ability Enhancement Course (AEC)

There are four Ability Enhancement Courses offered during the first four semesters. Three credits are awarded for each course and students have to earn a minimum of 12 Credits in Ability Enhancement Courses. 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.

4.6 Value Added Courses (VAC)

The students shall study Value Added Courses in the first four semesters of their programme. 6 to 8 credits need to be earned under VAC. The assessment of the VAC is based on Internal Evaluation.

4.7 Internship

The students exiting the programme after first or second year must have completed an internship/apprenticeship of 02 or 04 credits respectively during the first year and second year summer term.

4.8 Minor Project Work

The project work shall start at the beginning of the 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 the Department concerned shall assign a project supervisor who in turn shall monitor the project work of the student(s). A project work shall be carried out by the students and they have to earn 06 to 08 credits.

If the candidate undertakes the 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. Three reviews shall be conducted as part of internal assessment. 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.

4.9 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. Three reviews shall be conducted as part of internal assessment. 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 who secure 7.5 CGPA, maintain an attendance of 80% in every semester and clear all the courses in their first appearance itself are referred to as advanced learners. When a student fails to maintain any of these conditions at any given time, the student will no longer retain advanced learner status.

These students can request for an on-demand examination for the courses from second semester onwards. These students on prior registration can appear for 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 shall 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. When the number of students enrolled for a particular course is less than 30, only self-learning mode is applicable and will be monitored by the mentor. Otherwise, a faculty will handle the course after regular working hours. The examination will be conducted along with the current semester courses.

Also, these advanced learners can register for online courses from NPTEL/SWAYAM/SWAYAM Plus portals on prior and proper approval from the department. The credits earned from those courses will be transferred to the mark statement of the students as in Clause 6.

6. TRANSFER OF CREDITS EARNED THROUGH ONLINE PLATFORM / INTERNATIONAL STUDIES

Students are encouraged to enroll in courses offered by NPTEL/Swayam/Swayam Plus 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 & Grade Equivalence Committee consisting of the Dean of the Faculty (Chairman), Dean (R&D and Industrial Relations), Head of the Department (HoD), and a 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. If the student fails in NPTEL/Swayam/ Swayam Plus course, he/she can appear for the examination conducted by the University for the equivalent course in the curriculum.

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.

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, Tamil Nadu, India

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

REGULATIONS – 2025 - 2026

The following regulations shall apply 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 2025-2026 onwards.

1 PROGRAMMES OFFERED, MODE OF STUDY AND ADMISSION REQUIREMENTS

1.1 UG Programmes Offered

A candidate may undergo any one of the undergraduate programmes approved by 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.	BCA	Computer Applications
11.	B.Sc.	Biotechnology
12.	B.Sc.	Microbiology
13.	B.Sc.	Computer Science
14.	B.Sc.	Information Technology
15.	B.Sc.	Computer Technology
16.	B.Sc.	Computer Science (Cognitive Systems)

17.	B.Sc.	Computer Science (Artificial Intelligence and Data Science)
18.	B.Sc.	Computer Science (Cyber Security)

1.2 Admission Requirements (Eligibility)

A student 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 KAHE as equivalent thereto. (Annexure I)

1.3 Mode of Study

All Programmes are offered under Full-Time Regular mode.

2. DURATION OF THE PROGRAMMES

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

Programme(s) (Honors)	Min. No. of Semesters	Max. No. of Semesters
B.Sc., B.Com., BCA and BBA	8	15

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

Undergraduate degree programmes of either 3 or 4-year duration, with multiple entry and exit points and re-entry options, with appropriate certifications such as: UG certificate after completing 1 year (2 semesters) of study in the chosen fields of study, UG diploma after 2 years (4 semesters) of study, bachelor's degree after a 3-year (6 semesters) programme of study, 4-year bachelor's degree (honours) after eight semesters programme of study. If the student completes a rigorous research project in their major area(s) of study in the 4th year of a bachelor's degree (honours with research). The 4-year bachelor's degree programme is considered a preferred option since it would provide the opportunity to experience the full range of holistic and multidisciplinary education in addition to a focus on the chosen major and minors as per the choices of the student. Similarly, the student from other institutions can join Karpagam Academy of Higher Education in the 3rd, 5th or 7th semester with an appropriate UG Certificate or UG Diploma or Bachelor's Degree 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 minimum of 124 and up to a maximum of 134 credits for three years. Additional credits of 40 can also be earned on successful completion of fourth year. A range of 164 to 174 credits are offered as per the UGC Guidelines for the four-year UG Programme.

4. STRUCTURE OF THE PROGRAMME

Major Courses, Minor Courses, Multi-Disciplinary Courses (MDC), Skill Enhancement Courses (SEC), Ability Enhancement Courses (AEC), 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.

4.1 Major Courses

Major Courses consist of theory and practical components of department domains. The student has to earn a minimum of 60/80 Credits in Major Courses for 3/4 years programme respectively.

4.2 Minor Courses

Students have courses from Major disciplinary / interdisciplinary minors and skill-based courses. Students have to earn a minimum of 24/32 Credits in Minor Courses for 3/4 years programme respectively.

4.3 Multi Disciplinary 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 Multi-Disciplinary Courses and they have to earn a minimum of 09 Credits.

4.4 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. Students have to earn a minimum of 09 Credits in Skill Enhancement Courses.

4.5 Ability Enhancement Course (AEC)

There are four Ability Enhancement Courses offered during the first four semesters. Three credits are awarded for each course and students have to earn a minimum of 12 Credits in Ability Enhancement Courses. 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.

4.6 Value Added Courses (VAC)

The students shall study Value Added Courses in the first four semesters of their programme. 6 to 8 credits need to be earned under VAC. The assessment of the VAC is based on Internal Evaluation.

4.7 Internship

The students exiting the programme after first or second year must have completed an internship/apprenticeship of 02 or 04 credits respectively during the first year and second year summer term.

4.8 Minor Project Work

The project work shall start at the beginning of the 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 the Department concerned shall assign a project supervisor who in turn shall monitor the project work of the student(s). A project work shall be carried out by the students and they have to earn 06 to 08 credits.

If the candidate undertakes the 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. Three reviews shall be conducted as part of internal assessment. 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.

4.9 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. Three reviews shall be conducted as part of internal assessment. 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 who secure 7.5 CGPA, maintain an attendance of 80% in every semester and clear all the courses in their first appearance itself are referred to as advanced learners. When a student fails to maintain any of these conditions at any given time, the student will no longer retain advanced learner status.

These students can request for an on-demand examination for the courses from second semester onwards. These students on prior registration can appear for 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 shall 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. When the number of students enrolled for a particular course is less than 30, only self-learning mode is applicable and will be monitored by the mentor. Otherwise, a faculty will handle the course after regular working hours. The examination will be conducted along with the current semester courses.

Also, these advanced learners can register for online courses from NPTEL/SWAYAM/SWAYAM Plus portals on prior and proper approval from the department. The credits earned from those courses will be transferred to the mark statement of the students as in Clause 6.

6. TRANSFER OF CREDITS EARNED THROUGH ONLINE PLATFORM / INTERNATIONAL STUDIES

Students are encouraged to enroll in courses offered by NPTEL/Swayam/Swayam Plus 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 & Grade Equivalence Committee consisting of the Dean of the Faculty (Chairman), Dean (R&D and Industrial Relations), Head of the Department (HoD), and a 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. If the student fails in NPTEL/Swayam/ Swayam Plus course, he/she can appear for the examination conducted by the University for the equivalent course in the curriculum.

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.

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 is in English.

9. SCHEME OF EXAMINATION

Evaluation: Evaluation of the course comprises two parts such as the Continuous Internal Assessment (CIA) and the End Semester Examination (ESE) until or otherwise the course is explicitly mentioned as only internal/only external.

The theory and practical courses shall carry a maximum of 100 marks, out of which 40 percent of marks are awarded for Continuous Internal Assessment (CIA) and 60 percent of marks for End Semester Examinations (ESE). When it is only an internal assessment course, 100 percent of marks are awarded for Continuous Internal Assessment.

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 15 working days) on the Notice Board to know their attendance status and satisfy 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. The 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 classroom 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 course offered to more than one programme 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). The Course Committee Meeting is conducted once in a semester. To indicate the common course, the Course Code should be suffixed with the letter “G”.

14. ATTENDANCE 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 student has been satisfactory during the Programme.

b. A candidate who has secured attendance between 65.00% and 74.99% (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 the Department concerned and the Dean. The Head of the Department has to verify and certify the genuineness of the case before recommending it to the Dean concerned. However, the candidate has to execute an undertaking along with the parent and assure that this situation does not arise in the future. This permission is given only once during the entire period of study.

c. A candidate who has secured attendance between 55.00% and 64.99% (both included), due to medical reasons (Hospitalization / Accident / Specific Illness with all the medical records, bills and discharge summary), will not be presented to that semester examination. However, that candidate will be permitted to go to the next semester wherein he / she has to compensate for the previous semester's lack of attendance. In such a case, the candidate will be permitted to write both semester examinations at the end of the next semester. This combination of lack of attendance can be done only between subsequent semesters. That is 1 & 2 or 2 & 3 or 3 & 4 or 4 & 5 or 5 & 6.

d. However, a Student who has secured less than 55% 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 the 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 the date after due verification. The same shall be submitted to the 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 and 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

For Environmental Studies and Universal Human Values:

S. No.	Category	Maximum Marks
1.	Assignment	15
2.	Attendance	5
3.	Test – I (2 ½ Units)	40
4.	Test – II (2 ½ Units)	40
Total		100

For Yoga for Youth Empowerment:

S. No.	Category	Maximum Marks
1.	Activity	15
2.	Attendance	5
3.	Test – I (2 ½ Units)	40
4.	Test – II (2 ½ Units)	40
Total		100

For Community Engagement and Social Responsibility:

S. No.	Category	Maximum Marks
1.	Field Visit	15
2.	Attendance	5
3.	Test – I (1 ½ Units)	40
4.	Test – II (1 ½ Units)	40
Total		100

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

* *Viva- voce* is conducted during the model practical exam.

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

15.3 Pattern of Test Question Paper

Theory Courses:

Maximum Marks : 60*

Duration: 2 ½ Hours

Section	Marks
Part – A	Answer ALL the Questions (6 x 2 = 12 Marks)
Part - B	Answer ALL the Questions (3 x 6 = 18 Marks) (‘either – or’ type)
Part - C	Answer ALL the Questions (3 x 10 = 30 Marks) (‘either – or’ type)

* The 60 Marks will be converted to 12.5 Marks.

15.4 Attendance

Distribution of Marks for Attendance

S. No.	Attendance (%)	Maximum Marks
1	91 and above	5
2	81 - 90	4
3	75-80	3

16. ESE EXAMINATIONS

16.1 End Semester Examination (ESE): End Semester Examination will be conducted 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	Answer ALL the Questions (10 x 2 = 20 Marks)
Part - B	Answer ALL the Questions (5 x 6 = 30 Marks) (‘either – or’ type)
Part - C	Answer ALL the Questions (5 x 10 = 50 Marks) (‘either – or’ type)

*The 100 Marks will be converted to 60 Marks.

Practical Courses: There shall be combined evaluation 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

Candidates taking the practical examination should submit a prescribed Bonafide Record Notebook 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)

The distribution of marks for the Continuous Internal Assessment (CIA) is given below:

Maximum Marks: 40

S. No.	Category	Maximum Marks
1.	Problem Selection	10
2.	Progress of the work (3 reviews X 5 marks)	15
3.	Presentation of the work (3 reviews X 5 marks)	15
Total		40

The distribution of marks for the End Semester Examination is given below:

Maximum Marks: 60*

S. No.	Category	Maximum Marks
1.	Project Report	30
2.	Project Presentation	20
3.	Viva Voce	10
Total		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 resubmitted report shall be evaluated 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.

17.2 If a candidate fails to secure a pass in a particular course (either CIA or ESE or Both) as per clause 17.1, 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 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.

17.4 Candidate failed in internal assessment will be permitted to reappear to pass the internal assessment in the subsequent semesters by writing tests and by re-submitting Assignments/ Seminars.

The distribution of marks for this test shall be as given below.

S. No.	Category	Maximum Marks
1.	Assignment	5
2.	Attendance (Retained from the respective semester)	5
3.	Seminar	5
4.	Test*	25
	Total	40

* Tests shall be conducted in the ESE pattern for 100 marks and converted to 25 marks.

The examination should be completed within 6 weeks after reopening of the subsequent semester.

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. ONLINE EXAMINATIONS

The students who are going for Project / Internship / Coursework at National level are permitted to write their CIA test through Online Mode and ESE in Offline/Online mode. When they go for an International Project / Internship / Coursework, both the CIA and ESE shall be conducted through online mode.

19. 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.

20. AWARD OF LETTER GRADES

All the assessments of a course will be done on an 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+	61 - 70	7	GOOD
B	56 - 60	6	AVERAGE
C	50 - 55	5	PASS
RA	Below 50	-	REAPPEARANCE
AAA	-	-	ABSENT

21. 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

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 programme

CGPA of the entire programme

Sum of the credits of the courses 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_{Pi} 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**.

22. REVALUATION

A candidate can apply for revaluation or re-totaling 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 revaluation and the results will be intimated to the candidate through the HoD concerned. Revaluation is not permitted for Supplementary Examinations.

23. TRANSPARENCY AND GRIEVANCE COMMITTEE

Revaluation and Retotaling are allowed on representation (clause 22). Students 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.

24. ELIGIBILITY FOR THE AWARD OF THE DEGREE

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

24.1 Successfully completed all the components prescribed by Curriculum and Credit Framework for Undergraduate Programme of UGC and earned the minimum required credits as specified in the curriculum corresponding to his / her programme within the stipulated period (vide clause 2.1).

24.1 No pending disciplinary enquiry/ action against him/her

24.2 The award of the degree must be approved by the Executive Council.

25. CLASSIFICATION OF THE DEGREE AWARDED

25.1 Candidates who qualify for the award of the Degree (vide clause 24) 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.**

25.2 Candidates who qualify for the award of the Degree (vide clause 24) 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.**

25.3 Candidates (not covered in clauses 25.1 and 25.2) who qualify for the award of the degree (vide Clause 24) shall be declared to have passed the examination in the **Second Class.**

26. 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.

27. 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. This is applicable only for the ESE component of the course which the student failed. Such students shall apply with prescribed fee to the Controller of Examinations within the stipulated time.

28. DISCIPLINE

28.1 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.

28.2 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.

29. KAHE ENTRANCE EXAMINATION

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

30. 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, University, or Board under the 10+2 pattern, with Biology, Botany, 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, University, or Board under the 10+2 pattern, or those who hold a 3-year diploma after 10th grade, with Computer Science or Mathematics as one of the subjects.
3.	B. Sc.	Microbiology	Candidates who have passed Higher Secondary Education (XII) or any equivalent examination conducted by a State Government, University, or Board under the 10+2 pattern, with Biology, 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, University, or Board under the 10+2 pattern, or those who hold a 3-year diploma after 10th grade, with Computer Science or Mathematics as one of the subjects.
5.	B. Sc.	Computer Technology	Candidates who have passed Higher Secondary Education (XII) or any equivalent examination conducted by a State Government, University, or Board under the 10+2 pattern, or those who hold a 3-year diploma after 10th grade, with Computer Science or Mathematics as one of the subjects.
6.	B.Sc.	Computer Science (Cognitive Systems)	Candidates who have passed Higher Secondary Education (XII) or any equivalent examination conducted by a State Government, University, or Board under the 10+2 pattern, or those who hold a 3-year diploma after 10th grade, with Computer Science or Mathematics as one of the subjects.

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, University, or Board under the 10+2 pattern, or those who hold a 3-year diploma after 10th grade, with Computer Science or Mathematics as one of the subjects.
8.	BCA	Computer Application	Candidates who have passed Higher Secondary Education (XII) or any equivalent examination conducted by a State Government, University, or Board under the 10+2 pattern, or those who hold a 3-year diploma after 10th grade, with Computer Science or Mathematics as one of the subjects.
9.	B. Com.	Commerce	Candidates who have passed Higher Secondary Education (XII) or any equivalent examination conducted by a State Government, University, or Board under the 10+2 pattern, with 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, University, or Board under the 10+2 pattern, with 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, University, or Board under the 10+2 pattern, with 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, University, or Board under the 10+2 pattern, with 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, University, or Board under the 10+2 pattern, with 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, University, or Board under the 10+2 pattern, with 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, University, or Board under the 10+2 pattern, with 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, University, or Board under the 10+2 pattern, with 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, University, or Board under the 10+2 pattern, or those who hold a 3-year diploma after 10th grade, with Computer Science or Mathematics as one of the subjects.
18.	B. Com	FinTech.	Candidates who have passed Higher Secondary Education (XII) or any equivalent examination conducted by a State Government, University, or Board under the 10+2 pattern, with 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,	

PROGRAM OUTCOMES (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

DEPARTMENT OF COMMERCE WITH COMPUTER APPLICATIONS
FACULTY OF ARTS, SCIENCE, COMMERCE AND MANAGEMENT
UG PROGRAM (CBCS) – B. Com FA (Financial Analytics)
(2025 – 2026 Batch Onwards)

Course code	Name of the course	Category	Outcomes		Instruction hour/week			Credits	Maximum marks			Page No.
			PO	PS O	L	T	P		CIA	ESE	Total	
									40	60	100	
SEMESTER I												
25LTU101G/ 25LHU101G/ 25LMU101G/ 25LSU101G/ 25LFU101G	Language: Tamil - I/ Hindi - I/ Malayalam - I/ Sanskrit - I/ French - I	AEC 1	1,2,3	1,2	4			3	40	60	100	1
25ENU101G	English I	MDC 1	1,2,3,4,5,7	1,2	3			3	40	60	100	13
25CMU101G	Financial Accounting	MAJOR 1	1,2,3,7	1,2	7	1		5	40	60	100	15
25CMU102G	Business Organization and Management	MINOR 1	1,3,4,6,7,11,14,15	1,2	7			4	40	60	100	17
25CMU111G	Computer Application in Business - Practical	SEC 1	1,3,4,5,6,7,9,10,11,14,15	1,2			6	3	40	60	100	19
25VAC101G	Yoga for Youth Empowerment	VAC 1	2,3,4,5,7,9,11,13,14,15	1,2	2			2	100	-	100	22
Semester Total					23	1	6	20	300	300	600	

SEMESTER II												
25LTU201G/ 25LHU201G/ 25LMU201G/ 25LSU201G/ 25LFU201G	Language: Tamil - II/ Hindi - II/ Malayalam - II/ Sanskrit - II/ French - II	AEC 2			4			3	40	60	100	24
25ENU201G	English II	MDC2	2,3,4,6,9,11,13,14,15	1,2	3			3	40	60	100	36
25CMU201G	Advanced Financial Accounting	MAJOR 2	1,3,4,5,6,7,8,9,10,13	1,2	6	1		5	40	60	100	38
25FAU202	Macro Economics for Financial Markets	MAJOR 3	1,3,4,9,15	1,2	4			2	40	60	100	40
25MAU204G	Fundamentals of Business Mathematics and Statistics	MINOR 2	2,3,4,6,9,11	1,2	5	1		4	40	60	100	42
25FAU211	MS Excel for Managers – Practical	SEC 2	1,3,4,11,15	1,2			4	3	40	60	100	45
25VAC201G	Environmental Studies	VAC 2	1,8,9,11,12,13,15	1,2	2			2	100	-	100	47
Semester Total					24	2	4	22	340	360	700	

SEMESTER III												
25LTU301G/ 25LHU301G/ 25LMU301G/ 25LSU301G/ 25LFU301G	Language: Tamil - III/ Hindi - III/ Malayalam - III/ Sanskrit - III/ French - III	AEC 3			4			3	40	60	100	49
25ENU301G	English III	MDC3	1,2,3,4	1,2	3			3	40	60	100	61
25CMU301G	Corporate Accounting	MAJOR 4	1,2,3,4,5,6	1,2	5	1		5	40	60	100	63
25FAU302	Artificial Intelligence and Machine Learning for Financial Services	MAJOR 5	1,3,4,10	2	4			3	40	60	100	65
25CMU303G	Financial Reporting I	MINOR 3	1,2,3,4,5,6,15	1,2	6			4	40	60	100	67
25FAU304	Financial Markets	MAJOR 6	1,5,11,13,15	1,2	5			3	40	60	100	69
25VAC301G	Community Engagement and Social responsibility	VAC 3	9,11,12,13,15	2	2			2	100	-	100	71
25FAU391	Internship I	SI 1	1,2,3,4,5	1,2				2	100	-	100	73
Semester Total					28	2		25	440	360	800	

SEMESTER IV												
25LTU401G/ 25LHU401G/ 25LMU401G/ 25LSU401G/ 25LFU401G	Language: Tamil - IV/ Hindi - IV/ Malayalam - IV/ Sanskrit - IV/ French - IV)	AEC 4			4			3	40	60	100	74
25ENU401G	English IV	SEC 3	1,2,3,8,10,12	1,2	3			3	40	60	100	85
25FAU401	Cost Accounting	MAJOR 7	1,3,4,5,10,13	1,2	5	1		4	40	60	100	87
25FAU402	Investment Analysis and Portfolio Management	MAJOR 8	1,3,5,11	1,2	4			3	40	60	100	89
25CMU403G	Financial Reporting II	MINOR 4	1,2,3,8,10,12	1,2	5			4	40	60	100	91
25FAU404	Fundamentals of Financial Technology	MAJOR 9	1,5,9,10,11,13	1,2	3			2	40	60	100	93
25FAU411	NSE Smart Trading – Simulation Lab – Practical	MAJOR 10	1,5,9,12	1,2			4	2	40	60	100	96
25VAC401BG	Cyber Security and Universal Human Values	VAC 4	4,5,7,12	1	1			1	100	-	100	98
Semester Total					25	1	4	22	380	420	800	

SEMESTER V												
25FAU501	Management Accounting	MAJOR 11	1,3,4,5,6,7,10	1,2	6	1		5	40	60	100	100
25FAU502A	Derivatives Market	MAJOR 12	1,3,4,5,9,11	1,2	5			3	40	60	100	102
25FAU502B	Income Tax Law and Practice	MAJOR 12	1,3,4,5,10,11,13,15	1,2	5			3	40	60	100	104
25FAU503A	Essential of Business Analytics	MAJOR 13	1,3,4,5,10,11	1,2	5			3	40	60	100	106
25FAU503B	Company Law	MAJOR 13	1,3,4,5,7,10,13,15	1,2	5			3	40	60	100	109
25FAU504	Structured Query Language	MAJOR 14	1,3,5	1,2	4			4	40	60	100	111
25FAU505	Business Economics	MINOR 5	1,3,4,5,7,10,13,15	1,2	5			2	40	60	100	114
25FAU511	Financial Modelling – Practical	MAJOR 15	1,3,5,9,11,15	1,2			4	2	40	60	100	117
25FAU591	Internship II	SI 2	1,2,3,4,5	1,2				2	100	-	100	119
Semester Total					25	1	4	21	340	360	700	

SEMESTER VI												
25FAU601	Financial Planning and Wealth Management	MAJOR 16	1,3,5,9,11	1,2	5			4	40	60	100	120
25FAU602A	Indirect Taxation	MAJOR 17	1,3,4,5,10	1,2	4			3	40	60	100	123
25FAU602B	Digital Marketing for Financial Products	MAJOR 17	1,3,5,9,10,11	1,2	4			3	40	60	100	125
25CMU603G	Investment Banking Operations	MINOR 6	1,5,9,11	1,2	5			4	40	60	100	128
25FAU604	Python for Finance	MAJOR 18	1,5,9,11,15	1,2	4			3	40	60	100	130
25FAU691	Project	MAJOR 19	1,2,3,4,5,6,8,9,10,11,14,15	1,2			12	6	100	-	100	133
25ECU601G	ECA/NCC/NSS/Sports/General Interest/ etc,								100			
Semester Total					18		12	20	360	240	600	
3rd year total								130	2160	2040	4200	

SEMESTER VII												
25FAU701	International Finance	MAJOR 20	1,3,4,5,9,12	1,2	6			5	40	60	100	135
25CMU702G	Research Methodology	MAJOR 21	1,2,3,4,6,15	1,2	6			4	40	60	100	137
25CMU703G	Business Environment	MAJOR 22	1,2,3,4,6,10,12	1,2	6			4	40	60	100	139
25CMU704G	Managerial Economics	MINOR 7	1,2,3,4,6,10	1,2	6			4	40	60	100	141
25CMU711G	SPSS – Practical	MAJOR 23	1,2,3,4,6,10,12,15	1,2			6	3	40	60	100	143
Semester Total					24		6	20	200	300	500	

SEMESTER VIII A (Honours)												
25CMU801AG	Digital Banking	MAJOR 24	1,2,3,4,5,6,9,10	1,2	6			4	40	60	100	145
25CMU802G	Corporate Finance	MAJOR 25	1,3,4,5,6,7,8,9,11, 13,14	1,2	6			4	40	60	100	147
25CMU803G	Treasury Management	MAJOR 26	1,4,5,6,7,8,9,11,13	1,2	6			4	40	60	100	149
25CMU804G	Insurance and Risk Management	MAJOR 27	1,3,4,5,7,13,14,15	1,2	6			4	40	60	100	151
25CMU805G	Applied E - Commerce	MINOR 8	1,3,4,5,6,8,10,15	1,2	6			4	40	60	100	153
Semester Total					30			20	200	300	500	
4th Year Total(A)								170	2560	2640	5200	

SEMESTER VIII B (Honours with Research)												
25CMU801AG	Digital Banking	MAJOR 24	1,2,3,4,5,6,9,10	1,2	6			4	40	60	100	145
25CMU805G	Applied E - Commerce	MINOR 8	1,3,4,5,6,8,10,15	1,2	6			4	40	60	100	153
25FAU891	Research Project	RP	1,3,4,5,6,7,9,10	1,2			18	12	120	180	300	155
Semester Total					12		18	20	200	300	500	
4th Year Total(B)								170	2560	2640	5200	

Other courses to be undergone by the students												
I/II/III/IV/V	MOOC				4							
TOTAL (Upto Semester VI)									130+4 = 134 Credits			
TOTAL (Upto Semester VIII)									174 Credits			
Minimum 130 + 4 = 134 credits to earn the degree (for III Years)												
Minimum 174 credits to earn the degree (for IV Years)												

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

Credits Split – up for 3rd year B.Com. FA Programme

S.No.	Course Criteria	Number of Courses	Total No. of Credits
1	Ability Enhancement Courses	4	12
2	Major Courses	19	67
3	Minor Courses	6	22
4	Multidisciplinary Courses	3	09
5	Skill Enhancement Courses	3	09
6	Internship	2	04
7	Value Added Courses	4	07
Total		41	130

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

S.No.	Course Criteria	Number of Courses	Total No. of Credits
1	Ability Enhancement Courses	4	12
2	Major Courses	27	99
3	Minor Courses	8	30
4	Multidisciplinary Courses	3	09
5	Skill Enhancement Courses	3	09
6	Internship	2	04
7	Value Added Courses	4	07
Total		51	170

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

S.No.	Course Criteria	Number of Courses	Total No. of Credits
1	Ability Enhancement Courses	4	12
2	Major Courses	24	87
3	Minor Courses	8	30
4	Multidisciplinary Courses	3	09
5	Skill Enhancement Courses	3	09
6	Internship	2	04
7	Value Added Courses	4	07
8	Project	1	12
Total		50	170

Credits splitup: B.Com. FA

Semester	AEC	Major course	Minor course	MDC	SEC	VAC	Internship	Project	Total credits
1.	3	5	4	3	3	2	-	-	20
2.	3	7	4	3	3	2	-	-	22
3.	3	11	4	3	-	2	2	-	25
4.	3	11	4	-	3	1	-	-	22
5.	-	17	2	-	-	-	2	-	21
6.	-	16	4	-	-	-	-	-	20
3 rd year Total	12	67	22	9	9	7	4	-	130
7.	-	16	4	-	-	-	-	-	20
8. A	-	16	4	-	-	-	-	-	20
4 th year total	16	99	30	9	9	7	4	-	170
8B	-	4	4	-	-	-	-	12	20
4 th year total	16	87	30	9	9	7	4	12	170

Courses splitup: B.Com. FA

Semester	AEC	Major course	Minor course	MDC	SEC	VAC	Intern	Project	Total courses	T	P	Int/ski ll/Pro
1.	1	1	1	1	1	1	-	-	6	5	1	-
2.	1	2	1	1	1	1	-	-	7	6	1	-
3.	1	3	1	1	-	1	1	-	8	7	-	1
4.	1	4	1	-	1	1	-	-	8	7	1	-
5.	-	5	1	-	-	-	1	-	7	5	1	1
6.	-	4	1	-	-	-	-	-	5	4	-	1
3 rd year Total	4	19	6	3	3	4	2	-	41	34	4	3
7.	-	4	1	-	-	-	-	-	5	4	1	-
8. A	-	4	1	-	-	-	-	-	5	5	-	-
4 th year total	4	28	8	3	3	4	2	-	51	43	5	3
8. B	-	1	1	-	-	-	-	1	3	2	-	1
4 th year total	4	24	8	3	3	4	2	1	49	40	5	4

ABILITY ENHANCEMENT COURSES		
Semester	Course Code	Name of the Course
I	25LTU101G/25LHU101G/25LMU101G/ 25LSU101G/25LFU101G	Language: Tamil – I / Hindi I/Malayalam I/ Sanskrit I/ French I
II	25LTU101G/25LHU101G/25LMU101G/ 25LSU101G/25LFU101G	Language: Tamil – II / Hindi II/Malayalam II/ Sanskrit II/ French II
III	25LTU101G/25LHU101G/25LMU101G/ 25LSU101G/25LFU101G	Language: Tamil III / Hindi III/Malayalam III/ Sanskrit III/ / French III
IV	25LTU101G/25LHU101G/25LMU101G/ 25LSU101G/25LFU101G	Language: Tamil IV / Hindi IV/Malayalam IV/ Sanskrit IV/ / French IV

MAJOR COURSES		
Semester	Course Code	Name of the Course
I	25CMU101G	Financial Accounting
II	25CMU201G	Advanced Financial Accounting
II	25FAU201	Macro Economics for Financial Markets
III	25CMU301G	Corporate Accounting
III	25FAU302	Artificial Intelligence and Machine Learning for Financial Services
III	25CMU303G	Financial Reporting I
III	25FAU304	Financial Markets
IV	25FAU401	Cost Accounting
IV	25FAU402	Investment Analysis and Portfolio Management
IV	25CMU403G	Financial Reporting II
IV	25FAU404	Fundamentals of Financial Technology
IV	25FAU411	NSE Smart Trading – Simulation Lab – Practical
V	25BPU501G	Management Accounting
V	25FAU502A	Derivatives Market
V	25FAU502B	Income Tax Law and Practice
V	25FAU503A	Essentials of Business Analytics
V	25FAU503B	Company Law
V	25FAU504	Structured Query Language
V	25FAU505	Business Economics
V	25FAU511	Financial Modelling – Practical
VI	25FAU601	Financial Planning and Wealth Management
VI	25FAU602A	Indirect Taxation
VI	25FAU602B	Digital Marketing for Financial Products
VI	25CMU603G	Investment Banking and Operations
VI	25FAU604	Python for Finance
VI	25FAU691	Project
VII	25FAU701	International Finance
VII	25CMU702G	Research Methodology
VII	25CMU703G	Business Environment
VII	25CMU704G	Managerial Economics
VII	25CMU711G	SPSS – Practical
VIII	25CMU801AG	Digital Banking
VIII	25CMU802G	Corporate Finance
VIII	25CMU803G	Treasury Management
VIII	25CMU804	Insurance and Risk Management

MINOR COURSES		
Semester	Course Code	Name of the Course
I	25CMU102G	Business Organization and Management
II	25MAU201G	Business Mathematics and Statistics
III	25CMU303G	Financial Reporting I
IV	25CMU403G	Financial Reporting II
V	25FAU505	Business Economics
VI	25CMU603G	Investment Banking Operations
VII	25CMU704G	Managerial Economics
VIII	25CMU805G	Applied E – Commerce

SKILL ENHANCEMENT COURSES		
Semester	Course Code	Name of the Course
I	25CMU111G	Computerized Accounting System - Practical
II	25FAU211	MS Excel for Managers - Practical
III	25FAU391	Internship I
IV	25ENU401	English IV
V	25FAU591	Internship

DISCIPLINE SPECIFIC ELECTIVES		
Semester	Course Code	Name of the Course
V	25FAU502A	Derivatives Market
V	25FAU502B	Income Tax Law and Practice
V	25FAU503A	Essentials of Business Analytics
V	25FAU503B	Company Law
VI	25FAU602A	Indirect Taxation
VI	25FAU602B	Digital Marketing for Financial Products

VALUE ADDED COURSES		
Semester	Course Code	Name of the Course
I	25VAC101G	Yoga for Youth Empowerment
II	25VAC201G	Environmental Studies
II	25VAC301G	Community Engagement and Social Responsibility
III	25VAC401BG	Cyber Security and Universal Human Values

MULTI DISCIPLINARY COURSES		
Semester	Course Code	Name of the Course
I	25ENU101	English I
II	25ENU201	English II
III	25ENU301	English III

பாடத்திட்டப் பொதுநோக்கம்

- கற்றல் வழி சிந்தனைத் திறனையும், கருத்து வெளிப்பாட்டுத் திறனையும், மேம்படுத்துதல்.
- அரசுத் தேர்வுகளுக்கு மாணவர்களை ஆயத்தமாக்குதல்; திறனாய்வு நோக்கை மேம்படுத்துதல்.
- இலக்கியங்களின் வழி மனித வாழ்வியலை உணர்த்துதல்.
- இன்புறுத்தல் மற்றும் அறிவுறுத்தல் நிலைகளில் இலக்கியங்களின் பங்களிப்பை உணர்த்துதல்.
- இளைய தலைமுறையினருக்கு அற உணர்வு மற்றும் வாழ்வியல் மதிப்புகளை அறிவுறுத்துதல்.

பாடத்திட்டப் பயன்விளைவு

- இந்தியக் குடியரிமைப்பணி முதலான போட்டித் தேர்வுகளில் இடம்பெறுகின்ற, 'தமிழ் இலக்கிய வரலாறு' குறித்த முழுமையான அறிமுகத்தை அடைதல்.
- தொல்லியல், கல்வெட்டியல் மற்றும் ஓலைச்சுவடியியல் சார்ந்த ஆவணத் தேடலுக்குரிய ஆய்வு மனப்பான்மையுடன், இலக்கியங்களை அணுகுதல்.
- 'அறிவியல் தமிழ்'; 'இணையத் தமிழ்' போன்ற தமிழின் வளர்ச்சித் துறைகள் சார்ந்த திறன் மேம்பாடு பெற்றிருத்தல்.
- வேலைவாய்ப்புக்குரிய வகையில் படைப்பாக்கத்திறன் முதலான மொழி ஆளுமை பெற்றிருத்தல் ;
- சமூக வாழ்வியல் மதிப்புகளைப் பேணுவதற்குக் கருவியாக உள்ள இலக்கியங்களை நாடுகின்ற மனப்பான்மை வளர்ச்சி.

இலக்கிய நெறிகள்

அலகு - I

10 மணிநேரம்

தமிழ் இலக்கிய வரலாறு - முச்சங்கங்கள் அறிமுகம் - சங்க இலக்கியத்தின்

தோற்றுவாய் - பத்துப்பாட்டு அறிமுகம்

சங்க இலக்கியம் - முல்லைப்பாட்டு - "பால்போல" முதல் "குறுநீர்" வரை (1-58)

அற இலக்கியம் - திருக்குறள் -பெரியாரைத் துணைக்கோடல் (அதிகாரம் 45),

அறன் வலியுறுத்தல் (அதிகாரம் 4).

காப்பியம்

- சிலப்பதிகாரம் - அ) புகார்க்காண்டம் - மங்கல வாழ்த்துப்

பாடல் - "நாகநீள் நகரொடு" முதல் "புகார் நகர் அது தன்னில்" வரை (21 - 22)

மனையறம் படுத்த காதை - "வார் ஒலி கூந்தலை" முதல் "கண்ணகி தனக்கு என்" வரை (84 - 90)

ஆ) மதுரைக்காண்டம் - கொலைக்களக் காதை - "இரு முதுகுரவர் ஏவலும்" முதல் "என் செய்தனை" வரை (67 - 70)

“வினை வினை காலம்” முதல் “அச் சிலம்பு கொணர்க ஈங்கு” வரை (148-153)

கட்டுரை காதை – “கடி பொழில்” முதல் “கட்டுரை கேள் நீ” வரை (138 - 170)

வழக்குரை காதை – “அல்லவை செய்தார்க்கு” முதல் “உண்டளவே தோற்றான் உயிர்” வரை (82 - 93)

இ) வஞ்சிக்காண்டம் – நடுகல் காதை - “மதுரை மூதூர்” முதல் “வடதிசை வணக்கிய மன்னவர் ஏறு” (218-234)

வாழ்த்துக் காதை – “என்னே! இஃது என்னே!” முதல் “மீவிசும்பில் தோன்றுமால்” வரை (9)

இலக்கணம்

- அகத்திணைகள், புறத்திணைகள்

அலகு- 2

08 மணிநேரம்

தமிழ் இலக்கிய வரலாறு

- எட்டுத்தொகை அறிமுகம்

சங்க இலக்கியம்

- நற்றிணை - “விளையாடு ஆயமொடு” - (172)

சங்க இலக்கியம்

- குறுந்தொகை - “நோமென் னெஞ்சே” - தலைவி கூற்று - (202) - “ஈதலுந் துய்த்தலு” - தலைவன் கூற்று - (63)

அற இலக்கியம்

- நாலடியார் - கூடா நட்பு - “செறிப்பில்” முதல் “செய்யாது செய்து” வரை (1 முதல் 5 பாடல்கள்),

சினம் இன்மை - “மதித்து இறப்பாரும்” முதல் “இளையான்” வரை (1 முதல் 5 பாடல்கள்), சுற்றம் தழால் - “வயாவும்” முதல் இன்னர் வரை” (1 முதல் 5 பாடல்கள்).

காப்பியம்

- மணிமேகலை - பாத்திரம் பெற்ற காதை -

“போதிநீழல்” முதல் “நல்அறம்கண்டனை” வரை (73-98)

இலக்கணம்

- முதலெழுத்து - சார்பெழுத்து - விளக்கம்

அலகு- 3

10 மணிநேரம்

தமிழ் இலக்கிய வரலாறு

- அற இலக்கியங்கள் அறிமுகம்

சங்க இலக்கியம்

- ஐங்குறுநூறு - வேட்கைப்பத்து - “வாழி ஆதன் வாழி அவினி” எனத் தொடங்கும் முதல் ஐந்து பாடல்கள்.

சங்க இலக்கியம்

- பதிற்றுப்பத்து - ஏழாம்பத்து - “எறிபிணம் இடறிய செம்மறுக்” (65)

அற இலக்கியம்

- நான்மணிக்கடிகை - எள்ளற்க என்றும் (1) - புகழ் செய்யும் (2)

- சிறந்தார்க்கு (3) - கொடுப்பின் (4) - நல்லார்க்கும் (5) -

(தேர்ந்தெடுத்த ஐந்து பாடல்கள்)

காப்பியம்

- கம்பராமாயணம் - தேர்ந்தெடுக்கப்பட்ட பாடல்கள் (18) - மன்னவன் (1604), பின்னும் பகர்வாள் (1752), பஞ்சி ஒளிர் (2762), மயில் உடை (3151), ஆண்டு, ஆயிடை (3390), மற்று இனி (3812), கண்டனன் (5249), வேலையுள் (6037), மண்ணொடும் (6038), வாங்கிய ஆழி (6049), இங்கு உள (6051), கண்டனன் (6031),

	பைய பையப் (6053), அந்நெறி (6058), குகனொடும் (6507), கூவி இன்று (7004), ஆள் ஐயா! (7271), கார்நின்ற (10043)	
சிற்றிலக்கியம்	- கலிங்கத்துப்பரணி - போர்க்களக்காட்சிகள் - “தேவாசுரம் (472), உடலின்மேல் (475), நெடுங்குதிரை (476), விருந்தினரும் (477), தரைமகள் (483), பொருதடக்கை (484), வெயில்தாரை (488)”.	
இலக்கணம்	- சொல் - பெயர் - வினை, இடை, உரிச்சொல் - விளக்கமும் பயிற்சியும்.	
இலக்கணம்	- மூவிடம் மற்றும் பெயர் விகுதிகள்.	
அலகு- 4		10 மணிநேரம்
தமிழ் இலக்கிய வரலாறு	- காப்பியங்கள் - தோற்றமும் வளர்ச்சியும்	
சங்க இலக்கியம்	- பரிபாடல் - வையை - (பாடல் - 6) “நிறைகடல் முகந்து உராய்” முதல் “சேறு ஆடுபுனலது செலவு” வரை (1-50 அடிகள்).	
சங்க இலக்கியம்	- கலித்தொகை - “சுடர்தொடிக் கேளாய்” (51)	
அற இலக்கியம்	- ஆசாரக்கோவை - 5 பாடல்கள் (நன்றியறிதல் (1), பிறப்பு (2), தக்கணை (3), வைகறை (4), எச்சிலார் (5)).	
காப்பியம்	- தேம்பாவணி - நகர்வளம் 15 பாடல்கள் (மெய்வழி (97) முதல் - ஈரும் வாள் (106) வரை).	
சிற்றிலக்கியம்	- தமிழ்விடு தூது - “சீர்கொண்ட” முதல் - “மஞ்சள்” வரை (1 முதல் 25 கண்ணிகள்)	
இலக்கணம்	- தொடர் வகை - வினா விடை வகைகள்	
அலகு - 5		10 மணிநேரம்
தமிழ் இலக்கிய வரலாறு	- சிற்றிலக்கியங்கள் தோற்றமும் வளர்ச்சியும்	
சங்க இலக்கியம்	- அகநானூறு - “ஈன்று புறம் தந்த எம்மும் உள்ளாள்” - பாலை - நற்றாய் கூற்று (35).	
சங்க இலக்கியம்	- புறநானூறு - “புலவரை இறந்த புகழ்சால் தோன்றல்” - (21)	
அற இலக்கியம்	- பழமொழி நானூறு - (5 பாடல்கள்) 1. அவையறிதல் - கேட்பாரை நாடி (17), 2. அறிவுடைமை - அறிவினால் (26), 3. ஒழுக்கம் - விழுத் தொடையர் (34), 4. இன்னா செய்யாமை - பூ உட்கும் (43), 5. வெகுளாமை - இறப்பச் சிறியவர் (51).	
காப்பியம்	- சீறாப்புராணம் - மானுக்குப் பிணை நின்ற படலம் - அரியினஞ் (2), குழை குழைத் (70), கொடியிடம் (12), நிறைவளஞ் (16), வல்லவ (17), என்னுயி (18),	

தனியெனென் (20), வலையிடத் (25), என வினவ (29),
வேட்டுவனுரைப்ப (48) என்னும் (10 பாடல்கள்).

சிறுநிலக்கியம்

- முத்துக்குமாரசாமி பிள்ளைத்தமிழ் – காப்புப் பருவம் -
பூமேவு கற்பகப் பொங்கரிற், (முதல் பாடல்),
செங்கீரைப் பருவம் – இருக்கோல் இடும்பரிபுரக்
கோல, (முதல் பாடல்), தாலப்பருவம்-பில்கும்
பசுந்தேன் (முதல் பாடல்)

இலக்கணம்

- வேற்றுமை உருபுகள்.

மொத்த மணிநேரம் - 48

TEXT BOOK T1 - கற்பகச் சோலை – தமிழ்ப்பாட நூல், இலக்கிய நெறிகள், தமிழ்த்துறை
வெளியீடு, கற்பகம் உயர்கல்விக்கழகம், கோயம்புத்தூர் – 21.

பார்வை நூல்கள்

- 1 - தமிழ் இலக்கிய வரலாறு, முனைவர் கா.கோ. வேங்கடராமன், கலையக வெளியீடு, நாமக்கல்.
- 2 - வகைமை நோக்கில் தமிழ் இலக்கிய வரலாறு, முனைவர் பாக்கியமேரி, பூவேந்தன் பதிப்பகம், சீனிவாசா சாலை, மயிலாப்பூர், சென்னை.

இணையதளம்

W1-www.tvu.org.in

W2- www.maduraitamilproject.com

இதழ்கள்

J1- International Research Journal of Indian Literature, irjil.in

J2 - 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	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.8	2.6	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: 3Hours

(PROSE, NON-DETAILED, NIBANDH, GRAMMAR)

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):

- 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 - Pahtha Pani Nirmal b) Non-Detailed - Eakankki ki Visheshatha c) Nibandh - Onam d) Grammar – Varna Vichar , Sangya	9 HOURS
UNIT -III	a) Prose – Rashtriya Pitha Mahathma 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 b) Nibandh – Ganga Pradhushan Ki Samasya c) Grammar – Number , Karak , Visheshan	10 HOURS

UNIT-V a) Prose – Nindha Ras**10 HOURS**

b) Non – Detailed Eakanki ki Katha Vasthu

c) Nibandh – Paropkar

c) Nibandh – Paropkar

d) Grammar - Kriya , Kriya Visheshan

TOTAL: 48 HOURS**REFERENCE BOOKS:**

- I. Jayaprakash, (2002). Nuthan Gathya Sangrah (Lesson - 1, 5, 6, 8, 9), Sumithra Prakasan, 16/5. Hasting Road, Illahabad - 211001.
- II. Tiwari,S.M. Dr., (2008). Naveen Ekhaniki Sangrah, Sumithra Prakashan, 204. Leela Apartment, Ashok Nagar, Illahabad - 211001.
- III. Sing,B.K.P.D Dr., (2018). Nibandh : Subod Hindi Nibandh, Manoj Publication, 1583 - 84 Dariba Kala, Chandni Chouk, Delhi - 110006.
- IV. Pro,V.D.S., & Dharmapal, (2005). Sugam Hindi Vyakaran, Shiksha Bharathi, Kashmir Gat, 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	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.8	2.6	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

COURSE OBJECTIVE(CO):

- 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(COs):

- 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

MALAYALAM: PAPER – I		
Unit No.		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	48

Text Books:

1. Basheer.V.M, (1959),*PathummayudeAadu*, D.C.Books, Kottayam, Kerala
2. Akbar Kakkattil ,(2022), *Ente Priyappeta Kadhakal*,D.C. Books, Kottayam, Kerala
3. Expansion of ideas, General Eassay and Translation. (A simple passage)

Reference Books:

- 1..Tharakan K.M ,(2023),Malayala Novel Sahithya Charitram, B.C.Book, Kerala Sast Rasahitya, Kerala
- 2..Achuyuthan, M (2023),Cherukatha Innale Innu, D.C Books, Kottayam, Kerala
3. George K.M ,(2013)Sahithya Charitram Prasthanangalilude-, D.C.Books, Kottayam Kerala
4. Sukumar Azheekode, (2018) Malayala Sahithya Vimarsam, D.C. Books, Kottayam, Kerala

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	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.8	2.6	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

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**10 HOURS**

Introduction to Poetry, Definition of Poetry

UNIT – II**10 HOURS**

Five Maha Kavyas

UNIT – III**10 HOURS**

Text Prescribed : Raghuvamsa (Canto – 1) First Ten Slokas

UNIT – IV**09 HOURS**

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

UNIT – V**09 HOURS**

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

TOTAL: 48 HOURS**Text Books**

Sanskrit Self Teacher, By Dr.V.Varadhachari, (Present tense and Declension of endingnouns (Masculine)

Reference Books

1. *Raghuvamasa* (Canto - I), (2019). R.S. Vadhyar and Sons Palghat, Kerala.
2. Varadhachari,v.s, (2014). *Sanskrit Self Teacher* 32, Tank Bunk Road, Near Loyola College, Nungambakkam, Chennai - 600 034.

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	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.8	2.6	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

PREREQUISITE:

- Not Required

COURSE OBJECTIVES (CO):

The objectives of this course are:

- To enable the learner to communicate effectively and appropriately.
- To develop and integrate the use of the four language skills.
- To train students to acquire proficiency in French by reading different genres of literature and learning grammar.

COURSE OUTCOMES (COs):

At the end of this course, students will be able to

Cos	Course Outcomes	Blooms Level
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

Unité – I**9 HOURS**

- Leçon – Bienvenue
- Communication – Un cours de français, Entrer en contact saluer,
- Verbes – être ou avoir
- Lexique – Les couleurs, l' alphabet
- Culture – La France

Unité – II**9 HOURS**

- Leçon – Bonjour ça va ?
- Communication – Demander et dire, Comment ça va
- Verbes – Les verbes réguliers en –er.
- Lexique – Les Pays et les nationalités , Les animaux domestiques,
 - Les jours de la semaine.
- Culture – La France et la Francophonie

Unité – III**10 HOURS**

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

Unité IV**10 HOURS**

- b) Communication - Demander et répondre poliment ,Demander des
1. informations Personnelles
- c) Grammaire - La formation du feminine, La formation du pluriel ,
1. Le adjectifs possessifs
- d) Verbes -Les verbes ir 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 telephone
- c) Grammaire - La formation du féminin , La phrase interrogative
1. Qu'est-ce que... ? La phrase négative
- d) Verbes - Le verbe Faire
- e) Lexique - L'aspect physique , Le caractère, Les prépositions de lieu , Les
nombres à partir de 70
- f) Culture- Les frontières de la france,les villes connues en france.

TOTAL: 48 HOURS

REFERENCE BOOKS:

1. Cocton ,M-N, (2015, December), *Saison 1: méthode de français*, Volume 89, Number 2, Johns Hopkins University Press, Difier Paris.
2. Alcaraz,M,Escoufier, D., Gomy, C., Landier, M., Quéméner, FI., Ripaud, 2014, *Saison 1- Cahier d'activites*, Dider, Paris.
3. Akvüz A., Bernadette Bazelle-Shahmaei, Joëlle Bonenfant, Marie-Françoise Gliemann, 24 Aug. 2005, *Les 500 Exercices De Grammaire Avec Corrigés*, Hachette Francais Langue Etrangere, Paris.
4. Beaulieu C,2011, *Je Pratique Exercice De Grammaire A1*, French, Goyal Publishers, Paris.
5. Bié N.,Philippe Santinan, April 2014, *Grammaire pour adolescents 250 exercices*, French, CLE INTERNATIONAL, Paris

WEBSITES:

1. [http:// enseigner.tv5 monde.com/](http://enseigner.tv5monde.com/)
2. [bonjourdumonde.com /exercices/contenu/le – francais-du- tourisme.html](http://bonjourdumonde.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	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.8	2.6	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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: 3Hours

PREREQUISITE: Not required**COURSE OBJECTIVES (CO):**

- To enable the learner to communicate effectively and appropriately.
- To develop and integrate the use of the four language skills.
- To train students to acquire proficiency in English by reading different genres of literature and learning grammar.

COURSE OUTCOMES (COs):

At the end of this course, students will be able to

COs	Course Outcomes	Blooms Level
CO1	Use English grammar to create error-free sentences.	Apply
CO2	Build and maintain social relationships through effective communication.	Remember
CO3	Construct business letters, proposals and E-Mail communication	Remember
CO4	Plan and deliver group discussions and presentations.	Understand
CO5	Classify communication skills in business environment	Understand

UNIT – I**8 HOURS****LISTENING:** Listening –Types of Listening**SPEAKING:** Basics of Pronunciation**READING:** Reading – Types of Reading**COMPOSITION WRITING:** Jumbled Sentences**LITERATURE:** Poem- Mending Wall- Robert Frost**GRAMMAR:** Parts of Speech**UNIT – II****7 HOURS****LISTENING:** Principles of Listening Skills **SPEAKING:** Self-Introduction**READING:** Reading Techniques**COMPOSITION WRITING:** Paragraph Writing**LITERATURE:** Prose- On Running After One's Hat- G. K. Chesterton**GRAMMAR:** Types of Sentences**UNIT – III****7 HOURS****LISTENING:** Barriers of Listening**SPEAKING:** Telephone Conversations**READING:** Reading Comprehension Passages**COMPOSITION WRITING:** Precis Writing**LITERATURE:** Short Story - The Bet - Anton Chekov**GRAMMAR:** Articles**UNIT – IV****7 HOURS****LISTENING:** Story Narrations**SPEAKING:** Group Discussion**READING:** Reading Reports and profiles**COMPOSITION WRITING:** Letter Writing

LITERATURE: One-act play- The Death Trap - H.H. Munro

GRAMMAR: Tenses

UNIT – V

7 HOURS

LISTENING: Listening Strategies

SPEAKING: Interview Skills

READING: Tips for MOC- Anchoring

COMPOSITION WRITING: Circular Writing and Summary Writing

LITERATURE: Short story- The Snake Song by R K Narayan **GRAMMAR:**

Subject Predicate, Framing Questions and Question Tags

TOTAL: 36 HOURS

TEXT BOOK:

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.

WEBSITES:

1. <https://www.poemhunter.com/>
2. <https://hearhandfield.com/on-running-after-ones-hat-gk-chesterton-1915/>
3. <https://www.eastoftheweb.com/short-stories/UBooks/Bet.shtml>
4. <https://masthanappa.blogspot.com/2018/09/the-death-trap-h-h-munro-saki.html>
5. <https://shorturl.at/ud8rp>

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

PREREQUISITE:

- Familiarity with basic financial terms such as assets, liabilities, equity, revenue, expenses, Profit, and loss.

COURSE OBJECTIVES (CO):

- Students will master fundamental accounting principles, enabling them to accurately journalize transactions, maintain ledgers, and prepare trial balances effectively.
- Students will prepare final accounts, calculate depreciation, and manage hire purchase and instalment transactions, including defaults.
- Students will apply accounting principles to royalty accounting, value stock accurately, and prepare consolidated branch accounts.

COURSE OUTCOMES (COs):

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

Cos	Course Outcomes	Blooms Level
CO1	Understanding of basic accounting principles and practices for journalizing, ledger maintenance, trial balance preparation and Proficiency in preparing final accounts.	Understand
CO2	Ability to calculating depreciation's impact on financial statements.	Apply
CO3	Ability in creating consolidated financial accounts and accounting for different branch kinds.	Apply
CO4	Ability to account for transactions in hire purchase and installment systems, including default scenarios.	Apply
CO5	Apply Journal Entries and Ledger Accounts in Royalty Accounting	Apply

UNIT – I Introduction to Accounting Concepts**19 HOURS**

Accounting – Definition – Concepts and Conventions – An Overview of Accounting Standards –Ind As - Meaning- Uses and Importance – An Overview of IFRS - Final Accounts of a Sole Trader (ICAI Format)

UNIT – II Depreciation Accounting and Single Entry System**19 HOURS**

Depreciation Accounting – Methods of Depreciation- Straight Line, Diminishing Balance and Annuity Method – Amortization of Intangible Assets. Single Entry system – Meaning and Salient Features – Statement of Affairs Method- Conversion Method.

UNIT – III Branch Accounting**19 HOURS**

Branch Accounts- Dependent Branch-Stock and Debtors System (Excluding Foreign Branch) – Departmental Accounts –Inter-Departmental Transfer.

UNIT – IV Hire Purchase and Installment accounting**19 HOURS**

Hire Purchase and Instalment- Hire Purchase Accounting – Default and Repossession- Instalment Accounting.

UNIT – V Royalty Accounting**20 HOURS**

Royalty Accounting (Excluding Sub-Lease) – -Minimum Rent, Short working, Recoupment of short working, Methods of recoupment, Short working written off- Accounting treatment –Journal entries and ledger accounts in the books of Lessee and Landlord-Adjustment of minimum rent due to Strike and Lock out – AS 19.

Note: Distribution of Marks - 20% theory and 80% problem**TOTAL: 96 HOURS****TEXT BOOKS:**

1. S.P. Jain and K.L.Narang (2016) *Advanced Accountancy Principles of Accounting*, Kalyani Publishers, Ludhiana
2. S. N. Maheshwari, Suneel K Maheshwari (2018) *Financial Accounting*, 6th Edition, Vikas Publishing House, New Delhi
3. Dr. S N Maheshwari & Dr. Suneel K Maheshwari (2018), *Problems and Solutions in Advanced Accountancy* . 6th edition, Vikas Publishing House, New Delhi
4. T.S.Reddy, A.Murthy (2012) *Financial Accounting*, Margham Publication, Chennai

REFERENCE BOOKS

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

WEBSITE

https://swayam.gov.in/nd1_noc20_mg71/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	2	-	-	-	-	2	-	-	2	-	-	-	-	-	1	1
CO2	3	-	-	3	-	-	-	-	-	2	-	-	-	-	2	1	1
CO3	3	-	-	3	-	-	-	-	-	2	-	-	-	-	-	1	1
CO4	3	2	2	-	-	-	2	-	-	-	-	2	2	-	-	1	1
CO5	3	2	-	3	-	-	-	-	-	-	-	-	-	-	-	1	1
Average	3	2	2	3	-	-	2	-	-	2	-	2	2	-	2	1	1

3-Strong; 2-Medium; 1-Low,'-' - No Correlation

Instruction Hours / Week: L:7 T:0 P:0

Marks: Internal:40 External:60 Total: 100
End Semester Exam: 3Hours**PREREQUISITE:**

- Awareness of basic management concepts including planning, organizing, leading, and controlling.

COURSE OBJECTIVES (CO):

- Understand the essentials, scope, classification, characteristics, objectives, and evolution of business, including modern trends and the business-profession relationship.
- Demonstrate proficiency in management concepts, objectives, and evolution, including effective planning, decision-making, and designing organizational structures and processes.
- Apply principles of directing and controlling, including leadership, supervision, motivation, communication, and control techniques, and their relationship with planning.

COURSE OUTCOMES (COs):

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

Cos	Course Outcomes	Blooms Level
CO1	Understand the essentials, scope, types, features, goals, and evolution of business, including modern trends and the business-profession relationship.	Understand
CO2	Learn about different forms of business organizations and their sector impacts.	Understand
CO3	Demonstrate mastery in management concepts, goals, significance, history, and effective planning and decision-making skills.	Apply
CO4	Design efficient organizational structures and processes like departmentation, delegation, centralization, and span of control.	Apply
CO5	Apply directing and controlling principles, including leadership, coordination, supervision, motivation, communication, and control, linked to planning.	Apply

UNIT - I BUSINESS**16 HOURS**

Meaning and Definition of Business - Essentials - Scope of Business - Classification of Business Activities –Business Organization - Meaning – Definition - Characteristics - Objectives of Business Organization - Evolution of Business Organization - Modern Business - Business & Profession.

UNIT - II BUSINESS ORGANISATION**17 HOURS**

Forms of Business Organization - Sole Proprietorship – Joint Hindu Family – Partnership - Joint Stock Companies – One Person Company (OPC) - Co-operative Society –Limited Liability Partnership (LLP) – Government Companies - Choice of Form of Organization - Forms of Public Enterprises - International Business - Multinational Corporations.

UNIT - III MANAGEMENT**17 HOURS**

Introduction Concepts – Objectives - Nature Scope and significance of management - Evolution of Management Thought-Contribution of Taylor -Weber and Fayol Management Planning: Concept – Objectives – Nature – Limitation - Process of Planning- Importance – Forms - Techniques and Process of Decision Making.

UNIT - IV ORGANISATION**17 HOURS**

Concept – Objectives - Nature of Organisation - Types of Organization– Organisation Process – Departmentation - Delegation of Authority - Authority and Responsibilities- Centralization and Decentralization - Span of Control.

UNIT V DIRECTING AND CONTROLLING**17 HOURS**

Concept, Principles and Techniques of Directing - Coordination - Concept of leadership – Meaning – Importance – Styles – Supervision - Motivation - Communication -Controlling: Concept – Principles - Process and Techniques of Controlling - Relationship between Planning and Controlling.

TOTAL: 84 HOURS**TEXT BOOKS**

1. C.B. Gupta (2017), Business Organization and Management, Sultan Chand and Sons, New Delhi
2. C R Basu (2017), Business Organization and Management, Mc Graw Hill Education, Bengaluru

REFERENCE BOOKS:

1. Bhushan, Y.K. (2014), Business Organization and Management, 18th Edition, Sultan Chand and Sons. New Delhi.
2. Kaul, V.K., (2013), Business Organization and Management, Pearson Education, New Delhi.
3. Chhabra, T.N., (2017), Business Organization and Management, Sun India Publications, New Delhi.
4. Gupta CB, (2014), Modern Business Organization, Mayur Paperbacks, New Delhi.
5. Koontz & Weihrich, (2010), Essentials of Management, Mc Graw Hill Education, Bengaluru.

PO, CO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
CO2	3	-	-	-	-	-	-	-	-	-	2	-	-	-	3	3	3
CO3	3	-	3	2	-	-	2	-	-	-	2	-	-	2	-	-	-
CO4	3	-	-	2	-	-	2	-	-	-	-	-	-	3	-	-	-
CO5	3	-	-	-	-	1	-	-	-	-	-	-	1	-	2	2	2
AVG	3		3	2	-	1.5	2	-	-	-	2	-	1	2.5	2.5	2.5	2.5

3-Strong; 2-Medium; 1-Low,'-' - No Correlation

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

Marks: Internal:40 External:60 Total: 100
End Semester Exam: 3Hours**PREREQUISITE:**

- Computer Literacy, Microsoft Office, Word Processing, Spreadsheet Management, Basic Database.

COURSE OBJECTIVES (CO):

- Prepare documents, reports, and datasheets, utilizing built-in functions for data analysis to support decision-making.
- Utilize visual aids and tools to present data effectively, and design presentations for business meetings.
- Store, retrieve, and analyze data to make informed decisions, applying computer tools to real-life business situations.

COURSE OUTCOMES (CO's):

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

COs	Course outcomes	Blooms Level
CO1	Prepare documents and reports for the organization.	Apply
CO2	Prepare datasheet and apply the built-in functions for analyzing the data to support decision making	Analyze
CO3	Utilize visual aids and tools to present the data	Apply
CO4	Design the presentations for the business meetings	Apply
CO5	Store, retrieve data and make decisions based on the information and employ Computer on real life business situations	Apply

MS WORD**1. Basic Functions****5 HOURS**

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.

2. Prepare an invitation for the College Function**5 HOURS**

Prepare an invitation for the College Function using Text boxes and Clip Arts

3. Prepare a class time table**5 HOURS**

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.

4. Prepare a shareholders' meeting letter**5 HOURS**

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

MS EXCEL**5. Prepare a mark list of your class****5 HOURS**

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.

6. Prepare final accounts **5 HOURS**
Prepare final accounts (Trading Profit and Loss account and Balance Sheet) by using Mathematical formula.

7. Draw different types of charts **5 HOURS**
Draw different types of charts (Line, Pie, Bar) to illustrate year wise performance of sale purchase, profit of a company by using chart wizard.

MS POWERPOINT

8. Design Presentation slides for a product of your choice **5 HOURS**
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.

9. Design presentation slides for organization details for five levels of hierarchy **5 HOURS**
Design presentation slides for organization details for five levels of hierarchy of a company using organization chart.

10. Design slides for the headline news of a popular TV channel. **5 HOURS**
The presentation should contain the following transactions – Top down, bottom up, zoom in and zoom out – The presentation should work in custom mode.

11. Design presentation slides about an organization **5 HOURS**
Design presentation slides about an organization and perform frame movement by inserting clip arts to illustrate running of an image automatically.

12. Design presentation slides for the seminar **5 HOURS**
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.

MS ACCESS

13. Prepare a payroll for employee database of an organization **6 HOURS**
Prepare a payroll for employee database of an organization 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

14. Create mailing labels for student database **6 HOURS**
Create mailing labels for student database which should include atleast three table, must have at least 2 fields with the following details: Roll no, name, course, year, college name, university, address, phone number

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

REFERENCE BOOKS:

1. Dinesh Maidasani (2015), Learning Computer Fundamentals, MS Office and Internet & Web Technology, 3rd Edition, Laxmi Publications, New Delhi.

2. John Walkenbach (2015), Microsoft Excel 2016 Bible: The Comprehensive Tutorial Resource, Wiley India, 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	-	-	-	-	-	2	-	-	-	1	-	-	-	-	1	1
CO2	3	-	3	3	-	-	1	-	-	-	1	-	-	-	-	1	1
CO3	3	-	-	-	-	2	-	-	-	3	2	-	-	-	-	-	-
CO4	3	-		2	2	-	-	-	-	-	3	-	-	-	-	-	-
CO5	3	-	3	3	2	1	-	-	1	-	3	-	-	2	3	1	1
AVG	3	-	3	2.7	2	1.5	1.5	-	1	3	2	-	-	2	3	1	1

3-Strong; 2-Medium; 1-Low,'-' - No Correlation

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

Marks: Internal:100 External:00 Total: 100
End Semester Exam: 3Hours**PREREQUISITE:****Not Required****COURSE OBJECTIVES(CO):**

- Create awareness about Yoga and Physical Health.
- Providing value education to improve the students character understanding greatness of life force and Mind.
- Know about five aspects of life and to develop good Qualities and eliminating bad ones.

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

COs	Course Outcomes	Blooms Level
CO1	Understand the concepts of about Yoga and Physical Health	Understand
CO2	Study the concepts a Greatness of Life force and Mind	Understand
CO3	Learn the aspects of Personality Development – 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 - AswaSanjalana Asana ThuvipathaasvaSarjalana asana AstangaNamaskara - Bhujangasana Atha Muktha Savasana AswaSanjalanaAsara Pada Hasthasana-Hastha UttanasanaPranamasana - Pranayama: Naddisudei-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 HUMAN RESOURCE DEVELOPMENT

4 HOURS

Morality (virtues): Importance of Introspection: 1 Mine (Ego, Possessiveness) Six Evi Temperaments-Greed-Anger-Miserliness Immoral sexual passion - Inferionty and 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 LAW OF NATURE

5 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 Definition of 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:

1. Kayakapam Thathuvagnani Vethathiri Maharishi
2. Light on yoga BKS.lyenger
3. ManavalakalaPart-1-Thathuvagnani Vethathiri Maharishi.

REFERENCE BOOKS:

1. Manavalakala part-2-Thathuvagnani Vethathiri Maharishi
2. Mind ThathuvagnariVethathir Maharishi
3. Simplified Physical Exercises- ThathuvagnaniVethathiri Maharishi
4. Sound Health through yoga - Dr.Chandrasekaran
5. The world orcer of Holistic unity- ThathuvagnaniVethathiri Mahanshi
6. Thirukkural-Rev. Dr.G.U.pope
7. Yoga for modern age ThathuvagnaniVethathin Maharishi

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	2
CO2	3	-	3	3	-	-	1	-	-	-	1	-	-	-	-	1	1
CO3	3	-	-	-	-	2	-	-	-	3	2	-	-	-	-	-	2
CO4	3	-	-	2	2	-	-	-	-	-	3	-	-	-	-	1	2
CO5	3	-	3	3	2	1	-	-	1	-	3	-	-	2	3	2	-
AVG	3	-	3	2.6	2	1.5	1.5	-	1	3	2	-	-	2	3	1.2	1.7

3-Strong; 2-Medium; 1-Low,'-' - No Correlation

பாடத்திட்டப் பொதுநோக்கம்

- கற்றல் வழி சிந்தனைத் திறனையும், கருத்து வெளிப்பாட்டுத் திறனையும், மேம்படுத்துதல்.
- அரசுத் தேர்வுகளுக்கு மாணவர்களை ஆயத்தமாக்குதல்; திறனாய்வு நோக்கை மேம்படுத்துதல்.
- இலக்கியங்களின் வழி மனித வாழ்வியலை உணர்த்துதல்.
- இன்புறுத்தல் மற்றும் அறிவுறுத்தல் நிலைகளில் இலக்கியங்களின் பங்களிப்பை உணர்த்துதல்.
- இளைய தலைமுறையினருக்கு அற உணர்வு மற்றும் வாழ்வியல் மதிப்புகளை அறிவுறுத்துதல்.

பாடத்திட்டப் பயன்விளைவு

- இந்தியக் குடியரிமைப்பணி முதலான போட்டித் தேர்வுகளில் இடம்பெறுகின்ற, 'தமிழ் இலக்கிய வரலாறு' குறித்த முழுமையான அறிமுகத்தை அடைதல்.
- தொல்லியல், கல்வெட்டியல் மற்றும் ஓலைச்சுவடியியல் சார்ந்த ஆவணத் தேடலுக்குரிய ஆய்வு மனப்பான்மையுடன், இலக்கியங்களை அணுகுதல்.
- 'அறிவியல் தமிழ்' ; 'இணையத் தமிழ்' போன்ற தமிழின் வளர்ச்சித் துறைகள் சார்ந்த திறன் மேம்பாடு பெற்றிருத்தல்.
- வேலைவாய்ப்புக்குரிய வகையில் படைப்பாக்கத்திறன் முதலான மொழி ஆளுமை பெற்றிருத்தல் ;
- சமூக வாழ்வியல் மதிப்புகளைப் பேணுவதற்குக் கருவியாக உள்ள இலக்கியங்களை நாடுகின்ற மனப்பான்மை வளர்ச்சி.

இலக்கிய இன்பம்

அலகு - I

11 மணிநேரம்

தமிழ் இலக்கிய வரலாறு - தமிழிலக்கிய வரிசையில் திருமுறைகள்,

பன்னிரு திருமுறைகள் அறிமுகம்,

திருமுறை ஆசிரியர்களின் இலக்கியப் பங்களிப்பு.

பக்தி இலக்கியம்

- சைவம் - பெரியபுராணம் - திருமூலநாயனார் புராணம் -

(தேர்ந்தெடுக்கப்பட்ட 15 பாடல்கள்) - அந்தியிளம்

பிறைக்கண்ணி (1) - மற்றவர்தாம் (2), காவிநீர் (9) -

அந்நிலைமை (10), அந்தணர்தஞ் (11) - மற்றவன்றன் (12),

இவன் உயிர் (13), பாய்த்தியபின் (14) - வெய்யசுடர் (16) -

அங்கவளம் (18) - பித்துற்ற (20) - இந்தநிலை (22) -

ஆவடுதண் (25) - ஊனுடம்பில் (26) - முன்னிய (27)

கவிதை

- கண்ணன் என் சீடன் (1-150 வரிகள்) - மகாகவி பாரதியார்

- கவிதை - பெண்களின் உரிமைகள்(பெண்மை) - கவிமணி
கவிதை - செருப்புடன் ஒரு பேட்டி- கவிஞர் மேத்தா
சிறுகதை - கடவுளும் கந்தசாமிப் பிள்ளையும் -
எழுத்தாளர் புதுமைப்பித்தன்
கட்டுரை - ஆளுமைத்திறன் அறிவோம் (தன்னம்பிக்கை மாத இதழ்)
படைப்பிலக்கியப் பயிற்சி - கட்டுரைப் படைப்பாக்கத்திறன்

அலகு - 2

10 மணிநேரம்

- தமிழ் இலக்கிய வரலாறு - பன்னிரு ஆழ்வார்கள் வரலாறு
பக்தி இலக்கியம் - நாச்சியார் திருமொழி
(வாரணம் எனத் தொடங்கும் 11 பாடல்கள்) - ஆண்டாள்.
கவிதை - மலையாளக்காற்று - கவிஞர் சிற்பி பாலசுப்பிரமணியம்.
கவிதை - கம்ப்யூட்டர் கையில் நாம் - கவிஞர் ஈரோடு தமிழன்பன்
சிறுகதை - நந்தவனத்தில் ஒரு ஆண்டி- எழுத்தாளர் ஜெயகாந்தன்
கட்டுரை - அறிவியல் தமிழ் ஆக்கம் - இற்றை நிலை -
டாக்டர். வா.செ. குழந்தைசாமி
படைப்பிலக்கியப் பயிற்சி - கவிதைப் படைப்பாக்கத்திறன்

அலகு - 3

10 மணிநேரம்

- தமிழ் இலக்கிய வரலாறு - தமிழ்ப் புதுக்கவிதையின் தோற்றமும் வளர்ச்சியும்
பக்தி இலக்கியம் - திருவருட்பா - அஞ்சாதே நெஞ்சே (10 கண்ணிகள்) -
இராமலிங்க அடிகளார்.
கவிதை - கனவுகள் +கற்பனைகள் = காகிதங்கள் - கவிஞர் மீரா
கவிதை - மின்மினிகளால் ஒரு கடிதம் - கவிஞர் அப்துல்ரகுமான்
கவிதை - ஒட்டடை- கவிஞர் தாமரை
சிறுகதை - நாற்காலி - எழுத்தாளர் கி. ராஜநாராயணன்
கட்டுரை - உயர்தனிச் செம்மொழி - முனைவர் இரா. குணசீலன்
இலக்கணம் - வல்லினம் மிகும், மிகா இடங்கள்
படைப்பிலக்கியப் பயிற்சி - சிறுகதைப் படைப்பாக்கத்திறன்

அலகு- 4

10 மணிநேரம்

- தமிழ் இலக்கிய வரலாறு - தமிழ்ச் சிறுகதையின் தோற்றமும் வளர்ச்சியும்.
கவிதை - இயேசு காவியம் - கசப்புறு பாத்திரம் - "வானி லங்கு நிலவு"
முதல் "நேர மின்று நெருங்கியே" (1 முதல் 8 பாடல்கள்) -
கவிஞர் கண்ணதாசன்.

- கவிதை - அதோ அந்த அவர்கள் - கவிஞர் வாலி.

- கவிதை - ஏழை இங்கொருவருமில்லை - கவிஞர் குலோத்துங்கன்.
சிறுகதை - சுயநலம்- கவிஞர் விந்தன்.

கட்டுரை

- கங்கை வேடனும் காளத்தி வேடனும் -
சொல்லின் செல்வர் ரா.பி. சேதுப்பிள்ளை.

ஆளுமைத்திறன் மேம்பாடு - பேச்சுக்கலை

அலகு -5

07 மணிநேரம்

தமிழ் இலக்கிய வரலாறு

- தமிழ் உரைநடையின் தோற்றமும் வளர்ச்சியும்

கவிதை

- தவத்தின் மேன்மை - கவிஞர் குணங்குடி மஸ்தான் சாகிபு

கவிதை

- சின்னச் சின்ன பிரளயங்கள் - கவிஞர் வைரமுத்து

கவிதை

- சுயம் - கவிஞர் சல்மா

சிறுகதை

- மீன் - எழுத்தாளர் பிரபஞ்சன்

கட்டுரை

- வீரச்சுவை - நாவலர் ந.மு.வேங்கடசாமி நாட்டார்

மொழித்திறன் மேம்பாடு

- பிழையின்றி எழுதுதல் பயிற்சி.

மரபுத்தமிழ் - திணைமரபு - உயர்திணை, அஃறிணை,
அறிவியல் கலைச்சொற்கள்.

மொத்த மணிநேரம் - 48

TEXT BOOK T1 - கற்பகச் சோலை - தமிழ்ப்பாட நூல், இலக்கிய இன்பம், தமிழ்த்துறை வெளியீடு, கற்பகம்
உயர்கல்விக்கழகம், கோயம்புத்தூர் - 21.

பார்வை நூல்கள்

R1 - தமிழ் இலக்கிய வரலாறு, முனைவர் கா.கோ. வேங்கடராமன், கலையக வெளியீடு,
நாமக்கல்.

R2 - பெரியபுராணம் தொகுதி-1 பன்னிருதிருமுறை ஆய்வுமைய வெளியீடு, கற்பகம்
உயர்கல்விக்கழகம், கோவை-21

இணையதளம்

W1-www.tvu.org.in

W2- www.maduraitamilproject.com

இதழ்கள்

J1- International Research Journal of Indian Literature,irjil.in

J2 - 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	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.8	2.6	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	10HOURS
UNIT-IV	a) Poetry -Vishvaamithra, Thrijada b) Drama –Sikhar Swami,Shakraj c) Novel – Udhaybanulaal, Siyaram d) Grammar – Sambandh Chochak	10HOURS

- UNIT-V** a) Poetry – Bhagirath , Sagar **10 HOURS**
 b) Drama – Khingal , Mihirdev , Prohith
 c) Novel – bhalchandra Sinha,Kalyani, Rangili Bai
 d) Samuchchaybodhak, Vishmayathibodhak **TOTAL: 48 HOURS**

REFERENC BOOKS:

1. Nagarjun, (2018). Bhoomija , Radha Krishna Publication, New Delhi - 110051.
2. Jaysankar Prasad, (1933). Dhruva Swamini, Sakshi Publication, S 16, Naveen Shahdhara, Delhi - 110032.
3. Premchandh, (2020). Nirmala, Prabath Prakashan, 4/19 Asaf Ali Road, New Delhi - 110002.
4. V.shidhar Pro. & Dharmapal, (2005). Sugam Hindi Vyakaran, Shiksha Bharathi, Madharsa Road, 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	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.8	2.6	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

COURSE OBJECTIVE(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.

MALAYALAM – II		
Unit No.		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. Ambikasuthan, (2024), *Emakaje* –DC Books Kottayam, Kerala
2. Madhavikutty (2021), *Neermaathalam Poothakaalam* , DC Books Kottayam, Kerala

Reference Books:

1. Vijayalam Jayakumar (1998), *Athmakathasahithyam Malayalathil*, N.B.S.Kottayam, Kerala
2. Tharakan K.M (2023), *Malayala Novel Sahithya Charitram*, Kerala Sast Rasahitya, Kerala
3. George K.M (2013) *Sahithya Charitram Prasthanangalilude*, D.C.Books, Kottayam, Kerala
4. Sukumar Azheekode, (2018 , *Malayala Sahithyavimarsam*, D.C.Books, Kottayam, Kerala

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	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.8	2.6	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

(PROSE, GRAMMAR AND TRANSLATION)**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	10 HOURS
Introduction to Sanskrit Prose, Important prose works in Sanskrit	
UNIT – II	10 HOURS
Balaramayana – Balakanda	
UNIT – III	10 HOURS
Balaramayana – Ayodhyakanda	
UNIT – IV	09 HOURS
Balaramayana – Aranyakanda	

UNIT – V**09 HOURS**

Athmanepada Declension of ending nouns (feminine)

Passages from Sanskrit Self Teacher (Simple sentences)

TOTAL: 48 HOURS

Prose text book available at:

1. Balaramayana - A Simple Prose Version, (2019). 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	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.8	2.6	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

PREREQUISITE:

- Not Required

COURSE OBJECTIVES (CO):

The objectives of this course are:

- To make the students to speak and write errors free French.
- To 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):

At the end of this course, students will be able to

COs	Course Outcomes	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
ordinaux,

- Les adjectifs interrogatifs , Les nombres

L'heure, Les pronoms personnels COD

d) Verbes

-savoir et connaitre

e) Lexique
matières

- Les loisirs, Les activités quotidiennes ,Les

f) Culture

- les grands fleuves de france.

Unité - II

a) Leçon

- La routine

9 HOURS

	b) Communication	- Décrire sa journée	
	c) Grammaire	- Les verbes pronominaux, Les verbes du premier	
	d) groupe en -e_er, -é_er, -eler, -eter, Le verbe prendre		
	e) Verbes	- manger, boire	
	f) Lexique	- Le temps et l'heure ,La fréquence	
	g) 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 en (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	- Découvrez et dégustez	10 HOURS
	b) Communication	- Inviter et répondre ,à une invitation	
	c) Grammaire	- L'impératif ,Il faut, c'est/ il est, future proche	
	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	- Décrire une tenue , Écrire un message amical	
	c) Grammaire	- Les adjectifs démonstratifs, La formation du féminin Le pronom indéfini on, passé composé'.	
	d)	- Verbes - Les verbes du premier groupe en -yer, Les verbes voir 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. Marie-Noëlle Cocton, December 2015, *Saison 1: méthode de français*, Volume 89, Number 2, Johns Hopkins University Press, Difier Paris
2. Marion Alcaraz, Dorothee Escoufier, Camille Gomy, Mathilde Landier, Francine Quéméner, Delphine Ripaud, 2014, *Saison 1- Cahier d'activites*, Dider, Paris.
3. Anne Akvüz, Bernadette Bazelle-Shahmaei, Joëlle Bonenfant, Marie-Françoise Gliemann, 24 Aug. 2005, *LES 500 EXERCICES DE GRAMMAIRE AVEC CORRIGÉS*, Hachette Français Langue Etrangere, Paris.
4. Christian Beaulieu, 2011, *Je Pratique Exercice De Grammaire A1*, French, Goyal Publishers, Paris.
5. Nathalie Bié, Philippe Santinan, April 2014, *Grammaire pour adolescents 250 exercices*, French, CLE INTERNATIONAL, Paris.

WEBSITES :

1. <http://enseigner.tv5monde.com/>
2. [bonjourdumonde.com/exercices/contenu/le – francais-du- tourisme.html](http://bonjourdumonde.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	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.8	2.6	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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: 3Hours**PREREQUISITE:**

- Not required

COURSE OBJECTIVES(CO):

- To make the students to speak and write errors free English.
- To 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):

At the end of this course, students will be able to

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

UNIT - I**8 HOURS****LISTENING:** Listening to Different Accents and Intonation**SPEAKING** : Preparing for Small Talks**READING** : Syllabification**COMPOSITION WRITING:** Developing a story with pictures**LITERATURE:** Refuge Mother and Child by Chinua Achebe (Poetry)**GRAMMAR:** Subject Verb Agreement**UNIT - II****7 HOURS****LISTENING:** Listening in Different Contexts**SPEAKING:** Oral Presentation**READING:** Reading Passages**COMPOSITION WRITING:** Hints Development**LITERATURE:** Prose: My Childhood- Dr. A.P.J. Abdul Kalam**GRAMMAR:** Phrases and Clauses**UNIT - III****7 HOURS****LISTENING:** Listening to Buisness stories/Tedtalks**SPEAKING:** Public speaking and secrets of good delivery**READING** : Note Making

COMPOSITION WRITING: Rearranging Paragraphs
LITERATURE: Poem: A Gift of India - Sarojini Naidu
GRAMMAR: Voices

UNIT - IV

7 HOURS

LISTENING: Listening to instructions and announcements

SPEAKING: Debating

READING : Close Reading

COMPOSITION WRITING: Writing Agenda, Memos, Minutes and Notices

LITERATURE: Play: Dance Like a Man - Mahesh Dattani

GRAMMAR: Degrees of Comparison

UNIT - V

7 HOURS

LISTENING: Listening to Product Description- Labelling and Gap Filling Exercises

SPEAKING: Developing Argument and Closing

Argument **READING** : Reading Comprehension/

Summary Writing **COMPOSITION WRITING** :

Dialogue Writing **LITERATURE:** Short- story: The Bear

Hunt- Leo Tolstoy **GRAMMAR:** Direct and Indirect

speech

TOTAL: 36 HOURS

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://allpoetry.com/>
2. <https://ncert.nic.in/textbook/pdf/iebe106.pdf>
3. <https://poets.org/poem/gift-india>
4. <https://shorturl.at/4sgld>
5. <https://sportingclassicsdaily.com/leo-tolstoy/>

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

PREREQUISITE:

- Fundamental knowledge of financial accounting concepts and procedures.

COURSE OBJECTIVES(CO):

- Understand and apply accounting procedures for partner admission, including capital adjustments and profit-sharing ratios.
- Learn and apply methods for computing goodwill and understand its impact on partnership valuation.
- Gain knowledge of accounting treatments for partnership dissolution, partner insolvency, and fire claims.

COURSE OUTCOMES (COs):

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

COs	Course Outcomes	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 Admission of a Partner**17 HOURS**

Partnership- Introduction- Types – Admission of a Partner – Methods of valuation of Goodwill – Treatment for Goodwill – Revaluation of Assets and Liabilities – Calculation of Ratios for Distribution Profits – Capital Adjustments.

UNIT – II Retirement and Death of a partner**17 HOURS**

Retirement of Partner – Calculation of Gaining Ratio – Revaluation of Assets and Liabilities– Treatment of Goodwill – Treatment of Undistributed Profits or losses- Settlement of the total amount due to the Retiring partner. Death of a Partner –Calculation of amount due to Deceased partner -Methods of calculating deceased Partner’s share of profit – On the basis of time – on the basis of Turnover.

UNIT – III Dissolution and Insolvency of a partner**16 HOURS**

Dissolution of firm – Modes of Dissolution of Firm – Settlement of accounts- Insolvency of a Partner – Garner Vs Murray – Insolvency of two partners.

UNIT – IV Insolvency of all Partners and Sale of firm**16 HOURS**

Insolvency of all Partners –Deficiency Account – Piecemeal Distribution of cash (Proportionate Capital Method only).

UNIT – V Joint Venture Account

18 HOURS

Joint Venture Account – Meaning- Features- Distinction between Joint Venture and Partnership- Accounting for Joint Venture.

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

TOTAL: 84 HOURS

TEXT BOOK:

1. Jain, S.P. and Narang (2018), Financial Accounting, Kalyani Publishers, Ludhiana

REFERENCE BOOKS :

1. Shukla, M.C. Grewal, T.S. and Gupta, S.C. (2016), *Advanced Accounts*, Sultan Chand and Sons, New Delhi
2. Gupta, R.L., (2014), *Advanced Accountancy*. Sultan Chand and Sons, New Delhi
3. Maheswari, S.N., C A Sharad, K. Maheswari and K M Maheswari Suneel (2017), *Advanced Accounting*. Vikas Publishing House Pvt. Ltd., New Delhi.
4. Arulanandam, M.A., & Raman, K.S. (2016), *Advanced Accountancy*, Vikas Publishers, New Delhi.
5. Gupta, R.L., & Rathaswamy. (2014), *Advanced Accounting*. Sultan Chand & Sons, New Delhi.

Websites:

1. https://swayam.gov.in/nd2_ccc20_mg16/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	-	2	3	3	-	1	3	3	-	-	-	-	-	-	1	1
CO2	3	-	2	3	3	2	-	3	3	-	-	-	-	-	-	1	1
CO3	3	-	2	3	3	2	-	3	3	-	-	-	1	-	-	1	1
CO4	3	-	2	3	3	2	-	3	3	-	-	-	1	-	-	1	1
CO5	3	-	-	3	3	2	-	3	3	1	-	-	-	-	-	1	1
AVG	3	-	2	3	3	2	1	3	3	1	-	-	1	-	-	1	1

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:

- Familiarity with microeconomic concepts like supply and demand, market structures, and consumer behavior.

COURSE OBJECTIVES (CO):

- Understand key macroeconomic concepts, including inflation, interest rates, and macroeconomic behavior.
- Learn about policies for market stability and external factors influencing macroeconomics.
- Grasp the role of regulators in maintaining macroeconomic stability.

COURSE OUTCOMES(COS):

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

COs	Course Outcomes	Blooms Level
CO1	Understand macroeconomic concepts & Inflation and Interest rates	Understand
CO2	Learn and apply the various policies which are used to have stability in the markets.	Apply
CO3	Understand the external factors influencing macroeconomics.	Understand
CO4	Learn the role of regulators.	Understand
CO5	Understand the macroeconomic behavior in response to various economic policies	Understand

UNIT I: INTRODUCTION TO MACROECONOMICS**8 HOURS**

Microeconomics and Macroeconomics the concept of 'equilibrium' in economics, Broad outline

UNIT II: INFLATION**10 HOURS**

Theories of inflation Impact of inflation on macroeconomic variables Controlling inflation Interest Rates Factors affecting the level of Interest Rate Impact of interest rates Concept of Real Interest Rate.

UNIT III: NATIONAL INCOME ACCOUNTING:**10 HOURS**

Measuring Economic Activity Some other ways to measure National Income Saving and Investment in India Role of the Government in an Economy Government Expenditure and Revenue the Deficit Indicators Financing of deficit by the Government Fiscal Deficit and sustainability of Internal Debt Fiscal policies and their impact on the financial markets

UNIT IV: GOVT. FISCAL AND MONETARY POLICY**10 HOURS**

Role of Money Components of Money in India Demand for Money Supply of Money Different roles of RBI in India Role of Commercial Banks in Money Supply Other Instruments of Money Supply Market Stabilization Scheme Use of Monetary policy Use of Fiscal policy.

UNIT V: WHY DO COUNTRIES TRADE?**10 HOURS**

India and International Trade Balance of Payments Foreign Direct Investment Foreign Portfolio Investment Exchange Rates Foreign Exchange Reserves Impact of capital flows on money supply Sterilization of Capital Flows Role of Financial Markets, Equity, Derivative and Debt Markets Regulatory institutions such as RBI, SEBI, IRDA, PFRDA etc.

TOTAL 48 HOURS**TEXT BOOKS:**

1. Principles of Macroeconomics, by Soumyen Sikdar, OUP India; 3rd edition
2. Principles of Macroeconomics, by Narayan Rangaraj, Dholakia, McGraw Hill Education

REFERENCE BOOKS:

1. NCFM – Macro Economics for Financial Markets – by NSE Academy, Mumbai
2. Macro economics: Theory and Policy, by Agarwal, Pearson Education India

WEBSITE:

1. <https://www.nseindia.com/learn/self-study-ncfm-modules-intermediate-macroeconomics-for-financial>

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
CO1	3	-	3	1	-	-	-	-	2	-	-	-	-	-	3	1	2
CO3	3	-	3	-	-	-	-	-	-	-	-	-	-	-	3	1	2
CO4	3	--	3	-	-	-	-	-	2	-	-	-	-	-	3	2	1
CO5	3	-	3	-	-	-	-	-	-	-	-	--	-	-	3	1	2
Average	3	-	3	1	-	-	-	-	2	-	-	-	-	-	3	1.4	1.6

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

COURSE OBJECTIVES (CO):

- To understand and apply fundamental concepts of matrices, interest calculations, and differential calculus in business and economic contexts.
- To perform univariate and bivariate statistical analyses, including measures of central tendency, variation, correlation, and regression.
- To 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	Blooms Level
CO1	Utilize the basic concepts and types of matrices to perform matrix algebra.	Analyze
CO2	Apply differentiation rules to various functions and solve problems related to elasticity, cost, revenue, and profit.	Analyze
CO3	Solve statistical measures such as mean, median, mode, and partition values to data sets.	Analyze
CO4	Utilize the correlation or regression methods to find the relationship between two variables.	Analyze
CO5	Apply the methods to construct simple and weighted index numbers and perform trend analysis using time-series data.	Analyze

UNIT I MATRICES AND BASIC MATHEMATICS OF FINANCE**14 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**14 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: Maxima and Minima of functions (involving second or third order derivatives) relating to cost, revenue and profit.

UNIT III UNI-VARIATE ANALYSIS**14 HOURS**

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

UNIT IV BIVARIATE ANALYSIS**15 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**15 HOURS**

Meaning and uses of index numbers; Construction of index numbers: Aggregative and average of relatives – simple and weighted, 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: 72 HOURS**TEXT BOOKS:**

1. Sharma, J.K. (2019). *Business Statistics*, 5th Edition, Vikas Publishing House, New Delhi.
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*, 1st Edition, 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. (2022). *Business Statistics and Business Mathematics*, 5th Edition, Sultan Chand and Sons 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=6yQorRRp7CY>

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	-	3	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	2	-	3	-	-	-	-	-	-	-	-	-	2	-	-
Average	-	-	2.3	3	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

PREREQUISITES:

- Basic knowledge of Excel interface, data entry, and simple spreadsheet operations.

COURSE OBJECTIVES(CO):

- Understand the various inbuilt features of Excel and its applications in Finance.
- Construct formulas, including the use of built in functions, and relative and absolute REFERENCE BOOKS.
- Create and modify charts.

COURSE OUTCOMES(COS):

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

Cos	Course Outcomes	Blooms Level
CO1	Apply the inbuilt features of Excel to various applications in Finance.	Apply
CO2	Apply formulas to arrive solutions to finance problems.	Apply
CO3	Build charts using dummy data.	Create
CO4	Carryout multiple data analysis.	Evaluate
CO5	Apply excel macros for building financial models	Apply

Exercises:

1. Microsoft Excel as a tool for Financial Analytics Introduction MS Excel, Excel's key board shortcuts, Excel functions –
 - Math's
 - Statistical
 - Logical
 - Lookup
 - Date
 - Text
 - Financial
 - Charts
 - Conditional formatting
 - Auto & advance filter
 - Sorting and Data validation
2. Data Analysis
 - Histogram analysis
 - Descriptive analysis
 - Covariance & correlation analysis

16 HOURS

- Regression analysis
- What if analysis – Solver

16 HOURS

3. Application of Excel in Business Modelling and VBA
 - Loan amortization model
 - NPV model
 - Ratio analysis model
- Macros, VBA

16 HOURS

TOTAL 48 HOURS

Application Required

- Microsoft Excel

TEXT BOOK:

1. Advance Excel 2019 Training Guide: Tips and tricks to kick start your excel skills, by Manish Nigam, BPB Publications; First edition

REFERENCE BOOKS:

1. Excel 2019 All in One: Master the new features of Excel 2019, by Lokesh Lalwani, BPB Publications; 1st edition
2. Microsoft Excel 2019: Data Analysis & Business Model, by L. Winston Wayne, PHI Learning Pvt. Ltd.

WEBSITE:

1. <https://www.udemy.com/course/decision-making-with-excel-formanagers/?couponCode=SKILLS4SALEA>

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	3	-	1	-	-	-	-	-	-	-	-	-	-	-	3	1	2
CO2	3	-	-	1	-	-	-	-	-	-	1	-	-	-	3	1	2
CO3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	2
CO4	3	-	1	-	-	-	-	-	-	-	1	-	-	-	3	1	2
CO5	3	-	-	1	-	-	-	-	-	-	-	-	-	-	3	1	2
Average	3	-	1	1	-	-	-	-	-	-	1	-	-	-	3	1	2

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**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.

COURSE OUTCOMES (COs):

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

Cos	Course Outcomes	Blooms Level
CO1	Define the structure and functions of various ecosystems	Remember
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 - ENVIRONMENTAL STUDIES & ECOSYSTEMS 5 HOURS

Environment Definition, Scope and importance; Ecosystem, Structure, classification, and functions of ecosystem. 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 ground water.

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. Bio-geographical classification of India. Hot-spots 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**

Environmental Pollution - Definition, causes, effects and control measures of Air pollution, Water pollution, Soil pollution, Noise pollution. Nuclear hazards and human health risks.

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

Social Issues and the Environment - 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 text book for Environmental Studies, University Grants Commission and Bharat Vidyaapeeth Institute of Environmental Education Research, New Delhi.
2. Anubha Kaushik., and Kaushik, C.P. 2008. Perspectives in Environmental Studies. (3rd Ed.). New Age International Pvt. Ltd. Publications, NewDelhi.

REFERENCE BOOKS:

1. Arvind Kumar. 2009. A Textbook of Environmental Science. APH Publishing Corporation, New Delhi.
2. Bodkin and Keller. 2014. Environmental Science: Earth as a Living Planet. (9th Ed.) Wiley
3. Mishra, D.D. 2010. Fundamental Concepts in Environmental Studies. S.Chand & Company Pvt. Ltd., New Delhi.
4. Odum, E.P., Odum, H.T. and Andrews, J. 1971. Fundamentals of Ecology. Philadelphia: Saunders.
5. Rajagopalan, R. 2016.Environmental Studies: From Crisis to Cure, Oxford University Press.
6. Sing, J.S., Sing. S.P. and Gupta, S.R. 2014. Ecology, Environmental Science and Conservation. S. Chand & Publishing Company, New Delhi.
7. Singh, M.P., Singh, B.S., and Soma, S. Dey. 2004. Conservation of Biodiversity and Natural Resources. Daya Publishing House, New Delhi.
8. Tripathy. S.N., and Sunakar Panda. (2011). Fundamentals of Environmental Studies (3rd Ed.). Vrianda Publications Private Ltd, New Delhi.
9. Uberoi, N.K. 2010. Environmental Studies. (2nd Ed.). Excel Books Publications, New Delhi.
10. Verma, P.S., and Agarwal V.K. 2016. Environmental Biology (Principles of Ecology).S. Chand and Company Ltd, New Delhi.
11. Environmental Biotechnology: Principles and Applications, Second Edition 2nd Edition by Bruce Rittmann and Perry McCarty , 2020

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
Average	3	-	-	-	-	-	-	2	2	-	2	2	2	-	2	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**பாடத்திட்டப் பொதுநோக்கம்**

- கற்றல் வழி சிந்தனைத் திறனையும், கருத்து வெளிப்பாட்டுத் திறனையும், மேம்படுத்துதல்.
- அரசுத் தேர்வுகளுக்கு மாணவர்களை ஆயத்தமாக்குதல்; திறனாய்வு நோக்கை மேம்படுத்துதல்.
- இலக்கியங்களின் வழி மனித வாழ்வியலை உணர்த்துதல்.
- இன்புறுத்தல் மற்றும் அறிவுறுத்தல் நிலைகளில் இலக்கியங்களின் பங்களிப்பை உணர்த்துதல்.
- இளைய தலைமுறையினருக்கு அற உணர்வு மற்றும் வாழ்வியல் மதிப்புகளை அறிவுறுத்துதல்.

பாடத்திட்டப் பயன்விளைவு

- இந்தியக் குடியரிமைப்பணி முதலான போட்டித் தேர்வுகளில் இடம்பெறுகின்ற, 'தமிழ் இலக்கிய வரலாறு' குறித்த முழுமையான அறிமுகத்தை அடைதல்.
- தொல்லியல், கல்வெட்டியல் மற்றும் ஓலைச்சுவடியியல் சார்ந்த ஆவணத் தேடலுக்குரிய ஆய்வு மனப்பான்மையுடன், இலக்கியங்களை அணுகுதல்.
- 'அறிவியல் தமிழ்'; 'இணையத் தமிழ்' போன்ற தமிழின் வளர்ச்சித் துறைகள் சார்ந்த திறன் மேம்பாடு பெற்றிருத்தல்.
- வேலைவாய்ப்புக்குரிய வகையில் படைப்பாக்கத்திறன் முதலான மொழி ஆளுமை பெற்றிருத்தல்;
- சமூக வாழ்வியல் மதிப்புகளைப் பேணுவதற்குக் கருவியாக உள்ள இலக்கியங்களை நாடுகின்ற மனப்பான்மை வளர்ச்சி

**தமிழிலக்கியத் திறனாய்வு
போட்டித் தேர்வு நோக்கில் தமிழிலக்கியங்கள்**

அலகு - 1

10

மணிநேரம்

அற இலக்கியம் - திருக்குறள் - தெரிந்து தெளிதல் - கூடா நட்பு.

நாலடியார் - பெரியாரைப் பிழையாமை - (பாடல் 161 முதல் 165 வரை பொறுப்பர் என்றெண்ணி, பொன்னே கொடுத்தும், அவமதிப்பும், விரிநிற நாகம், எம்மை அறிந்திலீர்)

பழமொழி நானூறு - (பாடல் 151 முதல் 155 வரை - (வேளாண்மை செய்து, ஒன்றால் சிறிதால், இனி யாரும் இல்லாதார், தற்றுாக்கி, வீங்குதோள்)

இனியவை நாற்பது - (பாடல் 31 முதல் 35 வரை) - (அடைந்தார் துயர்கூறா, கற்றறிந்தார் கூறும், ஊர்முனியா, எல்லிப் பொழுது, ஒற்றினான் ஒற்றி)

சிறுபஞ்சமூலம் - பூவாது காய்க்கும் (20) - பூத்தாலும் காயா மரம் உள் (21).

ஏலாதி (1 முதல் 5 பாடல்கள் வரை - சென்ற புகழ், கொலை புரியான், தவம் எளிது, இடர் தீர்த்தல், தனக்கு என்னும்)

மூதுரை - (11 முதல் 15 வரை) - (பண்டு முளைப்பது, மடல் பெரிது,

கவையாகி கொம்பாகி, கான மயிலாட, வேங்கை வரிப்புலி) முதலான பாடல்களைத் திறனாய்தல்.

அலகு - 2

08

மணிநேரம்

காப்பியங்கள் - ஐம்பெருங்காப்பியங்கள்

- சிலப்பதிகார வழக்குரைகாதை
- ஐஞ்சிறு காப்பியங்கள்
- சூளாமணி அரசியற் சருக்கம்
- பிற்கால இலக்கியங்கள்

(பாரதசக்தி மகாகாவியம், இராவண காவியம்)

சிறுநிலக்கியங்கள்

- குற்றாலக்குறவஞ்சி - பிள்ளைத்தமிழ் - பரணி - தூது - உலா
முதலான இலக்கியங்களைத் திறனாய்தல்.

அலகு - 3

10 மணிநேரம்

தமிழின் தொன்மை

- திராவிடமொழிகள் தொடர்பான செய்திகள்

தமிழ் வளர்த்த சான்றோர்

- உ.வே.சாமிநாதர் - தெ.பொ.மீனாட்சி சுந்தரனார் - சி. இலக்குவனார்
ஆகியோரின் தமிழ்ப்பணி - தேவநேயப்பாவாணர் - அகரமுதலி -
பாவலரேறு பெருஞ்சித்திரனார் - ஜி.யு.போப் - வீரமாமுனிவர்
ஆகியோரின் தமிழ்த்தொண்டு.

அலகு - 4

10 மணிநேரம்

தமிழ்வளர்த்த சான்றோர்

- மகாகவி பாரதியார் - பாவேந்தர் பாரதிதாசன் - கவியரசு

கண்ணதாசன் - பட்டுக்கோட்டை கல்யாணசுந்தரனார் - கவிஞர் முடியரசன் - நாமக்கல் கவிஞர் -
சிலம்புச் செல்வர் ம.பொ.சிவஞானம் ஆகியோரின் தமிழ்ப்பணி - சாகித்ய அகாதெமி விருது பெற்ற
இலக்கியங்கள்.

அலகு - 5

10 மணிநேரம்

கடிதப்பயிற்சி

- 1. நண்பனுக்குப் பாராட்டுக் கடிதம்

2. தமிழ் மன்ற நிகழ்வை நாளிதழில் வெளியிட வேண்டி

பதிப்பாசிரியருக்கு விண்ணப்பம்

3. கருத்தரங்கப் பங்கேற்பிற்கான அனுமதி வேண்டி விண்ணப்பம்

4. வேலை வேண்டி விண்ணப்பம்

இலக்கணம்

- எழுத்து - குறில், நெடில் வேறுபாடு - லகர, ளகர, ழகர வேறுபாடு -

னகர, ணகர வேறுபாடு - ரகர, றகர வேறுபாடு அறிதல்.

பேச்சு வழக்குத் தொடரிலுள்ள பிழை திருத்தம் -

(எ.கா.) நேத்து மழ பேஞ்சுது - நேற்று மழை பெய்தது.

மொத்த மணிநேரம் - 48

TEXT BOOK T1 - கற்பகச் சோலை - தமிழ்ப்பாட நூல், இலக்கிய இன்பம், தமிழ்த்துறை

1. வெளியீடு, கற்பகம் உயர்கல்விக்கழகம், கோயம்புத்தூர் - 21.

பார்வை நூல்கள்

1. R1- தமிழ் இலக்கிய வரலாறு, முனைவர் கா.கோ. வேங்கடராமன், கலையக வெளியீடு,
நாமக்கல்.

2. R2 - வகைமை நோக்கில் தமிழ் இலக்கிய வரலாறு, முனைவர் பாக்யமேரி, பூவேந்தன்

பதிப்பகம், சீனிவாசா சாலை, மயிலாப்பூர், சென்னை.

இணையதளம்

W1-www.tvu.org.in

W2- www.maduraitamilproject.com

இதழ்கள்

J1- International Research Journal of Indian Literature, irjil.in

J2 - 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) bLetter Writing –Personal Letter	9HOURS
UNIT-II	a) Story – Puraskar b) Kaal Vibhajan , Char Prakar c) Ramesh Babu ,Devdeen d) Letter Writing – Leave Letter	9HOURS
UNIT-III	a) Story – Usne Kaha Tha b) Literature – Adhikaal c) Indhubhooshan, Rathna, Johra d) Letter Writing – Letter for the Publisher	10HOURS
UNIT-IV	a) Story – Paanchminte b) Poorva Madhya Kaal c) Manibhooshan, Dhayanath, Rameshwari d) Letter Writing – Application for job	10HOURS

UNIT-V a) Story – kafan

10HOURS

b) Reethi Kaal, Adhunik Kaal

c) Dheen Dhayal, Manaki,

d) Letter Writing – Complaint Letter

TOTAL: 48 HOURS

REFERENCE BOOKS

- I. Hindi Prachar Sabha D.B, (2003). Kahani Manjari, T.Nagar, Chennai - 600017.
- II. Sharma, R. A., (1972). Hindi Sahithya ka Saral Ithihas, History of Hindi, Vinoth Pusthak Mandir, Agra - 02.
- III. Premchandh, (2013). Gaban, Rajkamal Prakashan, New Delhi - 110002.
- IV. Sharan,. (2004). Sumitha Hindi Nibandh Aur Pathra Lekhan, 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

COURSE OBJECTIVE(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	MALAYALAM - III	Hours
I	Poetry – Chintha vishtayaya Seetha	10
II	Poetry – Chintha vishtayaya Seetha	10
III	Poetry – Mrugasikshakan - (Murgasikshakan, Kausalya, Varavu, Vittupoku Ekalavyan, Mazha) 6 poetries	10
IV	Poetry – Mrugasikshakan-(Kayal, Karkkadakam, Bhagavatham, Vazhivakkile naikutty, Edavelayil oru nimisham, Verumoru kathu) 6 poetries	09
V	Poetry – Aayisha	09
	TOTAL	48

Text Books:

1. Kumaranasan,(1919) *Chinthavishtayaya Seetha*, Kerala Book Store Publishers. Kottayam
2. Vijayalakshmi, (2017) *Mrugasikshakan* ,DC Books, Kottayam
3. Vayalar Rama varma,(1903) *Aayisha* , Kerala Book Store Publishers, Kerala

Reference Books:

1. Dr..Leelavathi M ,(2015),Kavitha SahithyaCharitram,Kerala SahithyaAcademy,Trichur
2. Dr..Leelavathi M ,(2023),Kavitha Dwani,D.C.Books, Kottayam
3. Dr..George K.M,(2013),Aadhunika SahithyacharithramPrasthanangalilude,D.C.Books, Kottayam
4. Chummar T.M,(1936),Padya SahithyaCharithram,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	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

(DRAMA AND HISTORY OF SANSKRIT LITERATURE)**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**10 HOURS**

History of Sanskrit Drama and its origin.

UNIT – II**10 HOURS**

Important Sanskrit Dramas and important authors.

UNIT – III**10 HOURS**

Text Prescribed: "Dutavakyam" of Bhasa, (First half)

UNIT – IV**09 HOURS**

Text Prescribed: "Dutavakyam" of Bhasa, (Second half)

UNIT – V**09 HOURS**

Translation: From the known passages of the above text.

TOTAL: 48 HOURS

Text Books

- *Dutavakyam of Bhasa*, (2017). 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	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

(HISTOIRE, HISTOIRE DE LA LITTÉRATURE FRENCAIS, ROMAN, RÉDACTION DE LETTRES)

PREREQUISITE:

- Not Required

COURSE OBJECTIVES (CO):

The objectives of this course are

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

COURSE OUTCOMES (COs):

At the end of this course, students will be able to

COs	Course Outcomes	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

Unite – I**9 HOURS**

- Leçon – Vivre la ville,, Visiter une ville
- Communication - Indiquer le chemin
- Grammaire - La comparaison, Les prépositions avec les noms géographiques, Les pronoms personnels COI
- Lexique – La ville, Les lieux de la ville, Les transports
- Culture – Le français : une ouverture sur le monde

Unité – II**9 HOURS**

- a. Leçon -• On vend ou on garde ?
- b. Communication -Demander des renseignements touristiques
- c. Grammaire - Le pronom y (le lieu), La position des pronoms compléments Les 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

Unité – III**10 HOURS**

- a. Leçon
- b. Communication- permettre, défendre.
- c. Grammaire -La formation du pluriel (2)
- d. Les adjectifs de couleur, Les adjectifs beau, nouveau, vieux
- e. Lexique - Les couleurs, Les formes, Les me
- f. culture – les grandes fleuves en Français.

Unité – IV**10 HOURS**

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

Unité - V**10 HOURS**

- 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

TOTAL: 48 HOURS

REFERENCE BOOKS:

1. Marie-Noëlle Cocton, 2015, *Saison 1: méthode de français*, Volume 89, Number 2, [Johns Hopkins University Press](http://www.johnshopkins.edu), Dider Paris.
2. Marion Alcaraz, Dorothee Escoufier, Camille Gomy, Mathilde Landier, Francine Quémener, Delphine Ripaud, 2014, *Saison 1- Cahier d'activites*, Dider, Paris.
3. Anne Akvüz, Bernadette Bazelle-Shahmaei, Joëlle Bonenfant, Marie-Françoise Gliemann, 24 Aug. 2005, *LES 500 EXERCICES DE GRAMMAIRE AVEC CORRIGÉS*, Hachette Francais Langue Etrangere, Paris.
4. Christian Beaulieu, 2011, *Je Pratique Exercice De Grammaire A1*, French, Goyal Publishers, Paris.
5. Nathalie Bié, Philippe Santinan, April 2014, *Grammaire pour adolescents 250 exercices*, French, CLE INTERNATIONAL, Paris.

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	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

PREREQUISITE:

- Not required

COURSE OBJECTIVES (CO):

- To improve the ability to comprehend and interpret spoken information accurately.
- To cultivate effective communication for various professional and personal scenarios.
- To develop student entrepreneurs by training them as English language instructors and promoting communicative English in schools and colleges.

COURSE OUTCOMES (COs):

At the end of this course, students will be able to

COs	Course Outcomes	Blooms Level
CO1	Identify new words by employing vocabulary building techniques.	Remember
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.	Apply
CO4	Follow leadership, work ethics and management principles	Understand
CO5	Express values and skills gained through effective communication to other disciplines.	Understand

UNIT – I**8 HOURS**

LISTENING: Listening Comprehension-Listening for Specific Information- Interpreting Charts and Diagrams

UNIT - II**7 HOURS**

SPEAKING: Essentials of effective Communication- **Telephone Skills:** Understanding Telephone Conversation-Handling Calls-Leaving Messages-Making Requests-Giving Instructions and Orders.

UNIT – III**7 HOURS**

READING: Reading with a purpose-Skimming and Scanning-Locating Main Points-Reading Critically- Sequencing of Sentences-Reading Comprehension

UNIT - IV**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**7 HOURS****VOCABULARY:** Synonyms-Antonyms-Prefixes-Suffixes- Idioms- Different Types of English- Homonyms and Homophones (British and American)**TOTAL: 36 HOURS****TEXT BOOK:**

1. Board of Editors (2024). *Proficiency in Communication I*. Karpagam Academy of Higher Education

REFERENCE BOOKS:

1. Martin's, St (2013). *Oxford Handbook of Writing: Handbook of Writing*. Cambridge University Press.
2. Wren & Martin, (2008). *High School English Grammar & Composition*, S.Chand & Company Ltd, Board of Editors,
3. Krashen, Stephen D (1982). *Principles and Practice in Second Language Acquisition*, New York: Pergamon Press

WEB SITES:

1. <https://www.scribbr.com/>
2. <https://www.quora.com/>

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

PREREQUISITE:

- Corporate financial structures, valuation methods for shares and goodwill, insolvency and liquidation.

COURSE OBJECTIVES (CO):

- Recall the basic concepts and terms of corporate accounting.
- Understand accounting procedures for raising funds, redemption, and preparing financial statements for joint stock companies.
- Develop skills in evaluating goodwill, shares, and understanding the liquidation of company

COURSE OUTCOMES (COs):

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

COs	Course Outcomes	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**14 HOURS**

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. Debentures- Meaning –Types.

UNIT – II Amalgamation and Absorption of companies**14 HOURS**

Accounting for Amalgamation (AS14) – Types of Amalgamation- Method of Purchase Consideration and Accounting for Absorption of Companies.

UNIT – III Reconstruction of Companies**14 HOURS**

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

UNIT – IV Financial Statement of Companies**14 HOURS**

Financial Statement of Companies as per Schedule III of Companies Act, 2013- Statement of Profit and Loss - Balance Sheet–Cash Flow Statement.

UNIT – V Liquidation of Companies**16 HOURS**

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

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

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.

REFERENCE BOOKS:

1. Dr. S N Maheshwari, CA Sharad K Maheshwari & Dr. Suneel K Maheshwari (2018), Corporate Accounting, 6th Edition, Vikas Publishing, New Delhi.
2. Jain, S.P. and K.L. Narang (2015), Corporate Accounting, 8th Edition, Vol. I, Kalyani Publishers, New Delhi.
3. Jain, S.P. and K.L. Narang (2014), Advanced Accountancy (Corporate Accounting), 8th Edition, Vol. I, Kalyani Publishers, New Delhi.
4. CA & Dr. P C Tulsian & CA Bharat Tulsian (2016), Corporate Accounting, 2nd Edition, S.Chand and Sons, New Delhi

Websites:

1. 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	1	2	1	2	-	-	-	-	2	-	-	-	-	3	1	1
CO2	3	-	2	2	3	-	-	-	-	2	-	-	-	-	2	1	1
CO3	3	2	2	3	3	2	2	-	-	3	-	-	-	2	3	1	1
CO4	3	2	3	3	3	2	2	-	-	3	-	-	-	-	3	1	1
CO5	3	2	3	3	3	2	2	-	-	2	-	-	-	-	3	1	1
Average	3	1.7	2.4	2.4	2.8	2	2	-	-	2.4	-	-	-	2	2.8	1	1

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 knowledge in programming, mathematics (including linear algebra, calculus, and statistics), data science, algorithms, and computer science concepts.

COURSE OBJECTIVES(CO):

- Understand the need and significance of machine learning and basic concepts of AI, including state-of-the-art techniques.
- Identify, formulate, and implement a machine learning project and explore its applications across various business aspects.
- Learn the application of machine learning and AI algorithms in different fields such as science, medicine, and finance.

COURSE OUTCOMES(COS):

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

Cos	Course Outcomes	Blooms Level
CO1	Understand the basic definition and need for machine learning	Understand
CO2	Understand the core aspects behind any machine learning project	Understand
CO3	Ability to implement a machine learning project	Apply
CO4	Ability to identify potential applications of machine learning in real time	Apply
CO5	Apply the machine learning concepts in real life problems	Apply

UNIT I: BASICS CONCEPTS OF MACHINE LEARNING**9 HOURS**

ML Definition, Various kinds of problems tackled using ML, some standard learning tasks, Learning Stages, Learning Scenarios, Generalization, Data, Models and Learning, Parameter Estimation, Probabilistic Modelling and Inference, Directed Graphical Models, Setting up your working Environment, Supervised vs Unsupervised Learning, Cross Validation, Evaluation metrics.

UNIT II: ADVANCED CONCEPTS OF MACHINE LEARNING**9 HOURS**

Fundamentals of statistical learning theory Convergence and learn ability Kullback Leibler Information Model selection and the bias variance trade off

Cross validation Regularization Generative vs Discriminative models Neural Networks The Perceptron Feed Forward Neural Networks Back propagation and stochastic gradient descent Regularization and drop out Application to investment management

UNIT III: SUPERVISED LEARNING**10 HOURS**

Linear Regression Parametric Problems Decision Trees Random Forests Classifications K Nearest Neighbors Support Vector Naïve Bayes

UNIT IV: UNSUPERVISED LEARNING**10 HOURS**

Clustering K Means clustering Dimensionality Reduction Principle Component Analysis Hierarchical Clustering DBSCAN Semi supervised learning Reinforcement Learning

UNIT V: ADVANCED NEURAL NETWORKS**10 HOURS**

Convolutional Neural Networks Recurrent Neural Networks Long Short Term Memory (LSTM)
 Autoencoders Applying Learning to Real problems Image Classification & Segmentation Scoring
 Opinion and Sentiments Recommending Products and Movies Bitcoin Prediction Predicting from the
 Limit Order Book

TOTAL 48 HOURS**REFERENCE BOOKS:**

1. Mac Namee, B, D'Arcy, A, Kelleher, J D (2015) Fundamentals of Machine Learning for Predictive Data Analytics: Algorithms, Worked Examples, and Case Studies United Kingdom: MIT Press
2. Artificial Intelligence and Intelligent Systems, by N P Padhy, Oxford University Press,
3. Lopez de Prado, M (2018) Advances in Financial Machine Learning Germany: Wiley

TEXT BOOKS:

1. Dixon, M F, Halperin, I, Bilokon, P A (2020) Machine Learning in Finance: From Theory to Practice Germany: Springer International Publishing
2. Mueller, J P, Massaron, L (2021) Machine Learning For Dummies United States: Wiley
3. Guido, S, Müller, A C (2016) Introduction to Machine Learning with Python: A Guide for Data Scientists United States: O'Reilly Media
4. Mueller, J P, Massaron, L (2021) Machine Learning For Dummies United States: Wiley
5. Cooper, S (2018) Machine Learning for Beginners: An Introduction for Beginners, Why Machine Learning Matters Today and How Machine Learning Networks, Algorithms, Concepts and Neural Networks Really Work (np): Steven Cooper

WEBSITE

1. [https://www.kdnuggets.com/2020/03/trends machine learning 2020.html](https://www.kdnuggets.com/2020/03/trends-machine-learning-2020.html)

CO, PO, PSO Mapping

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

S Strong; M Medium; L Low

Cos	Course Outcomes	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**16 HOURS**

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**14 HOURS**

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**14 HOURS**

Understand the principles of recognising 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**14 HOURS**

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**14 HOURS**

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 : 72 HOURS**TEXT BOOKS**

1. Subramanyam, K. R. and John, J.W. (2014), —Financial Statement AnalysisI, 10th Edition, Tata

McGraw Hill, New Delhi.

- Stephen H. Penman (2014) —Financial Statement Analysis and Security Valuationl, 4th Edition, Tata McGraw Hill, New Delhi.

REFERENCE BOOKS

- M.S Narasimhan (2016), Financial Statement Analysis, 1st Edition, Cengage Learning India Private Limited, New Delhi.
- Charles H. Gibson (2013), Financial Statement Analysis, 13th edition, Cengage Learning India Private Limited, New Delhi.
- Lawrence Revsine, Daniel Collins, Bruce Johnson, Fred Mittelstaedt, Leonard Soffer (2015), Financial Reporting and Analysis, 6th Edition, McGraw-Hill Education, New Delhi.
- Deepa Agarwal (2017), Financial Reporting and Auditors Responsibility, 2nd edition, Bloomsbury Professional India, New Delhi.

Deepa Agarwal (2018), The Law & Practice of Financial Reporting and Auditor’s Responsibilities under Companies Act, 2013, 1st Edition, Bloomsbury Professional India, New Delhi

PO,CO,PSO Mapping

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
CO2	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	2
CO3	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-		
CO4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
CO5	3	-	1	1	2	-	-	-	-	-	-	-	-	-	-	1	1
Average	3	1	1	2	2	1	-	-	-	-	-	-	-	-	-	1.3	1.3

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 knowledge of financial accounting and economics.

COURSE OBJECTIVES(CO):

- Understand the terms and jargons used in financial newspapers and periodicals, and to learn about financial statements and their interpretations.
- Understand the types of financial markets and instruments used for trade, and the concepts of derivatives.
- Understand the role and functions of various intermediaries and regulatory bodies in the Indian financial market.

COURSE OUTCOMES(COS):

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

COs	Course Outcomes	Blooms Level
CO1	Understand the basic concepts relating to different avenues of investment	Understand
CO2	Understand the role and functioning of the market	Understand
CO3	Apply the concepts of derivative	Apply
CO4	Analysis the difference between the primary and the secondary market	Understand
CO5	Evaluate the various financial statements	Evaluate

UNIT I: MARKETS AND FINANCIAL INSTRUMENTS**12 HOURS**

Types of Markets: Equity Debt, Derivatives Commodities; Meaning and features of private, Public companies; Types of investment avenues

UNIT II: PRIMARY MARKET**12 HOURS**

Initial Public Offer (IPO); Book Building through Online IPO; Eligibility to issue securities; Pricing of Issues; Fixed versus Book Building issues; allotment of Shares; Basis of Allotment; Private Placement

UNIT III: SECONDARY MARKET**12 HOURS**

Role and functions of Securities and Exchange Board of India (SEBI); Depositories; Stock exchanges Intermediaries in the Indian stock market Listing; Membership; Trading Clearing and settlement and risk management; Investor protection fund (IPF); and Do's and Don'ts for investors, Equity and debt investment

UNIT IV: DERIVATIVES**12 HOURS**

Types of derivatives; Commodity and commodity exchanges; Commodity versus financial derivatives

UNIT V: FINANCIAL STATEMENT ANALYSIS**12 HOURS**

Balance sheet; Profit & loss account; Stock market related ratios; Simple analysis before investing in the shares; understanding annual report; Director's report etc

TOTAL 60 HOURS

TEXT BOOKS:

1. HR Machiraju (2019) Indian Financial System New Delhi: Vikas Publishing
2. MY Khan, PK Jain (2017), Financial Management Bangalore: McGraw Hill Education
3. JoydeepSen, Abhishek Apte (2013), Fixed Income Markets in India Mumbai: Shroff Publishers & Distributors Pvt Ltd

REFERENCE BOOKS:

1. NSE Academy, NCFM Financial Markets: Beginners Module, Mumbai
2. M Y Khan, Indian Financial System, McGraw Hill Education, 2019

WEBSITE

1. www.nse.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	-	-	-	2	-	-	-	-	-	3	-	-	-	-	1	2
CO2	3	-	-	-	-	-	-	-	-	-	3	-	2	-	-	1	2
CO3	3	-	-	-	-	-	-	-	-	-	3	-	-	-	3	1	2
CO4	3	-	-	-	-	-	-	-	-	-	3	-	-	-	3	1	2
CO5	3	-	-	-	2	-	-	-	-	-	3	-	2	-	3	1	2
Average	3	-	-	-	2	-	-	-	-	-	3	-	2	-	3	1	2

S Strong; M Medium; L Low

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

Marks: Internal:100 External:00 Total: 100
End Semester Exam: 3Hours**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	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**8 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**8 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**8 HOURS**

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

TOTAL 24 HOURS**TEXT BOOKS:**

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,

REFERENCE BOOKS

1. Peter S Rose(2012)., *Commercial Bank Management*, New Delhi: McGraw Hill/Irwin,
2. David H Buzzell(2010)., *Principles of Banking*, USA: American Bankers Associations, 2010.
3. *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	PO11	PO12	PO13	PO14	PO15	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:0

Marks: Internal:100 External: - Total:100
End Semester Exam: - Hours**PREREQUISITE:**

- Not required

COURSE OBJECTIVES (CO):

- Explore career alternatives prior to graduation & integrate theory and practice
- Assess interest and abilities in their field of study
- Develop work habits and attitudes necessary for job success
- Develop communication, interpersonal and other critical skills in the job interview process
- Build a record of work experience

COURSE OUTCOMES (COS):

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

Cos	Course Outcomes	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

CO,PO,PSO Mapping

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

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

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

Marks: Internal:40 External:60 Total: 100
End Semester Exam: 3 Hours**பாடத்திட்டப் பொதுநோக்கம்**

- கற்றல் வழி சிந்தனைத் திறனையும், கருத்து வெளிப்பாட்டுத் திறனையும், மேம்படுத்துதல்.
- ஆய்வுநோக்கை மேம்படுத்துதல்.
- இலக்கியங்கள் உணர்த்தும் வாழ்வின் நுட்பமான பகுதிகளை உணர்த்துதல்.
- மனித மனத்தினைப் பக்குவப்படுத்துதலில் இலக்கியம் தரும் பங்கினை உணர்த்துதல்.
- வளர்ந்து வரும் சமூகத்தில் அறஉணர்வு, பண்பாடு போன்றவை குறித்து அறிவூட்டல். அரசுத் தேர்வுகளுக்கு மாணவர்களை ஆயத்தமாக்குதல்.

பாடத்திட்டப் பயன்விளைவு

- இந்தியக் குடியரிமைப்பணி முதலான போட்டித் தேர்வுகளில், விருப்பப்பாடமாக இடம்பெறுகின்ற, 'தமிழ் இலக்கிய வரலாறு' குறித்த முழுமையான அறிமுகம் பெற்றிருத்தல்.
- கல்வெட்டியல், ஓலைச்சுவடியியல் மற்றும் தொல்லியல் சார்ந்த ஆவணத் தேடலுக்குரிய ஆய்வு மனப்பான்மையுடன், இலக்கியங்களை அணுகுதல்.
- தமிழின் வளர்ச்சித்துறையாகிய, 'அறிவியல்தமிழ்', 'இணையதமிழ்' குறித்த பன்னோக்கு அணுகுமுறையிலான ஆய்வுச்சிந்தனை மேம்பாடு.
- வேலைவாய்ப்புக்குரிய சுயதிறன் மேம்பாட்டுடன், படைப்பாக்கத்திறன் மேம்பாடும் பெற்றிருத்தல்.
- சமுதாய மற்றும் வாழ்வியல் மதிப்புகளைப் பேணுவதற்குக் கருவியாக இலக்கியங்களை நாடுகின்ற மனப்பான்மை வளர்ச்சி, மொழிபெயர்ப்புத்துறை சார்ந்த வேலைவாய்ப்புத்திறன் பெற்றிருத்தல்

தமிழர் நாகரிகமும் பண்பாடும்**அலகு - 1 தமிழக வரலாறும் நாட்டுப்பிரிவுகளும் 10 மணிநேரம்**

பழைய கற்காலம் - புதிய கற்காலம் - இரும்புக்காலம் - சங்க கால மூவேந்தர் நாடுகள் (சேர, சோழ, பாண்டியர்கள்) - பிற்கால நாட்டுப் பிரிவுகள் - பல்லவர் நாடு - நடு நாடு - தொண்டை நாடு - கொங்கு நாடு.

அலகு - 2 தமிழகத்தில் கலை இலக்கிய வளர்ச்சி 10 மணிநேரம்

காலந்தோறும் தமிழகத்தில் கட்டடக்கலை - கோயிற்கலை - கூத்துக்கலை - நாடகக்கலை - ஆடற்கலை - சிற்பக்கலை - ஓவியக்கலை வளர்ச்சி - தமிழ் வளர்ச்சிக்குப் பக்தி இலக்கியங்களின் பங்களிப்பு.

அலகு - 3 தமிழர்களின் வணிகம் 08 மணிநேரம்

சங்க கால வணிகம் - தமிழர்களின் அயல்நாட்டு வணிகத்தொடர்பு - கிரேக்கர்கள் - ரோமர்கள் - மௌரியர்களுடனான வணிகத்தொடர்பு - நாணயங்கள்.

அலகு - 4 தமிழகப் பண்பாட்டில் கொங்கு நாடு 10 மணிநேரம்

கொங்கு நாடும் அதன் வரலாறும் - அரசர்கள் - சிற்றரசர்கள் - கொங்கு நாட்டு எல்லைகள் - கொங்கு நாடும் பிற பகுதிகளும் - புலவர்கள் - இலக்கியங்கள் - பண்பாட்டுச் சிறப்பு.

அரிக்கமேடு - ஆதிச்சநல்லூர் - அழகன்குளம் - கீழடி - கொடுமணல் - கொற்கை - மயிலாடும்பாறை - கங்கை கொண்ட சோழபுரம் போன்ற ஆய்வுக்களங்களில் கிடைத்துள்ள தமிழக வரலாற்றுக் குறிப்புகள்.

மொத்த மணிநேரம் - 48

TEXT BOOK T1 - கற்பகச் சோலை - தமிழ்ப்பாட நூல், இலக்கிய இன்பம், தமிழ்த்துறை

1. வெளியீடு, கற்பகம் உயர்கல்விக்கழகம், கோயம்புத்தூர் - 21.

பார்வை நூல்கள்

1. R1- தமிழக வரலாறு மக்களும் பண்பாடும் - கே.கே.பிள்ளை - உலகத் தமிழாராய்ச்சி

நிறுவனம், தரமணி, சென்னை.

2. R2 - தமிழக வரலாறும் பண்பாடும் - வே.தி.செல்வம் - மணிவாசகர் பதிப்பகம், பிராட்வே,

சென்னை.

இணையதளம்

W1-www.tvu.org.in

W2- www.maduraitamilproject.com

இதழ்கள்

J1- International Research Journal of Indian Literature, irjil.in

J2 - 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:4T: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	9 HOURS
UNIT-II	a) Poetry – Soorpanakha Ki Visheshatha b) Bahu Ki Vida c) Essay – Jabaan d) Translation– Lesson – 4 to 6	9 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	10 HOURS
UNIT-V	a) Kavya Ke Adhar Par Prakruthik Varnan b) Bheem Aur Raakshas c) Essay – Adhunik Nari d) Translation – Lesson –13 to 15	10 HOURS

TOTAL: 48 HOURS

REFERENCE BOOKS:

- I. Gupt,M.S, (2015). Panchavati, Bharathiya Sahithya Sangrah, Kanpur - 208002, Uttar Pradesh.
- II. Hindi Prachar Sabha D.B, (2007). Adarsh Akanki, T.Nagar, Chennai - 600017, TamilNadu.
- III. Ranjan,S.D,Dr., (1987). Nibandh Nishchay, Hindi Sahithya Sammelan Prayag, 12, Sammelan Marg, Illahabadh.
- IV. Hindi Prachar Sabha D.B, (2007). Anuvadh Abhyas - III, T.Nagar, Chennai - 600017, TamilNadu.

CO, PO, PSO Mapping

COs	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

COURSE OBJECTIVE(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 Able to write articles on their own and improve their creative skills.

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.	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. Vasudevan Nair M.T., (2015), *Perumthachan*, DC Books, Kerala
2. Sreekandan Nair C.N., (1974) *Saketham*, DC Books, Kerala

Reference Books:

1. Sankara Pillai G,(1980)Malayala Nataka Sahithya Charithram, Kerala Sahithya Akademi, Trissur
2. Vayala Vasudevan Pillai,(2005),Malayala Nataka Sahithya Charithram,Kerala Sahithya Akademi, Thrissur
3. SmarakaPrasanga Samithi C.J,(1963) Natakam OruPatanam, Koothattukulam Nataroopacharcha, Kattumadam Narayanan ,NBS, Kottayam
4. Vijayakrishanan,(2024)Chalachithrasameeksha, Kerala Bhasha Institute,Current Book, Kottayam
5. Jose-K.Manual ,(2004)Cinemayude Paadangal,VisakalanavumVeekshanavum ,D C Book,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	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:4T:0 P:0

Marks: Internal:40 External:60 Total: 100

End Semester Exam: 3 Hours

(LYRICS, GRAMMAR AND TRANSLATION)

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	10 HOURS
---------------	-----------------

Introduction to Sanskrit Lyrics and erotic literature.

UNIT – II	10 HOURS
------------------	-----------------

Devotional Literature, Important works

UNIT – III	10 HOURS
-------------------	-----------------

Krishnakarnamrita of Leelasuka (Second Section only)

UNIT – IV	09 HOURS
------------------	-----------------

Grammar – Past tense, Declension of personal pronouns

UNIT – V	09 HOURS
-----------------	-----------------

Simple sentences from Sanskrit Self Teacher

TOTAL 48 HOURS**Reference Books**

1. *Krishnakarnamrita of Leelasuka*, (2013). Sri Ramakrishna Mud, Mylapore, Chennai.

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

(COMPREHENSION, TRADUSION, REDUCTION, UNE ACT)**PREREQUISITE:**

- Not Required

COURSE OBJECTIVES (CO):

The objectives of this course are:

- To provide the students with an ability to build and enrich their communication skills.
- To help them think and write imaginatively and critically.
- To strengthen their professional skills.

COURSE OUTCOMES (COS):

At the end of this course, students will be able to

COs	Course Outcomes	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**9 HOURS**

- 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
- e) Culture – Paris et ses symboles

Unite – II**9 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
- e) Culture – Les fêtes et les traditions en France

Unite – III

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
- e) Culture – La longue histoire de la Francophonie

Unite – IV

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,
1. personne, aucun Les verbes dire, courir et mourir
- d) Lexique – Les accidents, Les catastrophes naturelles
- e) Culture – Les jeux de la Francophonie .

Unite – V

10 HOURS

- a) Leçon – Bon voyage ! La météo
- b) Communication – Exprimer son opinion, Parler de la météo
- c) Grammaire – Les pronoms démonstratifs neutres
1. 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

TOTAL 48 HOURS

REFERENCE BOOKS:

1. Marie-Noëlle Cocton, December 2015, *Saison 1: méthode de français*, Volume 89, Number 2, [Johns Hopkins University Press](http://www.jhu.edu/), Dider Paris.
2. Marion Alcaraz, Dorothée Escoufier, Camille Gomy, Mathilde Landier, Francine Quémener, Delphine Ripaud, 2014, *Saison 1- Cahier d'activites*, Dider, Paris.
3. Anne Akvüz, Bernadette Bazelle-Shahmaei, Joëlle Bonenfant, Marie-Françoise Gliemann, 24 Aug. 2005, *LES 500 EXERCICES DE GRAMMAIRE AVEC CORRIGÉS*, Hachette Francais Langue Etrangere, Paris.

4. Anne Akyüz, Bernadette Bazelle- Shahmael, Joëlle Bonenfant, Marie- Françoise Gliemenn, Les *exercices de grammaire*, Hachette FLE, Paris, 2005
5. Christian Beaulieu, 2011, *Je Pratique Exercice De Grammaire A1*, French, Goyal Publishers, Paris.
6. Nathalie Bié, Philippe Santinan, April 2014, *Grammaire pour adolescents 250 exercices*, French, CLE INTERNATIONAL, Paris.

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	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

PREREQUISITE:

- Not required

COURSE OBJECTIVES(CO):

- To provide the students with an ability to build and enrich their communication skills.
- To help them think and write imaginatively and critically.
- To strengthen their professional skills.

Course Outcomes (COs):

At the end of this course, students will be able to

COs	Course Outcomes	Blooms Level
CO1	Make the students proficient communicators in English.	Apply
CO2	Develop learners' ability to understand English.	Understand
CO3	Understand the nuances of listening, speaking and reading English.	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 English better.	Apply

UNIT – I**8 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-Letter Formats-E-mail
Writing-Writing MoU- DictoComposition--Term Paper-Book Reviews

UNIT - IV**7 HOURS**

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

UNIT V**7 HOURS**

Punctuation Marks- Figures of Speech

TOTAL 36 HOURS

TEXT BOOK:

1. Board of Editors (2024). *Proficiency in Communication II*, Karpagam Academy of Higher Education

REFERENCE BOOKS:

1. Martin's, St (2013). *Oxford Handbook of Writing: Handbook of Writing*. Cambridge University Press.
2. Wren & Martin, (2008). *High School English Grammar & Composition*, S.Chand & Company Ltd, Board of Editors.
3. Krashen, Stephen D (1982). *Principles and Practice in Second Language Acquisition*. New York:Pergamon Press.

WEB SITES:

1. <https://www.skillsbuilder.org/blog/top-5-speaking-skills-for-success-in-interviews>
<https://www.coursera.org/articles/interviewing-skills>

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:5 T:1 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

- Basic knowledge of accounting principles and financial management.

COURSE OBJECTIVES(CO):

- Understand cost concepts, types of costing methods, and bookkeeping for cost accounting, and to learn tools and techniques to calculate cost and solve problems.
- Select and critically apply the best methods of costing based on the situation.
- Communicate cost accounting concepts, methods, and bookkeeping procedures both orally and in writing, and to prepare a Reconciliation Statement of Cost and Financial Accounts.

COURSE OUTCOMES(COS):

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

Cos	Course Outcomes	Blooms Level
CO1	Understand the cost concepts, types of costing methods and book keeping for cost accounting	Understand
CO2	Apply tools and techniques to solve the problems	Apply
CO3	Select the best methods of costing by critically analyzing and apply the same to appropriate situation	Analyze
CO4	Communicate orally and in written the cost concepts	Understand
CO5	Prepare a Reconciliation Statement of Cost and Financial Accounts	Evaluate

UNIT I: INTRODUCTION**14 HOURS**

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: ELEMENTS OF COST: MATERIAL AND LABOR**14 HOURS**

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: ELEMENTS OF COST: OVERHEADS**15 HOURS**

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**15 HOURS**

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**15 HOURS**

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

TOTAL 72 HOURS**Note:** Distribution of marks 20% theory and 80% problems**TEXT BOOKS:**

1. MN Arora & Priyanka Katyal (2017), Cost Accounting, Vikas Publishing, New Delhi
2. Minaxi Rachchh & Gunvantrai Rachchh (2015), Cost Accounting Methods and Techniques, Vikas Publishing, New Delhi
3. CA Sachin Gupta (2020), Cost and Management Accounting, Taxmann Publication Pvt Limited, Chennai
4. Charles T Horngren, Srikant M Datar, Madhav VRajan (2014), Cost Accounting – A Managerial Emphasis, 15th Edition, Pearson Education, New Delhi

REFERENCE BOOKS:

1. SP Jain and KL Narang, Simmi Agrawal, (2016), Cost Accounting Principles and Practice, 25th Edition, Kalyani Publishers, New Delhi
2. MN Arora, (2013) Cost Accounting – Principles and Practice, 12th Edition, Vikas Publishing, New Delhi

WEBSITE:

1. https://swayamgovin/nd1_noc20_mg53/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	-	3	-	-	-	-	-	-	-	1	-	2	-	3	1	2
CO2	3	-	3	3	-	-	-	-	-	3	-	-	-	-	3	1	2
CO3	3	-	3	3	2	-	-	-	-	3	-	-	2	-	3	1	2
CO4	3	-	3	3	2	-	-	-	-	3	-	-	-	-	3	1	2
CO5	3	-	3	3	2	-	-	-	-	3	-	-	2	-	3	2	1
Average	3	-	3	3	2	-	-	-	-	3	1	-	2	-	3	1.2	1.8

3: Strong; 2: Medium; 1: Low, “-“ 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 finance and investment principles.

COURSE OBJECTIVES(CO):

- Have a practical orientation towards the principles of investment, pricing, and valuation, and to learn the basics of portfolio management.
- Understand and analyze various methodologies of financial analysis, and to value and forecast securities performance using different models.
- Understand the basics of industry analysis, and to exhibit the capacity to construct and arrive at optimal portfolios.

COURSE OUTCOMES(COS):

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

Cos	Course Outcomes	Blooms Level
CO1	Learn basics of investment decision	Understand
CO2	Understand the market efficiency	Understand
CO3	Analyze and apply models to securities performance and forecasting	Analyze
CO4	Understand the valuation methods	Understand
CO5	Construct optimal portfolios and evaluate them using models	Create

UNIT I: INVESTMENT DECISION**9 HOURS**

Objectives of Investment Decisions Introduction; Types of Investors; Constraints; Goals of Investors Primary and Secondary Markets; Trading in Secondary Markets Money Market; Repos and Reverse Repos; Bond Market; Common Stocks Fixed Income Securities

UNIT II: CAPITAL MARKET EFFICIENCY**9 HOURS**

Introduction; Market Efficiency; Departures from the EMH Analysis of Financial Statements; Financial Ratios (Return, Operating and Profitability Ratios); Valuation of Common Stocks; Technical Analysis"

UNIT III: MODERN PORTFOLIO THEORY**10 HOURS**

Introduction; Diversification and Portfolio Risks; Equilibrium Models the CAPM Multifactor Models; The Arbitrage Pricing Theory

UNIT IV: VALUATION OF DERIVATIVES**10 HOURS**

Introduction; Forwards and Futures; Call and Pu Pricing; Black Scholes Formula

UNIT V: INVESTMENT MANAGEMENT**10 HOURS**

Introduction; Investment Companies; Active vs Passive Portfolio Management; Cost of Management – Entry/Exit Loads Fees; Net Asset Value; Classification of Funds; Other investment companies; Performance assessment of managed funds

TOTAL 48 HOURS**REFERENCE BOOKS:**

1. NSE Academy, NCFM – Investment Analysis and Portfolio Management Module, Mumbai
2. Investment Analysis and Portfolio Management, by Prasanna Chandra, McGraw Hill Education; Fifth edition
3. Investment Management: Security Analysis and Portfolio Management, by Bhalla VK, S Chand & Company

WEBSITES:

1. www.nseindia.com
2. www.investopedia.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	-	-	-	2	-	-	-	-	-	-	-	-	-	-	1	2
CO2	3	-	1	-		-	-	-	-	-	-	-	-	-	-	1	2
CO3	3	-	-	-	2	-	-	-	-	-	2	-	-	-	-	1	2
CO4	3	-	-	-		-	-	-	-	-	2	-	-	-	2	1	2
CO5	3	-	-	-	2	-	-	-	-	-	2	-	-	-	2	1	2
Average	3	-	1	-	2	-	-	-	-	-	2	-	-	-	2	1	2

Strong 3; Medium 2; Low 1, No correlation:” -“

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

Marks: Internal:40 External:60 Total: 100
End Semester Exam: 3Hours**PREREQUISITE:**

- Students should be familiar with various types of securities like stocks, bonds, derivatives, money market instruments such as Treasury bills and commercial paper, mortgage-backed securities and high-yield bonds.

COURSE OBJECTIVES(CO):

- Understand the overview of the investment company industry and apply relevant funding strategies.
- Analyze and interpret financial statements and operations of investment companies.
- Evaluate the effectiveness of tools used in investment companies and analyze financial statement reports.

COURSE OUTCOMES(COs):

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

COs	Course Outcomes	Blooms Level
CO1	Understand Overview of Investment Company Industry.	Understand
CO2	Analyze and interpret the financial statements Operations.	Analyze
CO3	Evaluate the results of tools applied and interpret the result.	Evaluate
CO4	Apply the funding strategies applicable to Investment companies.	Apply
CO5	Analyse the report of financial statement	Analyse

UNIT I OVERVIEW OF INVESTMENT COMPANY INDUSTRY 12 HOURS

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 – 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 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 60 HOURS

TEXT BOOK

1. Sanjay Dhamija, —Financial Reporting and Analysis, SULTAN CHAND & SONS Educational Publishers New Delhi, First Edition: 2020.

REFERENCE BOOKS:

1. Deepa Agarwal (2018), The Law & Practice of Financial Reporting and Auditor’s Responsibilities under Companies Act, 2013,1st edition, Bloomsbury Professional India, New Delhi
2. Deepa Agarwal (2017), Financial Reporting and Auditors Responsibility, 2nd edition, Bloomsbury Professional India, New Delhi.
3. M.S Narasimhan (2016), Financial Statement Analysis, 1st Edition, Cengage Learning India Private Limited, New Delhi.
4. Lawrence Revsine, Daniel Collins, Bruce Johnson, Fred Mittelstaedt, Leonard Soffer (2015), Financial Reporting and Analysis, 6th Edition, McGraw-Hill Education, New Delhi.
5. 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.
9. Charles H. Gibson (2013), Financial Statement Analysis, 13th edition, Cengage Learning India Private Limited, New Delhi.

PO,CO,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	1	1
CO2	3	-	3	3	3	-	-	-	-	3	-	-	-	-	3	1	1
CO3	3	-	-	3	3	-	-	-	-	3	-	-	-	-	3	1	1
CO4	3	-	3	3	3	-	-	-	-	3	2	-	2	-	3	1	1
CO5	3	-	3	3	3	-	-	-	-	3	-	-	2	-	3	1	1
Average	3	-	3	3	3	-	-	-	-	3	2	-	2	-	3	1	1

1 - Low, - 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

PREREQUISITES:

- Basic knowledge of finance and technology concepts

COURSE OBJECTIVES(CO):

- L core Fintech concepts, including blockchain and data analytics, and understand recent developments in the financial technology space.
- Study various analytics tools used in the financial services industry and understand the appropriate regulatory and public policy responses to Fintech.
- Explore correspondent banking relationships related to Fintech and learn the basic applications of blockchain.

COURSE OUTCOMES(COS):

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

Cos	Course Outcomes	Blooms Level
CO1	Understand the major Fintech applications	Understand
CO2	Understand global Fintech landscape and describe the role of banks and financial service providers in shaping and responding to innovation and disruption	Understand
CO3	Remember the basics of data analysis	Remember
CO4	Apply the concepts of block chain	Apply
CO5	Evaluate the applications of machine learning	Evaluate

UNIT I: INTRODUCTION TO FINTECH**7 HOURS**

Overview of Fintech Disruptions in the area of Payments, Wealth Management, Investments, Lending, Reg Tech and Insurance Tech Fintech Hubs the History of Fintech Block chain, Wearable's and Other Emerging Technologies

UNIT II: BLOCK CHAIN AND CRYPTO CURRENCY**7 HOURS**

History of Ledger and Accounting practices, Decentralized Ledger concepts and Business rules, Basics of block chain technology: Block chain Technology Stack Blocks Mining Consensus Distributed Databases Ethereum Smart Con Contracts Security Crypto Currency: Evolution of Crypto currencies A brief on ICO's Block chain Frameworks Block chain Implementation: Block chain as a Financial

System Block chain for Provenance Tracking Block chain for Inter organisational Record / Asset keeping
Block chain for Multi party Aggregation

UNIT III: ANALYTICS

7 HOURS

An Introduction to Data Analytics Role of Analytics in the Modern World Types of Analytics: Descriptive, Diagnostic, Predictive, Prescriptive Data Analytics and Ethical Issues, Basics of Statistical Analysis: Descriptive and Inferential Statistics Mean/Median/Mode Standard Deviation/Covariance/Correlation, Basics of Python for Data Analysis: Installation of Anaconda Data Types and Functions Data Manipulation and Preparation, Data Visualization in Python, Sentiment Analysis

UNIT IV: INTRODUCTION TO MACHINE LEARNING

7 HOURS

An Introduction to Machine Learning Evolution of ML Trends in ML Application of Machine Learning Best Practices of Machine Learning Machine Learning in future Machine Learning Algorithms: Classification Regression Forecasting Clustering

UNIT V: NEURAL NETWORKS

8 HOURS

Neural Networks: Perception Learning Back Propagation Learning Object Recognition, Deep Learning – Keras: Setting up KERAS Creating a Neural Network Training Models and Monitoring Artificial Neural Networks

TOTAL 36 HOURS

TEXT BOOKS:

1. Parag Y Arjunwadkar (2018), FinTech: The Technology Driving Disruption in the Financial Services Industry, Auerbach Publications
2. Richard Hayen, FinTech: The Impact and Influence of Financial Technology on Banking and the Finance Industry, Create space Independent Pub

REFERENCE BOOKS:

1. Sanjay Phadke (2020), Fintech Future: The Digital DNA of Finance, SAGE Publications
2. Seth Swanson, FinTech: For Beginners! Understanding & Utilizing The Power of Financial Technology, Createspace Independent Pub
3. Susanne Chishti and Janos Barberis (2016), The FINTECH Book: The Financial Technology Handbook for Investors, Entrepreneurs and Visionaries, Wiley

WEBSITES:

1. www.droptica.com
2. www.webflow.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	2
CO2	3	-	-	-	2	-	-	-	-	-	-	3	-	-	2	1	2
CO3	3	-	-	-	-	-	-	-	1	-	1	3	-	-	2	1	2
CO4	3	-	-	-	2	-	-	-	-	-	-	3	-	-	-	1	2
CO5	3	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	2
Average	3	-	-	-	2	-	-	-	1	1	1	3	-	-	2	1	2

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation, "--" 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 knowledge of financial markets and trading principles

COURSE OBJECTIVE(CO):

- Understand the basics of technical analysis and learn various technical indicators used in trading.
- Grasp different trading strategies and the behavior associated with trading.
- Understand and apply risk management techniques used in trading.

COURSE OUTCOMES(COS):

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

Cos	Course Outcomes	Blooms Level
CO1	Analyze Charts	Analyze
CO2	Study various patterns	Evaluate
CO3	Know various Indicators and Oscillators	Understand
CO4	Obtain knowledge related to various trading strategies and theories	Understand
CO5	Understand the importance of risk management	Understand

EXERCISES

- | | |
|-----------------------------------|-----------------|
| 1. The charts | 6 HOURS |
| 2. Candlestick analysis | 10 HOURS |
| a. One candle pattern | |
| b. Two candle patterns | |
| c. Three candle patterns | |
| 3. Pattern Study | 8 HOURS |
| a. Support and resistance lines | |
| b. Head and shoulders, | |
| c. Double top and double bottom | |
| d. Gap theory | |
| 4. Major Indicators & Oscillators | 8 HOURS |

- a. Simple moving average
- b. Exponential moving average
- c. moving average price crossover
- d. multiple moving average
- e. Oscillators
 - i. Relative strength index
 - ii. Moving average, convergence/divergence(MACD),

5. Dow Theory

8 HOURS

6. Elliot Wave Theory

8 HOURS

Lab: Nsmart – trading simulation lab

TOTAL 48 HOURS

TEXT BOOKS:

1. Robert D Edwards (2009), John Magee, Technical Analysis of Stock Trends, New Delhi: Vision Books
2. John J Murphy (1999), Study Guide to Technical Analysis of the Financial Markets, Chennai: Prentice Hall Press

REFERENCE BOOKS:

1. NCFM, NCFM Technical Analysis Module, Mumbai: NSE
2. CNBC (2013), *Technical Analysis Trading: Making Money with Charts*, CNBC
3. Thomas A Meyers (2017), *The Technical Analysis Course, Fourth Edition: Learn How to Forecast and Time the Market*, Bangalore: McGraw Hill Education

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	2
CO2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	2
CO4	3	-	-	-	2	-	-	-	-	-	-	1	-	-	3	1	2
CO5	3	-	-	-	-	-	-	-	1	-	-	-	-	-	3	1	2
Average	3	-	-	-	2	-	-	-	1	-	-	1	-	-	3	1	2

1 - Low, 2 - Medium, 3 - High, ‘-’ - No Correlation, ” -“ No correlation

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

Marks: Internal:100 External:00 Total: 100
End Semester Exam: 3Hours**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	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 Kumaruppa,(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://estudentdavedanta.net/The-Life-Of-Vivekananda-And-The-Universal-Gospel.pdf>
4. Web resources from NDL Library,
5. E-content from open-source libraries

CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
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	-	-	2.4	2.5	1.3

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 cost accounting principles

COURSE OBJECTIVES(CO):

- Understand the functions and objectives of management accounting, and to impart the rules for financial statement analysis.
- Learn the procedure for calculating standard costing and variance analysis, and to compute problems on marginal costing and budgeting.
- Examine and analyze the financial statements of a company.

COURSE OUTCOMES(COs):

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

Cos	Course Outcomes	Blooms Level
CO1	Understand the functions and objectives of management accounting	Understand
CO2	Impart the rules for computation of financial statement analysis	Understand
CO3	Inculcate the procedure for calculating standard costing and variance analysis	Evaluate
CO4	Compute problems on marginal costing& budgeting	Evaluate
CO5	Examine and analysis the financial statement of a company	Analyze

UNIT I: MANAGEMENT ACCOUNTING**16 HOURS**

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**16 HOURS**

Horizontal and Vertical Analysis Ratio Analysis: Meaning – Advantages – Limitations Classification of ratios Fund Flow Statement: Meaning – Uses – Limitations Sources and uses of funds Cash Flow Statement: Meaning – Uses – Limitations Sources and uses of cash AS3 Standard format

UNIT III: STANDARD COSTING**16 HOURS**

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 18 HOURS

Absorption versus Variable Costing: Distinctive Features and Income Determination Cost Volume Profit Analysis, Profit / Volume ratio 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 18 HOURS

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 84 HOURS

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

TEXT BOOKS:

1. Alnoor Bhimani, Charles T Horngren, Srikant M Datar, Madhav Rajan (2015), Management and Cost Accounting, 6th Edition, Pearson Education, New Delhi
2. Narasimhan (2017), Management Accounting, Cengage Learning Publishing, New Delhi
3. The Institute of Company Secretaries of India (2018), Corporate and Management Accounting, M P Printers

REFERENCE BOOKS:

1. MY Khan, PK 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

WEBSITE:

1. https://swayamgovin/nd1_noc20_mg65/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	-	3	3	1	-	-	-	-	-	-	-	-	-	-	1	2
CO2	3	-	3	3	-	-	-	-	-	1	-	-	-	-	2	2	1
CO3	3	-	3	3	-	1	-	-	2	-	-	-	-	-	2	1	2
CO4	3	-	3	3	-	-	-	-	2	-	-	-	-	-	-	2	1
CO5	3	-	3	3	-	-	1	-	2	-	-	-	-	-	2	1	2
Average	3	-	3	3	1	1	1	-	2	1	-	-	-	-	2	1.4	1.6

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:

- Basic understanding of financial markets and instruments.

COURSE OBJECTIVES(CO):

- Learn about various derivative products and understand the differences between forward and futures contracts.
- Gain knowledge of trading strategies using futures and options on stocks and stock indices, and to understand the trading, clearing, and settlement system.
- Comprehend the tax system for derivatives.

COURSE OUTCOMES(COS):

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

COs	Course Outcomes	Blooms Level
CO1	Analysis the derivatives markets	Analyze
CO2	Remember the various types of Indices	Remember
CO3	Apply the concepts of futures, forwards and options	Apply
CO4	Evaluate the option trading strategies for managing risk	Evaluate
CO5	Understand the nuances of trading system	Understand

UNIT I; BASICS OF DERIVATIVES & UNDERSTANDING INDEX**12 HOURS**

Basics of Derivatives Evolution Indian Derivatives Market Market participants – Types Significance Various risk faced by the participants Introduction to Index Significance Types – Attributes Index management Major Indices in India, Applications of Index

UNIT II: INTRODUCTION TO FORWARDS, FUTURES & OPTIONS**12 HOURS**

Payoff Charts Futures pricing Cash and carry / Non arbitrage model Expectancy model of futures pricing Concept of convergence of cash and futures prices Basic differences in Commodity Equity and Index Futures Uses of futures Role of different players Use of futures contract as an effective instrument for managing risk, Strategies for hedging, speculation and arbitrage

UNIT III: OPTION TRADING STRATEGIES & SYSTEMS**12 HOURS**

Option spreads Payoff charts Straddle Strangle Covered Call Protective Put Collar Butterfly spread Trading Systems, Corporate hierarchy, Order types and conditions, Selection criteria of Stock for trading and Index for trading Adjustments for Corporate Actions Position Limits Daily newspapers to track

UNIT IV: CLEARING AND SETTLEMENT SYSTEM & LEGAL AND REGULATORY ENVIRONMENT**12 HOURS**

Clearing Members Role and Eligibility norms Mechanism and computation of open positions Settlement of stock and index margining and mark to market under SPAN, Risk Management features and position limits Rules and regulations Recommendations of the LC Gupta Committee, Recommendations of the J R Verma Committee

UNIT V: TAXATION & SALES PRACTICES AND INVESTORS PROTECTION SERVICES**12 HOURS**

Accounting of contracts, Taxation of securities Risk profile Importance of Sales process, Importance of KYC, Documents to trade in Derivatives contract, Best practices in Derivatives sales, Investors Grievance Mechanism

TOTAL 60 HOURS**TEXT BOOKS:**

1. Franklin R Edwards (1992) Cindy WMa Futures & Options Bangalore: McGraw Hill
2. Jagadish R Raiyani (2011) Financial Derivatives in India, Chennai: New Century Publication
3. Bhushan Vijay Kumar Jadhav (2018), Option Trading Strategies: Independently Published

REFERENCE BOOKS:

1. NISM (2019), NISM Series VIIIA Equity Derivative Module, Delhi: Taxman
2. NCFM – Derivatives Market – Dealers Module, by NSE Academy, Mumbai
3. Robert Baker (2010), “The Trade Lifecycle: Behind the Scenes of the Trading Process New Delhi, Wiley India

WEBSITES:

1. www.isdi.org/swap.derivateies.
2. www.nseindia.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	-	-	-	2	-	-	-	-	-	1	-	-	-	2	1	2
CO2	3	-	-	-	2	-	-	-	1	-	-	-	-	-	-	1	2
CO3	3	-	2	-	-	-	-	-	-	-	-	-	-	-	2	1	2
CO4	3	-	2	1	-	-	-	-	-	-	-	-	-	-	-	1	2
CO5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2
Average	3	-	2	1	2	-	-	-	1	-	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 knowledge of tax principles and accounting.

COURSE OBJECTIVES(CO):

- Understand the basic concepts of the Income Tax Act, 1961, including the computation of salary and house property income.
- Learn the provisions for calculating income from other sources and be familiar with the laws related to total income and tax liability.
- Assess the total income and tax liability of individuals effectively.

COURSE OUTCOMES(CSO):

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

Cos	Course Outcomes	Blooms Level
CO1	Understand the basic Concept of IncomeTaxAct,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	Familiar with the laws pertaining to computation of total Income and tax liability	Apply
CO5	Assess the total income and tax liability of individual	Evaluate

UNIT - I BASIC CONCEPTS**12 HOURS**

An Overview of Income Tax Act, 1961 Introduction Important Definitions Income Agricultural Income Assessee Previous Year Assessment Year 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**12 HOURS**

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 – PROFITS AND GAINS FROM BUSINESS**AND PROFESSION****12 HOURS**

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 SET OFF AND/OR CARRY FORWARD OF LOSSES **12 HOURS**

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 **12 HOURS**

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

TOTAL 60 HOURS

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

TEXT BOOKS:

1. CA Atin Harbhajanka (Agarwal) (2018), Income Tax Law and Practice, 2nd Edition Bharat Law House Pvt Ltd, New Delhi
2. DrVinod KSinghania, Dr Kapil Singhania (2018), Direct Taxes Law and Practice, Taxmann Publication Pvt Limited, New Delhi
3. Monica Singhania Vinod KSinghania (2020), Students Guide to Income Tax including GST, 61st Edition, Taxmann Publication Pvt Limited, New Delhi
4. Direct Tax Law and Practice (2018), The Institute of Company Secretaries of India, MP Printers

REFERENCE BOOKS:

1. GaurandNarang(2021),IncomeTaxLawandPractice,51stEdition,Kalyani Publishers, Chennai
2. Dr HC Malhotra, Dr S P Goyal (2021), Income Tax Law and Practice, 61th Edition, Sathya Bawan Publication, New Delhi
3. DrGirishAhuja,DrRaviGupta(2018),DirectTaxesLawandPractices,10thEdition Wolters Kluwer India Pvt Ltd, New Delhi

WEBSITE:

1. [https://www.coursera.org/learn/international taxation](https://www.coursera.org/learn/international-taxation)

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	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:5 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

PREREQUISITE:

- Basic understanding of statistics and data analysis techniques.

COURSE OBJECTIVES(CO):

- Master advanced Excel functions and add-ins for data analysis and business decision-making.
- Develop proficiency in using analytics software for solving complex business problems.
- Apply statistical methods to interpret and visualize data patterns and relationships.

COURSE OUTCOMES(COs):

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

COs	Course Outcomes	Blooms Level
CO1	Identify and describe complex business problems in terms of analytical models	Understand
CO2	Study data models and Business Analytics Cycle	Understand
CO3	Implement analytical models in the software tools	Create
CO4	Interpret the results of business analytics and their implications to business Administrations	Evaluate
CO5	Make data driven decisions to optimize the business process and address issues in business administrations	Apply

UNIT - I INTRODUCTION TO BUSINESS ANALYTICS**11 HOURS**

The Paradigm Shift From Data to Insight From Business Intelligence to Business Analytics Levels of "Intelligence" Overview of the Business Analytics Model Deployment of the BA Model Strategy and BA: Four Scenarios Business Analytics Value Chain Big Data Data Types Company Data Individual Consumer Data Sensor Data Syndicated Data Structured, Poorly Structured, and Unstructured Data Data Integration Data Quality Data Security Data Privacy Data Governance

UNIT II DEVELOPMENT AND DEPLOYMENT OF INFORMATION**12 HOURS**

The Business Analytics Cycle Analytic Tools and Methods Implementation Requirements for Integrating Business Analytics Business Analytics at the Analytical Level Data, Information, and Knowledge Descriptive Analytics Predictive Analytics Prescriptive Analytics Data Mining Predictive Analytics Forecasting Optimization Simulation Network Analytics Text Analytics Data Preparation Data Normalization Exploratory Data Analysis

UNIT III: ANALYTICS METHODOLOGY AND TOOLS**12 HOURS**

Business Analytics Process (BAP) Business Processes and Analytics Overview of Process Families Types of Data Population and Sample Data Quantitative and Categorical Data Cross Sectional and

Time Series Data Sources of Data Modifying Data in Excel Sorting and Filtering Data in Excel Conditional Formatting of Data in Excel Measures of Location Variability Measures of Association Between Two Variables Data Visualization Tables Charts Advanced Data Visualization Data Dashboards

UNIT IV: BUSINESS ANALYTICS

12 HOURS

Two Ways of Knowledge Discovery Supervised Learning Unsupervised Learning Value Prediction Hypothesis Driven Methods Linear Regression Using Regression Analysis for Forecasting Customer Analytics: "Know Thy Customer" Targeting Customers Project Suggestions Social Analytics: Customer Satisfaction Mining Online Buzz Project Suggestions Operational Analytics: Inventory Management Marketing Optimization Predictive Maintenance Human Resources & Workforce Management

UNIT V: USE CASES AND BUSINESS ANALYTICS APPLICATIONS

13 HOURS

Basic Classification Use Cases for Credit Approval and in Education: k Nearest Neighbor Classification Naive Bayes Classification Marketing, Cross Selling, and Recommender System Use Cases: Affinity Based Marketing Constructing Recommender Systems Recommender System for Selection of the Right Study Program for Higher Education Students Clustering in Medical and Educational Domains: Grouping Higher Education Students Spam Detection, Language Detection, and Customer Feedback Analysis Detecting Text Message Spam

TOTAL 60 HOURS

TEXT BOOKS:

1. RapidMiner: Data Mining Use Cases and Business Analytics Applications (2015) United States: CRC Press
2. Bag, D (2016) Business Analytics United Kingdom: Taylor & Francis
3. Koole, G (2019) An Introduction to Business Analytics Netherlands: MG Books

REFERENCE BOOKS:

1. Business Analytics: The Science of Data Driven Decision Making, by U Dinesh Kumar, Wiley
2. Camm, J, Cochran, J, Fry, M, Ohlmann, J, & Anderson, D (2014) Essentials of Business Analytics (Book Only) Nelson Education
3. Hardoon, D R, Shmueli, G (2013) Getting Started with Business Analytics: Insightful Decision Making United Kingdom: Taylor & Francis
4. Das, S (2013) Computational Business Analytics United Kingdom: Taylor & Francis
5. Lin, N (2014) Applied Business Analytics: Integrating Business Process, Big Data, and Advanced Analytics United States: Pearson Education
6. Laursen, G H N, Thorlund, J (2010) Business Analytics for Managers: Taking Business Intelligence Beyond Reporting United Kingdom: Wiley

WEBSITES:

1. https://wwwmanagementstudyguidecom/business_analyticshtm
2. https://onlinehbsedu/blog/post/importance_of_business_analytics
3. https://learn2com/business_analytics

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	2
CO2	3	-	-	-	2	-	-	-	-	-	3	-	-	-	-	1	2
CO3	3	-	-	-	-	-	-	-	-	-	3	-	-	-	-	1	2
CO4	3	-	-	-	2	-	-	-	2	-	3	-	-	-	-	1	2
CO5	3	-	2	-	-	-	-	-	2	-	-	-	-	-	1	1	2
Average	3	-	2	-	2	-	-	-	2	-	3	-	1	-	1	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: 3Hours

PREREQUISITE:

- Corporate law, business entities, basic legal principles, business structures, and the regulatory environment governing companies.

COURSE OBJECTIVES (CO):

- Understand the laws related to the constitution, structure, and management team of a company and be familiar with the key personnel in company management.
- Acquire knowledge on the procedures for company meetings and agendas, as well as the standards and laws for corporate governance.
- Learn the online registration and filing process of documents.

COURSE OUTCOMES(COs):

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

COs	Course Outcomes	Blooms Level
CO1	Understand the Concept of laws related to constitution of company, structure, management team.	Understand
CO2	Familiar the key personnel of company management	Understand
CO3	Acquire knowledge on procedure for company meeting and agenda	Apply
CO4	Know the online registration and online filing process of documents	Apply
CO5	Familiar with the standards and laws pertaining to the corporate and utilize for lifelong practical application	Apply

UNIT - I COMPANY**15 HOURS**

Meaning, Definition – Characteristics – Types of companies including One Person Company –Private company Vs Public Company- Privilege of a Private Company – Incorporation of Company- Promoters- Legal position of Promoters – Liabilities of Promoters – Remuneration to Promoters –Capital Subscription - Commencement of Business..

UNIT - II MEMORANDUM AND ARTICLES**15 HOURS**

Memorandum of Association – Meaning – Purpose –Contents – Alteration of Memorandum – Doctrine of Ultravires. Articles of Association– Meaning –Contents – Alteration of Articles –Doctrine of Indoor Management – Exceptions to Doctrine of Indoor Management.

UNIT - III PROSPECTUS AND DIRECTORS**15 HOURS**

Prospectus - Definition – Types of Prospectus – Contents – Statement in Lieu of Prospectus - Misstatements in Prospectus. Board of Directors- Appointment - Qualification - Powers-Duties –Liabilities of Directors - Legal provisions relating to Managing Director, Manager, whole time Director and Key Managerial Personnel.

UNIT - IV MEETING**15 HOURS**

Meeting – Importance of Meetings – Requisites of a valid Meeting – Kinds of Company Meetings – Board of Directors Meeting – Shareholders Meeting – Annual General Meeting – Extraordinary General Meeting – Agenda - Quorum – Minutes –Notice.

UNIT - V WINDING UP OF COMPANY**15 HOURS**

Meaning - Modes of Winding up – Voluntary winding up – Compulsory winding up – Members’ Voluntary winding up – Creditors Voluntary winding up – Difference between Members’ Voluntary winding up – Creditors Voluntary winding up. Liquidation-Meaning of Liquidation - Liquidator – Powers and Duties -Duties of Liquidator - Insolvency and Bankruptcy code 2016 - National Company Law Tribunal (NCLT).

TOTAL: 60 HOURS**TEXT BOOKS:**

1. Milind Kasodekar, Shilpa Dixit, Amogh Diwan (2019), Companies Law Procedures with Compliances and Checklists, 4th Edition, Bloomsbury Professional India, New Delhi.
2. Dr. G.K. Kapoor & Sanjay Dhamija (2017), Company Law and Practice - A Comprehensive Text Book on Companies Act 2013, 22nd Edition, Taxmann Publication, New Delhi.

REFERENCE BOOKS:

1. Dr. G.K. Kapoor(2018), Company Law and Practice - A Comprehensive Text Book on Companies Act 2013, 23rd Edition, Taxmann Publication, New Delhi.
2. M.C Bhandari (2018), Guide to Company Law Procedures, 24th Edition, LexisNexis, New Delhi
3. Sangeet Kedia (2018), Company Law, Pooja Law Publishing Company, New Delhi.
4. The Institute of Company Secretaries of India (2018), Company Law, M P Printer

CO, PO, PSO Mapping

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

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:

- Basic knowledge of database concepts and SQL.

COURSE OBJECTIVES(CO):

- Understand the importance of database security and data integrity maintenance.
- Learn and apply basic SQL commands and advanced SQL techniques.
- Use SQL for database administration, including single and multiple table commands.

COURSE OUTCOMES(COs):

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

COs	Course Outcomes	Blooms Level
CO1	Learn and apply the Structured Query Language (SQL) for database definition and manipulation	Apply
CO2	To remember the basic SQL commands	Remember
CO3	Utilize a database modeling technique and apply views to break down problems and enhance security	Apply
CO4	Learn and implement the principles and concepts of information integrity, security and confidentiality	Apply
CO5	Apply ethical computing concepts and practices to database design and implementation	Apply

UNIT - I INTRODUCTION TO DATABASES AND SQL**9 HOURS**

Introduction to Databases Nonrelational Database Systems Relational Databases Terms and definitions Database Concepts Entities, Attributes, and Relationships SQL Language SQL Statement Classes MySQL SQL Statements The Different Execution Types SQL's Environment – Schemas Name Database Objects Generate a Schema Creating a New Database Functional Dependence Primary Key Database Design Method Database Design Requirements Normalization First Normal Form Second Normal Form Third Normal Form Diagrams for Database Design

UNIT - II BASIC SQL COMMANDS**9 HOURS**

Creating a Table Correcting Errors in SQL Commands Dropping a Table Using Data Types Using Nulls Adding Rows to a Table The INSERT Command Inserting a Row that Contains Nulls Viewing Table Data Correcting Errors in a Table Saving SQL Commands Creating the Remaining Database Tables Describing a Table

UNIT - III SINGLE & MULTIPLE TABLE SQL COMMANDS**10 HOURS**

The SELECT Statement Single Table Queries Constructing Simple Queries Sorting Using Functions Nesting Queries Grouping Nulls SQL Clauses, Functions, and Operators Multiple Table

Queries Querying Multiple Tables Joining Two Tables Comparing Joins, IN, and EXISTS Set Operations
ALL and ANY Special Operations

UNIT IV: ADVANCED SQL COMMANDS

10 HOURS

Updating Data Creating a New Table from an Existing Table Changing Existing Data in a Table Adding New Rows to an Existing Table Auto commit, Commit, and Rollback Transactions Changing and Deleting Existing Rows Executing a Rollback Changing a Value in a Column to Null Changing a Table 's Structure Making Complex Changes Performing Mathematical Calculations

UNIT V: DATABASE ADMINISTRATION

10 HOURS

Creating and Using Views Using a View to Update Data Dropping a View Security Indexes System Catalog Update of the System Catalog Integrity Constraints in SQL Using SQL in a Programming Environment Using Functions Working with Dates Concatenating Columns Stored Procedures Error Handling Using Update Procedures Selecting Multiple Rows with a Procedure Using a Cursor Opening a Cursor Fetching Rows from a Cursor Closing a Cursor Using T SQL in SQL Server Using SQL in Microsoft Access Using a Trigger.

TOTAL 48 HOURS

TEXT BOOKS:

1. Nield, T (2016) Getting Started with SQL: A Hands On Approach for Beginners
China: O'Reilly Media
2. Melton, J, & Simon, A R (1993) Understanding the new SQL: a complete
guide Morgan Kaufmann
3. Feuerstein, S, & Pribyl, B (2005) Oracle pl/sql Programming " O'Reilly
Media, Inc" Melton, J, & Simon, A R (2001) SQL: 1999: understanding
relational language

REFERENCE BOOKS:

1. Pratt, P, & Last, M (2014) A guide to SQL Nelson Education
2. Jones, A D, Plew, R, Stephens, R (2011) Sams Teach Yourself SQL in 24 Hours: Pearson
Education
3. Beaulieu, A (2009) Learning SQL: master SQL fundamentals " O'Reilly Media, Inc"

WEBSITE:

1. https://www.coursera.org/learn/sql_part1

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	2	
CO2	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2
CO3	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2
CO4	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	2
CO5	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2	1	2
Average	3	-	1	-	1	-	-	-	-	-	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 economics

COURSE OBJECTIVES(CO):

- Analyze the nature and scope of business economics and its relevance in decision- making.
- Evaluate methods of price determination and the influence of monetary policy on economic activities.
- Apply micro and macroeconomic concepts to assess their impact on the Indian economy and business operations.

COURSE OUTCOMES(COs):

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

COs	Course Outcomes	Blooms Level
CO1	Analyze the core concepts of business economics and their application in decision-making	Analyze
CO2	Evaluate the methods of price determination and their implications for market dynamics	Evaluate
CO3	Examine the impact of various factors on the Indian economy	Analyze
CO4	Assess key concepts of monetary policy and their influence on economic stability	Evaluate
CO5	Apply micro and macroeconomic concepts to solve business-related economic problems	Apply

UNIT - I BUSINESS ECONOMICS

12 HOURS

Meaning – Definition - Scope and Nature - Concepts applied in Business Economics - Contribution of Economics to managerial functions - Micro and Macro- Economics applied to Business Environment – Role and Responsibilities of Business Economists.

UNIT - II ANALYSIS OF DEMAND

12 HOURS

Meaning of Demand – Basis of Consumer Demand – Utility – Total Utility - Marginal Utility - Law of Diminishing Marginal Utility – Cardinal and Ordinal Concept of Utility – Law of Demand - Shift in Demand Curve - Meaning and Nature of Indifference Curve - Shift in Indifference Curve and Properties of Indifference Curve
- Consumer Equilibrium - Effect of Change in Price and Consumption - Income and Consumer Demand and Substitution and Price Changes.

UNIT - III SUPPLY AND PRODUCTION

12 HOURS

Meaning of Supply – Determinants - Law - Schedule and Supply Curve – Elasticity of Supply - Production - Function- Laws of Production – ISO -Quants – Pricing - Market Structure and Pricing Decision – Pricing Under Perfect Competition – Characteristic and Price Determination – Monopoly – Kinds – Causes - Price Output Decision and Price Discrimination - Monopolistic Competition – Price Output Decision in Short and Long run – Equilibrium - Oligopoly – Definition - Sources and Characteristics - Price Rigidity and Price Leadership.

UNIT - IV MACRO-ECONOMIC FACTORS**12 HOURS**

The Economic System - Capitalism and Mixed Economic System - Monetary Policy – Meaning – Scope - Limitations and Instruments – Fiscal policy – Definition – Objectives - Taxation Policy - Formulation and its Reforms - Monetization and demonetization of currency – impact on Indian economy

UNIT - V MONETARY POLICY**12 HOURS**

Inflation - Business Cycle and Economic Linkages – Inflation and Deflation – Meaning – Causes and Measures - Types of Inflation indices and their Applications Business Cycle – Phases – Characteristics and Various Theories - Balance of Trade and Balance of Payment – Meaning – Causes - Kinds and Measures.

TOTAL 60 HOURS**TEXT BOOKS:**

1. Geetika and Piyali Ghosh (2017), Managerial Economics, 3rd Edition, McGraw Hill Education, New Delhi.
2. H. L. Ahuja, (2017), Managerial Economics, 9th edition, S Chand Publishing, New Delhi
3. Christopher R.Thomas and S.Charles Maurice, Managerial Economics: Foundation of Business Analysis and Strategy, 10th Edition, McGraw Hill Education, New Delhi.

REFERENCE BOOKS:

1. Sundaram KPM & Sundaram EN-(2000), Business Economics, Sultan Chand and sons, New Delhi.
2. Ravilochanan. P (1992), Business Economics, ESS PEE KAY Publishing House, Chennai.
3. Drivedi DN, (2002), Managerial Economics, Vikas Publishing House (P) Ltd, New Delhi

WEBSITES:

1. D.N. Dwivedi (2017), Macroeconomics: Theory and Practice, 4th Edition, McGraw Hill Education, New Delhi
2. D.N. Dwivedi (2016), Microeconomics, 4th Edition, McGraw Hill Education, New Delhi
3. https://swayam.gov.in/nd2_imb20_mg38/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	-	2	1	2
CO2	3	-	2	3	-	-	-	-	-	-	-	-	3	-	2	1	2
CO3	3	-	-	3	-	-	1	-	-	-	-	-	3	-	2	1	2
CO4	3	-	-		1	-	-	-	-	1	-	-	3	-	-	1	2
CO5	3	-	-	3	-	1	-	-	-	-	-	-	3	-	-	1	2
Average	3	-	2	3	1	1	1	-	-	1	-	-	3	-	2	1	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 knowledge of financial statements and financial analysis.

COURSE OBJECTIVES(CO):

- To apply knowledge and understanding of financial statements to evaluate business performance.
- To learn to compare businesses using various financial models and create flexible charts.
- To use valuation models using different methods

COURSE OUTCOMES(COs):

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

COs	Course Outcomes	Blooms Level
CO1	Build the financial model to identify the portfolio which yields best return	Apply
CO2	Build the model to reduce the risk while choosing the investment product	Apply
CO3	To test for market efficiency using simple tests	Analyze
CO4	Develop, construct and run an event study analysis of the abnormal returns	Apply
CO5	Estimate betas and calculate a firm's cost of capital	Evaluate

List of Exercises

1. Introduction to Financial Modelling **3 HOURS**
2. Built in financial Excel Functions **3 HOURS**
3. Time value and its applications; EMI Modelling; Loan amortization modelling **3 HOURS**
4. Debenture Redemption modelling Bond valuation **3 HOURS**
5. Introduction to Stock Return ,Beta Volatility (Daily and Annualized) Risk of the Portfolio for N stocks – **3 HOURS**
6. Equal Proportion: Domestic and International Diversification **3 HOURS**
7. Spotting Overpriced/Under priced Stocks **3 HOURS**
8. Risk optimization model for Two stocks with varying proportions **4 HOURS**
9. Risk optimization model for more than Two stocks with varying proportions **4 HOURS**
10. Target return ratio model using Single Sharpe and Treynors' Index model **4 HOURS**
11. Single Sharpe Index model portfolio construction **4 HOURS**
12. Valuation **4 HOURS**
 - a. Valuation method 1: Comparable Company Analysis

- b. Valuation method 2: Precedent Transactions Analysis
- c. Valuation method 3: Discounted Cash Flow (DCF) analysis
- 13. Weighted Average Cost of Capital (WACC) **4 HOURS**
- 14. Building an Integrated Cash Flow Model **4 HOURS**

TOTAL 48 HOURS

REFERENCE BOOKS:

1. Financial Modeling in Excel For Dummies, by Danielle Stein Fairhurst, For Dummies; 1st edition
2. Financial Analysis and Modeling using Excel and VBA, by Chandan Sengupta, Wiley; Second edition

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	2
CO2	3	-	3	-	-	-	-	-	-	-	-	-	-	-	2	1	2
CO3	3	-	-	-	-	-	-	-	-	-	1	-	-	-	2	1	2
CO4	3	-	3	-	2	-	-	-	1	-	-	-	-	-	-	1	2
CO5	3	-	3	-	2	-	-	-	-	-	-	-	-	-	-	1	2
Average	3	-	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: - Total:100

End Semester Exam: - Hours

PREREQUISITE:

- Basic understanding of career planning and professional development.

COURSE OBJECTIVES(CO):

- Explore career alternatives and integrate theory with practice.
- Assess interests and abilities in their field of study.
- Develop work habits, attitudes, and critical job success skills, experience

COURSE OUTCOMES(COs):

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

COs	Course Outcomes	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

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	1
CO2	3	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	1
CO3	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	1	1
CO4	3	2	2	-	-	-	2	-	-	-	2	2	-	-	-	1	1
CO5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Average	3	2	2	1	1	-	2	-	-	-	2	2	3	-	-	1	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 planning and investment principles.

COURSE OBJECTIVES(CO):

- Explain the role of financial planners and the constituents of financial planning.
- Analyze a company's performance and make informed recommendations.
- Handle investment advisory, select and evaluate investment products, and consider regulatory aspects to maximize client returns.

COURSE OUTCOMES(COs):

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

COs	Course Outcomes	Blooms Level
CO1	Understand the concept of financial planning and the steps Involved	Understand
CO2	Understand the importance of saving and budgeting and the power of compounding	Understand
CO3	Familiarize with various investment options and saving and investment products	Understand
CO4	Familiarize with Stock Markets and Mutual Fund	Evaluate
CO5	Understand the regulatory and operational aspects of financial transactions	Understand

UNIT - I INTRODUCTION TO INDIAN FINANCIAL MARKET, SEGMENTS AND PERFORMANCE**12 HOURS**

Structure of Indian Financial Markets the role of various Regulators regulating Indian Financial Markets describe the nature, functions and types of issues in Primary Markets, Secondary Markets various tools and options in equity investing – direct, IPOs, Mutual funds and PMS, debt markets Understand the structure of Foreign Exchange Market

UNIT - II SELECTION AND ANALYSIS OF MUTUAL FUNDS & OTHER INVESTMENT PRODUCTS**12 HOURS**

Describe the meaning and features of a mutual fund regulatory framework for mutual funds various types of mutual fund products taxation of Mutual Fund Products Define and describe the various types of alternate investments Understanding risk, return and portfolio construction principles, Learn about Return targets, risk profile and optimisation Evaluate mutual fund portfolios for revisions and

rebalancing, Understand and Interpret the impact of elements of macroeconomic policies on asset allocation Interpret behavioural biases in decision making and portfolio management,

UNIT - III MANAGING INVESTMENT RISKS AND MEASURING RETURNS 12 HOURS

Define Risk, Know the Common Types of Risk, understand how to measure risk Understanding the concept of return, Define and understand how to apply the following return concepts, Understand and apply the concept of compounding, Compute Real rate of return vs nominal return, Compute Tax adjusted return, Compute Risk adjusted Returns

UNIT - IV PERSONAL FINANCIAL, INSURANCE PLANNING, RETIREMENT, TAX AND ESTATE PLANNING 12 HOURS

Understand what constitutes financial planning, understand assets, liabilities and net worth, Understand the preparation of budget, Describe the financial planning delivery process Asset classes, Portfolio construction, Practical asset allocation and Rebalancing Strategies, Explain the need for portfolio monitoring and re balancing Understand the need for insurance in personal finance, Compute and interpret personal finance ratios, Understand the retirement planning process, Understand and estimate retirement corpus, determining the retirement corpus, Describe retirement products and their features Understand Income tax principles Describe Estate Planning

UNIT - V REGULATORY, COMPLIANCE, ETHICAL ISSUES AND OPERATIONAL ASPECTS OF FINANCIAL TRANSACTIONS 12 HOURS

Describe the provisions of the SEBI (Investment Advisers) Regulations, 2013, Describe overall framework of the regulatory system, explain roles of regulators in detail: MoF, MCA, SEBI, RBI, IRDA, PFRDA, Discuss the role of Self regulatory organizations, Discuss the provisions of PMLA, 2002, Detail codes of conduct by SEBI, AMFI, etc, discuss ethical issues in providing financial advice, Describe investor complaint redressal mechanism Know Investor types and the acquisition process, learn about PAN, KYC and other processes, know about the Demat and Remat processes, learn about the PoA and other agreements, Understand the processes involved for account opening of NR investors

TOTAL 60 HOURS

TEXT BOOKS:

1. Scott David L, “How to Manage Your Investment Risks and Returns” Vision Books
2. Mutual Funds Guide 2015, Value Research
3. SEBI Investor Grievances – Rights and Remedies

REFERENCE BOOKS:

1. NISM (2019), NISM Series X A Investment Advisor (Level 1), Delhi: Taxmann
2. NISM (2019), NISM Series X B Investment Advisor (Level 2), Delhi: Taxmann
3. Sundar Sankaran, “Wealth Engine: Indian Financial Planning & Wealth Management Handbook”, Vision Books (2012)

WEBSITES:

1. www.nism.gov.in
2. www.sebi.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	-	-	-	-	-	-	-	3	-	-	-	-	-	3	1	1
CO2	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1
CO3	3	-	-	-	2	-	-	-	3	-	-	-	-	-	3	1	1
CO4	3	-	-	-	2	-	-	-	3	-	2	-	-	-	-	1	1
CO5	3	-	-	-	-	-	-	-	3	-	2	-	-	-	3	1	1
Average	3	-	1	-	2	-	-	-	3	-	2	-	-	-	3	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: 3Hours**PREREQUISITE:**

- GST, VAT, service tax, and excise duty, supply and demand

COURSE OBJECTIVES(CO):

- Learn and calculate GST liabilities, understand how to register for GST, and apply its provisions.
- Effectively communicate concepts and provisions of indirect taxation both orally and in writing.
- To be acquainted with GST standards, customs laws, and their practical applications for lifelong use.

COURSE OUTCOMES:

Upon Completion of this course the student will be able to

COs	Course Outcomes	Blooms Level
CO1	Understand the background, constitutional powers, administration of indirect taxes in India, and the basics and framework of GST.	Understand
CO2	Apply the concepts of taxable events, supply, levy and collection of CGST and IGST, and exemptions under GST.	Apply
CO3	Analyze the concepts of time, value, and place of taxable supply, and understand input tax credit and GST liability computation.	Analyze
CO4	Evaluate procedural compliance under GST, including registration, tax invoicing, accounting, returns, payments, refunds, and audits.	Evaluate
CO5	Understand the Customs Act, including the levy and collection of duties, classification, valuation, and import/export procedures.	Understand

UNIT - I CONCEPT OF INDIRECT TAXES**10 HOURS**

Concept of Indirect Taxes: Concept of Indirect Taxes at a Glance: Background - Constitutional powers of taxation - Indirect taxes in India – An overview - Pre-GST tax structure and deficiencies – GST Council - Administration of Indirect Taxation in India - Existing tax structure - Basics of Goods and Services Tax ‘GST’: Basics concept and overview of GST - Constitutional Framework of GST - GST Model – CGST / IGST / SGST / UTGST.

UNIT - II CONCEPT OF SUPPLY**8 HOURS**

Taxable Event - Concept of supply including composite and mixed supply - Levy and collection of CGST, SGST / UTGST and IGST - Composition scheme & Reverse Charge Mechanism - Exemptions under GST.

UNIT - III CONCEPT OF TIME, VALUE & PLACE OF TAXABLE SUPPLY**10 HOURS**

Concept of Time, Value & Place of Taxable Supply: Basic concepts of Time and Value of Taxable Supply - Basics concept of Place of Taxable Supply. Input Tax Credit & Computation of GST Liability- Overview.

UNIT - IV PROCEDURAL COMPLIANCE UNDER GST**10 HOURS**

Procedural Compliance under GST: Registration - Tax Invoice - Debit & Credit Note - Account and Record - Electronic way Bill – Returns - Payment of Tax - Refund Procedures – Audit - GST Compensation to States.

UNIT - V OVERVIEW OF CUSTOMS ACT**10 HOURS**

Overview of Customs Act: Overview of Customs Law - Levy and Collection of Customs duties - Types of Custom Duties - Classification and Valuation of Import and Export goods –Exemption - Officers of Customs - Administration of Customs Law - Import and Export Procedures – Transportation and Warehousing - Duty Drawback - Demand and Recovery - Confiscation of Goods and Conveyances - Refund.

TOTAL: 48 HOURS**TEXT BOOKS:**

1. Indirect Taxatoin – Dr V Balachandran
2. V S Datey, Indirect Taxes Law and Practice (2020), 42ndEdition, Taxmann Publication, New Delhi.

REFERENCE BOOKS:

1. Dr. H.C. Mehrotra, Prof. V.P. Agarwal (2017), Indirect Taxes, 18thRevised Edition, Sahitya Bhawan Publications, New Delhi.
2. Dr Girish Ahuja, Dr Ravi Gupta (2018), Practical Approach to Direct and Indirect Taxes: Containing Income Tax and GST, 37th Edition, Wolters Kluwer India Private Limited, New Delhi.
3. Pawan Dhiman (2018), Direct and Indirect Tax Manual, 1stEdition, KSK Publisher and Distributors, New Delhi.
4. The Institute of Cost Accountants of India (2018), Indirect Taxation, Directorate of Studies/

WEBSITES:

1. <https://icmai.in/TaxationPortal/GST/index.php>
2. https://swayam.gov.in/nd2_nou20_cm02/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	1	1
CO2	3	-	-	3	-	-	-	-	-	3	-	-	-	-	3	2	2
CO3	3	-	2	3	2	-	-	-	-	3	-	-	-	-	3	1	1
CO4	3	-	2	3	2	-	-	-	-	3	-	-	-	-	3	1	1
CO5	3	-	2	3	2	-	-	-	-	3	-	-	-	-	3	1	1
AVG	3	-	2	3	2	-	-	-	-	3	-	-	-	-	3	1.2	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 digital marketing concepts and online marketing platforms.

COURSE OBJECTIVES(CO):

- Develop expertise in managing and optimizing Facebook marketing campaigns for various business goals.
- Gain proficiency in using Google AdWords for creating targeted and cost-effective digital advertising strategies.
- Effectively analyze and utilize YouTube analytics for real-time marketing insights and campaign improvements.

COURSE OUTCOMES(COS):

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

COs	Course Outcomes	Blooms Level
CO1	Learn and apply Facebook Marketing strategies	Understand
CO2	Utilize Google AdWords for efficient digital marketing scenarios	Apply
CO3	Learn and implement techniques using YouTube for real time marketing analytics	Apply
CO4	Apply email marketing and content writing for developing and enhancing digital marketing	Apply
CO5	Utilize the knowledge of digital marketing financial products for real time practice	Apply

UNIT I: DIGITAL MARKETING PLANNING AND STRUCTURE**9 HOURS**

Inbound vs Outbound Marketing Content Marketing Understanding Traffic Understanding Leads Strategic Flow for Marketing Activities WWW Domains Buying a Domain Website Language & Technology Core Objective of Website and Flow One Page Website Strategic Design of Home Page Strategic Design of Products & Services Page Strategic Design of Pricing Page Portfolio Gallery and Contact Us Page Call to Action (Real Engagement Happens) Designing Other Pages SEO Overview Google Analytics Tracking Code Website Auditing Designing WordPress Website

UNIT II: FACEBOOK MARKETING FUNDAMENTALS

9 HOURS

Profiles and Pages Business Categories Getting Assets Ready Creating Facebook Pages Page Info and Settings Facebook Page Custom URL Invite Page Likes Featured Video Pin Post and Highlights Scheduling Posts Facebook Events Reply and Message Facebook Insights Reports Competitor's Facebook Page Ban User on Facebook Page Connect with Twitter Facebook Ad Campaigns: Organic v/s Paid Defining Ad Objective Performance Matrix Ad Components Designing Creative Image Facebook Ad Structure Setting Up Facebook Ad Account Create Ad –Targeting Create Ad – Budgeting Create Ad – Creative Content and CTA Boosting Page Posts Page Promotion Video Promotion Similar Ads and Audiences Tracking Pixels Code Remarketing Website Visitors Custom Audiences Look Alike Custom Audience Saved Group Managing and Editing Ads Ad Reports and Ad Insights Billing and Account Facebook Business Manager People Pages and Roles Ad Accounts Configurations Ad Agencies and Assigning Shared Login for FB Business A/c Power Editor Email Targeting on Facebook Facebook Offers CTA on Page Posts for Location Save Time with Third Party Tools Case Studies

UNIT III: GOOGLE ADWORDS

10 HOURS

Understanding Adwords Google Ad Types Pricing Models PPC Cost Formula Ad Page Rank Billing and Payments Adwords User Interface Keyword Planning Keywords Control Creating Ad Campaigns Creating Text Ads Creating Ad Groups Bidding Strategy for CPC Case Studies PPC CPM CPA Other Measuring Tools Bidding Strategy on Location Bidding Strategy on Schedule Bidding Strategy on Devices Conversion Tracking Code Designing Image Ads Creating Animated Ads Examples on Animated Ads Creating Video Ads Youtube Video Promotion Hi Jack Competitor's Video Audience Case Studies Remarketing Strategies Remarketing Rules Remarketing Tracking Code Linking Google Analytics Designing Remarketing Images Shared Budget GWD Software Case Studies

UNIT IV: YOUTUBE MARKETING

10 HOURS

Video Flow Google Pages for YouTube Channel Verify Channel Webmaster Tool –Adding Asset Associated Website Linking Custom Channel URL Channel ART Channel Links Channel Keywords Branding Watermark Featured Contents on Channel Channel Main Trailer Uploading Videos Uploading Defaults Creator Library Case Studies Channel Navigation Video Thumbnail CTA – Annotation CTA –Extro CTA –Cards for Mobile Redirect Traffic to Website Post Upload Enhancements Live Broadcasting Managing Playlists Managing Comments Managing Messages Monetization with Adsense Paid Youtube Channel Channel Analytics Real Time Analytics Case Studies

UNIT V: EMAIL MARKETING CONTENT WRITING

10 HOURS

Email Machine –The Strategy Email Frequency Why People Don't Buy The Fuel –Value Triggers in Email using 4Ps Sequence of Email Triggers Email Example Topic Intro Product Secondary Value Fear Regret Ask for Sales Reinforcement Offers Announcements Urgency Cross Sales Re Engagement Buyer vs Consumer Email Software and Tools Importing Email Lists Planning Email Campaign Email Templates and Designs Sending HTML Email Campaigns Web Forms Lead Importing Integrating Landing Page Forms Campaign Reports and Insights Segmentation Strategy Segmentation Lists Auto Responder Series Triggering Auto – Responder Emails Auto Responder Actions Case Studies

TOTAL 48 HOURS

TEXT BOOKS:

1. Melton, J, & Simon, A R (1993) Understanding the new SQL: a complete guide Morgan Kaufmann
2. Feuerstein, S, & Pribyl, B (2005) Oracle pl/sql Programming " O'Reilly Media, Inc"
3. Melton, J, & Simon, A R (2001) SQL: 1999:
4. understanding relational language components Elsevier
5. Kriegel, A (2011) Discovering SQL: a hands on guide for beginners John Wiley & Sons

REFERENCE BOOKS:

1. Google Adwords for Beginners: A Do It Yourself Guide to PPC Advertising, Cory Rabazinsky,
2. Email Persuasion: Captivate and Engage Your Audience, Build Authority and Generate More Sales with Email Marketing, Ian Brodie
3. Social Media Marketing All In One for Dummies, Jan Zimmerman and Deborah

WEBSITES:

1. <https://learnsq.com/blog/most-popular-sql-databases-2020/>
2. <https://www.dataquest.io/blog/why-sql-is-the-most-important-language-to-learn/>
3. <https://medium.com/better-programming/5-trends-in-big-data-and-sql-to-be-excited-about-in-2020-1489464e7aee>
4. <https://www.inwrx.com/blog/sql-server-2020>

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	2
CO2	3	-	-	-	2	-	-	-	2	2	3	-	-	-	2	1	2
CO3	3	-	1	-	2	-	-	-	-	-	3	-	-	-	2	1	2
CO4	3	-	-	-	-	-	-	-	2	2	3	-	-	-	-	1	2
CO5	3	-	-	-	2	-	-	-	2	2	3	-	-	-	2	1	2
Average	3	-	1	-	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: 3Hours

PREREQUISITE:

- Basic understanding of financial markets and investment principles.

COURSE OBJECTIVES(CO):

- Gain understanding of Investment Banking Operations.
- Acquire knowledge about the services provided by Investment Banks.
- Comprehend Risks and Market Data Providers.

COURSE OUTCOMES(COs):

Upon Completion of this course the student will be able to

COs	Course Outcomes	Blooms Level
CO1	Acquire knowledge on the Investment Banking Operations.	Understand
CO2	Gain knowledge on services offered by Investment Bank.	Understand
CO3	Understand about Risks & Market Data Providers.	Evaluate
CO4	Know about the Trade Life Cycle.	Understand
CO5	Apply the Fund administration knowledge to manage the financial resources	Apply

UNIT- I INTRODUCTION TO INVESTMENT BANKING 12 HOURS

Introduction to Investment Banking – Investment Banking – Introduction - Investment Banking Services – Underwriting and types - Investment bank structure - Types of Investment Banks – Commercial Bank vs Investment Bank - Role of Investment Banking in Financial Market - Role of investment banks during the last financial crisis 2008.

UNIT- II INVESTMENT BANKING SERVICES 12 HOURS

Investment Banking Services - 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 and Market Data Providers - Risk: Concept of Risk – Risk Management – Types of Risk – Market Risk - Credit Risk – Liquidity Risk – Regulatory Risk – Operational Risk – Risk Mitigating strategies. Market Data Providers: – Meaning – Players – Reference Data – Market Data

UNIT – IV TRADE LIFE CYCLE 12 HOURS

Trade Life Cycle – Introduction – Transaction Types - Stages of trade life cycle - Pre-Trade – Trade - Post Trade – Equity Trade Life Cycle - Front office - Middle office - Back office – Parties in Trade Life Cycle.

UNIT- V FUND ADMINISTRATION 12 HOURS

Fund Administration Role of Fund Administrator – Support Functions of Fund Administration - 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.

TEXT BOOKS:

1. Investment Banking Guide, Allison Otto – Published by Vanderbilt University
2. Invest Banking & Financial Services – Published by Gopalan College of Engineering & Management

REFERENCE BOOKS:

1. Securities Operations – A Guide to Trade & Position Management - Michael Simmons – Published by John Wiley & Sons, LTD.
2. Introduction to Investment Banking Career, Readintrobooks.com
3. Investment Banking, Concepts, Analysis and Cases, Pratap Giri S, Mc Graw Hill India.
4. Investment Banking, Pradeep Subramaniyam, McGraw Hill Education
5. Custody Services - Comptroller's Handbook Jan 2002
6. The Custody Services of Banks – July 2016 – Published by The Clearing House
7. Investment Banking: Valuation, LBOs, M&A, and IPOs, Joshua Rosenbaum · Joshua Pearl, - Published by Wiley
8. Investment Banking and Financial Service s, Dr.S.K.Yadav,
9. NISM – Series VII – Securities Operations & Risk Management – Published by National Institute of Securities Markets
10. Minimum Capital Requirements for Market Risk – Jan 2019 – Published by Basel Committee on Banking Supervision
11. CISI – Global Securities Operations – Edition 16, April 2020 – Published by Chartered Institute for Securities & Investment – Author - Kevin Petley, Chartered FCSI
12. Investment Banking, CA. Tapan Jindal, Published by Bharat Law House Pvt. Ltd.
13. Risk and Market Data Providers, Dr.K.M.Bhattacharya, Published by Himalaya Publishing House Pvt., Ltd.
14. The Trade Lifecycle: Behind the Scenes of the Trading Process, Robert P Baker, John Published by Wiley & Sons Inc
15. Fundamentals of Fund administration – Published by CESR

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	-	-	3	2	-	-	-	-	2	1	-	-	-	-	1	1
CO3	3	-	1	-	2	1	-	-	1	-	-	-	-	-	-	1	1
CO4	3	1	-	3	-	-	1	-	-	2	-	-	-	-	-	2	2
CO5	3	-	-	3	2	-	-	-	-	2	-	-	-	1	-	2	2
Average	3	1	1	3	2	1	1	-	1	2	1	-	-	1	-	1.4	1.4

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:

- Basic understanding of financial concepts and decision-making

COURSE OBJECTIVES (CO):

- Acquire knowledge on Investment Banking Operations.
- Gain insight into services offered by Investment Banks.
- Understand the risks and market data providers associated with investment banking.

COURSE OUTCOMES(COS):

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

Cos	Course Outcomes	Blooms Level
CO1	Perform advanced calculation, generate outputs, create variables, and abstract from data using Python.	Analyze
CO2	Learn Python models and techniques that aid in the design, analysis, and evaluation of financial decision-making.	Evaluate
CO3	Learn and implement advanced machine learning models in finance using Python.	Apply
CO4	Create Excel, web, and GUI-based designs for trading platforms to support analytics.	Create
CO5	Attain a broad understanding of the principles of quantitative evidence-based financial decision-making.	Understand

UNIT - I PYTHON AND FINANCE**9 HOURS**

Python History of Python Python Ecosystem Technology in Finance Rise of Real Time Analytics Finance and Python Syntax Efficiency and Productivity Through Python From Prototyping to Production Python Deployment Anaconda IPython Spyder Algorithmic Trading Python for Algorithmic Trading Machine and Deep Learning

UNIT - II WORKING WITH FINANCIAL DATA**9 HOURS**

Reading Financial Data from Different Sources Working with Open Data Sources Retrieving Historical Structured Data Retrieving Historical Unstructured Data Storing Financial Data Efficiently The process of algorithmic trading Moving averages Technical analysis techniques Crossovers Pairs trading Data Visualization Two Dimensional Plotting One Dimensional Data Set Two Dimensional Data Set Other Plot Styles Financial Plots Financial Data Regression Analysis

UNIT - III MODELS AND CONCEPTS**10 HOURS**

Supervised Learning Models: An Overview Linear Regression Ordinary Least Squares Regularized Regression Logistic Regression K Nearest Neighbors Linear Discriminant Analysis Classification and Regression Trees Ensemble Models ANN Based Models ANN using sklearn Using ANNs for supervised learning in finance Model Performance Overfitting and Underfitting Cross Validation Evaluation Metrics Unsupervised Learning: Dimensionality Reduction Clustering Techniques k means Clustering

UNIT - IV ADVANCED MACHINE LEARNING MODELS IN FINANCE**10 HOURS**

Investigating advanced classifiers Random Forest Gradient Boosted Trees XGBoost Using stacking for improved performance Investigating the feature importance Investigating different approaches to handling imbalanced data Under sampling Oversampling SMOTE Bayesian hyperparameter optimization

UNIT - V FINANCIAL ANALYTICS AND DEVELOPMENT**10 HOURS**

Excel Integration Basic Spreadsheet Interaction Scripting Excel with Python Object Orientation and Graphical User Interfaces Object Orientation Basics of Python Classes Simple Short Rate Class Cash Flow Series Class Graphical User Interfaces Short Rate Class with GUI Updating of Values Cash Flow Series Class with GUI Web Integration Web Basics Web Plotting Static Plots Interactive Plots Real Time Plots Rapid Web Applications Web Services

TOTAL 48 HOURS**TEXT BOOKS:**

1. Hilpisch, Y (2020) Python for Algorithmic Trading United States: O'Reilly Media
2. Fletcher, S, Gardner, C (2010) Financial Modelling in Python Germany: Wiley
3. Naik, K (2019) Hands On Python for Finance: A Practical Guide to Implementing Financial Analysis Strategies Using Python United Kingdom: Packt Publishing
4. Molin, S (2019) Hands On Data Analysis with Pandas: Efficiently Perform Data Collection, Wrangling, Analysis, and Visualization Using Python United Kingdom: Packt Publishing
5. Lewinson, E (2020) Python for Finance Cookbook: Over 50 Recipes for Applying Modern Python Libraries to Financial Data Analysis United Kingdom: Packt Publishing

REFERENCE BOOKS:

1. Lookabaugh, B, Tatsat, H, Puri, S (2020) Machine Learning and Data Science Blueprints for Finance China: O'Reilly Media
2. Machine Learning using Python, by U Dinesh Kumar Manaranjan Pradhan, Wiley
3. Hilpisch, Y (2014) Python for Finance: Analyze Big Financial Data United States: O'Reilly Media

WEBSITES:

1. <https://towardsdatascience.com/python-for-finance-the-complete-beginners-guide-764276d74cef>
2. <https://pythonforfinancenet/>
3. <https://github.com/yhilpisch/py4fi>

CO, PO, PSO Mapping

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

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

Instruction Hours/week: L:0 T:0 P:12

Marks: Internal:40 External: 60 Total:100

End Semester Exam:100 Hours

PREREQUISITE:

- Basic knowledge of research methodologies and statistical concepts.

COURSE OBJECTIVES(CO):

- Choose the appropriate research problem and sampling technique.
- Construct instruments for data collection.
- Carry out statistical analysis and write interpretations.

COURSE OUTCOMES(COs):

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

Cos	Course Outcomes	Blooms Level
CO1	Choose the right problem of the study & to choose right Sampling technique	Understand
CO2	Construct instrument for data collection	Create
CO3	Carryout 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	-	1	2	3	-	-	-	1	-	-	-	-	-	-	1	2
CO2	3	1	-	-	3	1	-	-	-	1	-	-	-	-	-	1	2
CO3	3	-	-	2	3	3	-	1	-	-	1	-	-	-	2	1	2
CO4	3	-	1	2	3	-	-	-	1	-	-	-	-	-	-	1	2
CO5	3	1	-	-	-	-	-	-	-	-	1	-	-	1	-	1	2
Average	3	1	1	2	3	2	-	1	1	1	1	-	-	1	2	1	2

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

25FAU701

INTERNATIONAL FINANCE

SEMESTER – VII
6H–5C

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 principles and global economics.

COURSE OBJECTIVES(CO):

- Gain fundamental knowledge of international finance.
- Understand the concept of exchange rate mechanisms and their determination.
- Comprehend the role and function of the International Monetary Fund (IMF) and the World Bank.

COURSE OUTCOMES(COS):

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

COs	Course Outcomes	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 financial markets	Apply
CO5	Understand on foreign exchange dealings and risk management	Apply

UNIT - I FUNDAMENTALS OF FOREIGN EXCHANGE**13 HOURS**

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**

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**15 HOURS**

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**

Segments, Participants and Dealing Procedures Classification of Markets Borrowing and Investing in International Financial Markets Instruments and Institutions Foreign Exchange Market in India Evolution

UNIT - V FOREIGN EXCHANGE RISK MANAGEMENT

15 HOURS

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 . Madura J (2020) , International Financial Management (13th ed) Cengage Learning.
- 2 . Levi, M.D (2009) International Finance (5th ed). Routledge

REFERENCE BOOKS:

1. Apte (2020), International Financial Management, 8th Edition, Mc Graw Hill, New Delhi Bhalla VK (2014), International Financial Management – Text and Cases, SChand, 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, VS (2011), International Financial Management, IK International Publishing House Pvt Ltd, New Delhi

WEBSITES:

1. www.imf.org
2. www.worldbank.org
3. www.investopedia.com

CO, PO, PSO Mapping

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

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

PREREQUISITE:

- Understanding of research methods, data collection, and basic statistical analysis is essential for learning about research design, hypothesis testing, and report writing.

COURSE OBJECTIVES (CO):

- To learn research purposes, types, and design components.
- To understand sampling methods and data collection techniques.
- To apply statistical analysis and report writing techniques.

COURSE OUTCOMES (COs):

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

COs	Course Outcomes	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 RESEARCH**14 HOURS**

Introduction to Research: Meaning – Purpose – Types of Research – Significance – Qualities of a good research – Steps in Research - Identification, Selection and Formulation of Research Problem – Sources. Research Design: Components of Research Design – Methods of Research Design - Ethics in Research

UNIT – II SAMPLING DESIGN**14 HOURS**

Introduction – Census and Sample Survey–Characteristics of a Good Sample Plan– Steps in Sampling – Types of Sampling – Advantages and Limitations of Sampling. Data Collection: Primary Data - Meaning – Significance – Methods of Collecting Data: Observation – Interview Schedule – Questionnaire. Secondary Data – Meaning - Sources of Secondary Data – Precautions while using Secondary Data.

UNIT - III HYPOTHESIS**14 HOURS**

Characteristics of a good Hypothesis – Formulation of Hypothesis – Procedure for Testing of Hypothesis – T test, F test and Chi Square Test, Analysis of Variance - Business Forecasting – Exponential Smoothing

UNIT - IV SCALING TECHNIQUES AND DESCRIPTIVE STATISTICS**15 HOURS**

Meaning of Scale–Measurement of Scale –Important Scaling Techniques – Processing of Data – Editing – Purpose–Analysis and Interpretation of Data - Meaning–Need for Interpretation – Techniques of Interpretation - **Descriptive Statistics** - Measures of Central Tendency: - Mean, Median and Mode - Standard deviation – Karl Pearson Correlation – Spearman Rank Correlation – Regression Analysis – Inferential Statistics – Multivariate Analysis - Factor Analysis – Kruskal Wallis Test.

UNIT – V REPORT WRITING**15 HOURS**

Introduction - Types of Research Reports - Layout of the Report – Steps in Writing the Report – Contents of Research Reports – Ethics in Publication – Plagiarism check – Publication Misconduct.

TOTAL: 72 HOURS**TEXT BOOKS:**

1. Uma Sekaran, Roger Bougie (2018), *Research Methods for Business: A Skill-Building Approach*, 7th edition, Wiley, New Delhi.
2. C.R. Kothari , Gaurav Garg (2018), *Research Methodology*, Fourth Edition, New AgeInternational Publishers, New Delhi.

REFERENCE BOOKS:

1. Donald Cooper and Pamela Schindler (2017), *Business Research Methods*, 11thEdition, McGraw Hill Education, New Delhi.
2. Zikmund William G. et.al (2016), *Business Research Methods*, Cengage India, NewDelhi

WEBSITES:

1. https://swayam.gov.in/nd2_arp19_ap72/preview
2. https://swayam.gov.in/nd2_cec20_hs17/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	-	-	-	-	2	-	-	-	3	1	2
CO2	3	-	2	-		3	-	-	-	-	2	-	-	-	3	1	-
CO3	3	-	2	-		3	-	-	-	-	2	-	-	-	3	1	2
CO4	3	-	-	-	1	3	-	-	-	-	-	-	-	-	3	1	2
CO5	3	-	-	-		3	-	-	-	-	-	-	-	-	3	1	-
Average	3	-	2	-	1	3	-	-	-	-	2	-	-	-	3	1	2

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

PREREQUISITE:

- Business concepts and the external environment factors influencing business operations.

COURSE OBJECTIVES (CO):

- To understand the conceptual framework of business environment.
- To analyze economic, political, social, and cultural factors affecting business.
- To analyze industry dynamics and emerging trends.

COURSE OUTCOMES (COs):

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

Cos	Course Outcomes	Blooms Level
CO1	Demonstrate Understanding of Business Environment Concepts	Understand
CO2	Analyze Economic Environment and Globalization Trends	Analyze
CO3	Analyze Industry Dynamics and Emerging Trends	Analyze
CO4	Evaluate Political, Social, and Cultural Environment	Evaluate
CO5	Assess Technological Environment and Policy Implications	Apply

UNIT- I INTRODUCTION TO BUSINESS ENVIRONMENT**14 HOURS**

Business and Its Environment - Concept of Business Environment - Characteristics of Business - Environment - Significance - Environmental Scanning – Process - Techniques of Environmental Scanning - Practices of Environmental Scanning

UNIT - II ECONOMIC ENVIRONMENT**14 HOURS**

Economic Environment - Economic Systems - Nature, Growth and Role of Public Sector - Privatization - Nature and Objectives - Privatisation Routes - Disinvestment - Globalization - Nature and Rationale - Multinational Corporations - India & WTO - Fiscal and Monetary Policy - Foreign Direct Investment - Mergers and Acquisitions - Business Process Outsourcing - Competition Policy – Foreign Institutional Investors.

UNIT - III INDUSTRY ANALYSIS**14 HOURS**

Industry Analysis - Economic Reforms and Competitive Environment Business Environment and Current Issues - Airlines Industry, Mobile Services, Software Industry, Steel Industry, Cement Industry, Passenger Cars, Two-wheelers, Pharmaceutical Industry, Organised Retailing, Express Services Industry

UNIT - IV POLITICAL, SOCIAL AND CULTURAL ENVIRONMENT**15 HOURS**

Political Environment - Political Institutions - Legislature, Executive, Judiciary and Judicial Activism - Culture and Business Ethics – Social Responsibility of Business - Nature, Models and Strategies - Corporate Governance & Corporate Social Responsibility - Social Audit - Ecology and Business - Nature of Physical Environment - Impact on Business - Geo Political Environment.

UNIT - V TECHNOLOGICAL ENVIRONMENT**15 HOURS**

Technological Environment - Features and Impact on Technology - Technology and Society Restraints on Technological Growth - Status of Technology in India - Technology Policy –

TEXT BOOKS:

1. Francis Cherunilam (2019), *Business Environment Text & Cases*, 28th Edition, Himalaya Publishing House Pvt., Ltd., Mumbai
2. K. Aswathappa (2019), *Essentials of Business Environment*, 15th Edition, Himalaya Publishing House Pvt., Ltd., Mumbai

REFERENCE BOOK:

1. Dr. V. C. Sinha, Dr Ritika Sinha (2020), *Business Environment*, SBPD Publishing House, Uttar Pradesh

WEBSITE:

1. <https://www.coursera.org/learn/global-business-environment>

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	2
CO2	3	-	-	-	-	-	-	-	-	-	-	2	-	-	2	1	-
CO3	3	-	-	-	-	-	-	-	-	-	-	2	-	-	2	1	2
CO4	3	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-
CO5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2
Average	3	-	-	-	1	-	-	-	1	-	-	2	-	-	2	1	2

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

PREREQUISITE:

- Basic economic concepts such as demand and supply, production, cost, and revenue functions.

COURSE OBJECTIVES (CO):

- To understand decision-making, consumer behavior, and demand-supply analysis.
- To analyze production, cost functions, and revenue models.
- To study market types, pricing, and economic policies.

COURSE OUTCOMES (COs):

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

COs	Course Outcomes	Blooms Level
CO1	Gain knowledge on concept of demand and supply & understand the concept of production, cost and revenue function	Understand
CO2	Know the pricing policies adopted in various market structures	Understand
CO3	Estimate impact of inflation on business cycle and personal disposable income	Analyze
CO4	Assess impact of monetary and fiscal policy on economic development	Evaluate
CO5	Enable students to obtain managerial problem-solving skills	Analyze

UNIT - I MANAGERIAL ECONOMICS: LAW OF DEMAND AND SUPPLY 14 HOURS

Introduction – Meaning - Nature and Scope of Managerial Economics - Significance in Decision Making. Consumer's Behavior and Demand: Meaning of Consumer's Equilibrium – Utility approach – Law of Equilibrium – Marginal utility–Consumers Surplus–Concept of Demand–Types of Demand–Determinants –Law of Demand – Exceptions to Law of Demand – Change in Demand – Elasticity of Demand – Types – Measurement of Price elasticity of demand. Concept of Supply – Determinants of Supply – Law of Supply – Change in Supply – Elasticity of Supply –Types.

UNIT - II PRODUCTION, COST AND REVENUE FUNCTION 14 HOURS

Producer's Behaviour and Supply - Basic concepts in production – Firm – Fixed and Variable Factors – Short and Long run – Total Product – Marginal Product – Average Product – Production Function – Law of Returns – Law of Returns to Scale – Economies and Diseconomies of Scale – Producer's Equilibrium. **Cost and Revenue Function:** Cost of Production – Opportunity cost – Fixed and Variable Costs–Total Cost Curves – Average Cost Curves – Marginal Cost – Long run and Short run Cost Curves – Total Revenue – Average Revenue – Marginal Revenue – Break Even Point Analysis.

UNIT - III MARKET COMPETITION AND PRICE STRUCTURES 14 HOURS

Forms of Market – Basis of Classification–Perfect - Competition – Features – Short Run and Long Run Equilibrium – Price Determination – Monopoly Market – Features – Short Run and Long Run Equilibrium – Predatory pricing - Price Discrimination – Degrees of Price Discrimination- Pricing objectives and Pricing Methods. Oligopoly Market Competition–Features – Price Leadership–Price Rigidity–Cartel–Collusive and Non-Collusive oligopoly – Oligopoly – Features – Monopolistic Competition – Features–Product Differentiation–Selling Cost– Short Run and Long Run Equilibrium–

UNIT - IV MACRO-ECONOMIC INDICATORS

15 HOURS

Production Method – Income Method – Expenditure Method Phases of Business Cycle – Causes of cyclical movements – Price Movements: Inflation, Deflation, and Deflation – Types of Inflation – Effects of Inflation – Control of Inflation- Difference between Normal Residents and Non-Residents – Domestic territory – Gross and Net Concepts of Income and Product – Market price and Factor Cost – Factor Payments and Transfer Payments–National Income Aggregates–Private Income– Personal Income– Personal Disposable Income – National Disposable Income – Measurement of National Income.

UNIT - V MONETARY POLICY AND FISCAL POLICY

15 HOURS

Objectives of Monetary Policy – Types of Monetary Policy – Instruments of Monetary Policy – Objectives of Fiscal Policy – Types of Fiscal Policy – Instruments of Fiscal Policy – Budget Preparation – Financial Stimulus. Balance of Trade and Balance of Payments – Current Account and Capital Account of BOP – Disequilibrium in BOP.

TOTAL 72 HOURS

TEXT BOOKS:

1. Varshney and Maheshwari, (2014). *Managerial Economics*, Sultan Chand and Sons, New Delhi.
2. Mehta, P, (2016). *Business Economics*, Sultan Chand and Sons, New Delhi

REFERENCE BOOKS:

1. Geetika and Piyali Ghosh (2017), *Managerial Economics*, 3rd edition , McGraw Hill Education, New Delhi.
2. Christopher R.Thomas and S.Charles Maurice (2017), *Managerial Economics : foundation of business analysis and strategy*, 10th edition, McGraw Hill Education, New Delhi
3. Paul Samuelson, William D. Nordhaus (2017), *Micro Economics*, 19th edition, McGraw Hill Education, New Delhi
4. William F. Samuelson, Stephen G. Marks (2013), *Managerial Economics*, 6th edition, Wiley, New Delhi

WEBSITES:

1. https://swayam.gov.in/nd1_noc20_mg67/preview
2. https://swayam.gov.in/nd2_imb20_mg38/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	-	-	-	-	-	1	1
CO2	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1
CO3	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	1
CO4	3	-	2	-	-	-	-	-	1	-	-	-	-	-	-	2	1
CO5	3	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1	1
Average	3	-	2	1	1	-	-	-	1	1	-	-	-	-	1	1.4	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:

- **Not Required**

COURSE OBJECTIVES (CO):

- To master basic statistical techniques like frequency distributions, descriptive statistics, and reliability testing using SPSS.
- To apply hypothesis tests and analyze data with methods such as t-tests, ANOVA, and chi-square tests in SPSS.
- To conduct advanced analyses using SPSS, including regression, factor analysis, and ranking methods to extract detailed insights from data.

COURSE OUTCOMES (COs):

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

Cos	Course Outcomes	Blooms Level
CO1	Compute descriptive statistics & parametric and non-parametric tests	Analyze
CO2	Carryout reliability and normality tests	Analyze
CO3	Comprehend the application of Bivariate and multivariate Analysis	Understand
CO4	Compute bivariate and multivariate analysis	Analyze
CO5	Apply statistical techniques on decision making	Apply

EXERCISES

- | | |
|---------------------------------|----------------|
| 1. Simple Frequency | 5 HOURS |
| 2. Descriptive Statistics | 5 HOURS |
| 3. Test of Reliability | 4 HOURS |
| 4. Test of Normality | 4 HOURS |
| 5. Independent 't' Test | 5 HOURS |
| 6. Analysis of Variance (ANOVA) | 5 HOURS |
| 7. Paired 't' Test | 5 HOURS |
| 8. Chi-square | 5 HOURS |
| 9. Mann Whitney U Test | 4 HOURS |
| 10. Kruskal Wallis H Test | 4 HOURS |
| 11. Wilcoxon Test | 4 HOURS |
| 12. Correlation | 4 HOURS |
| 13. Regression | 6 HOURS |
| 14. Factor Analysis | 6 HOURS |
| 15. Garrett Ranking | 6 HOURS |

TOTAL: 72 HOURS

TEXT BOOKS:

1. Darren George, Paul Mallery (2016), *IBM SPSS Statistics 23 Step by Step*, Routledge, New Delhi.
2. Asthana and Braj Bhushan (2017), *Statistics for Social Sciences (With SPSS Applications)*, Prentice Hall of India, New Delhi

REFERENCE BOOKS:

1. Keith McCormick, Jesus Salcedo, Aaron Poh, *SPSS Statistics for Dummies, 3rd Edition*, Wiley, New Delhi.
2. Keith McCormick, Jesus Salcedo, Jon Peck, Andrew Wheeler, Jason Verlen (2017), *SPSS Statistics for Data Analysis and Visualization*, Wiley, New Delhi.
3. Brian C. Cronk (2016), *How to Use SPSS®: A Step-By-Step Guide to Analysis and Interpretation*, 9th Edition, Routledge, 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	3	-	-	-	3	3	3
CO2	3	-	-	-	3	3	-	-	-	-	3	-	-	-	3	2	3
CO3	3	-	-	-	3	3	-	-	-	2	3	-	-	-	3	3	3
CO4	3	-	-	-	3	3	-	-	-	2	3	-	-	-	3	2	3
CO5	3	-	-	-	3	3	-	-	-	-	3	-	-	-	3	3	3
Average	3	-	-	-	3	3	-	-	-	2	3	-	-	-	3	2.6	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:

- Familiarity with basic banking concepts and an understanding of financial technology is essential to comprehend digital banking, including key technologies, payment systems, virtual banking, and future fintech trends.

COURSE OBJECTIVES (CO):

- To understand digital banking evolution, key technologies, and regulatory frameworks.
- To learn about mobile and internet banking, digital payments, and security features.
- To explore innovations like AI, blockchain, and emerging trends in digital banking.

COURSE OUTCOMES (COs):

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

COs	Course Outcomes	Blooms Level
CO1	Understand the differences between traditional and digital banking, and the benefits and challenges associated with digital banking technologies.	Understand
CO2	Analyze the features, risks, and security measures of mobile and internet banking services.	Analyze
CO3	Apply the principles of digital payment systems, including the use of e-wallets, UPI, and QR codes, in practical banking scenarios.	Apply
CO4	Evaluate the development, advantages, and limitations of virtual banks and neo-banks, and their regulatory requirements.	Evaluate
CO5	Create strategies to leverage future trends in digital banking, including the integration of fintech innovations, AI, and blockchain technologies.	Apply

UNIT- I INTRODUCTION TO DIGITAL BANKING**14 HOURS**

Overview of Digital Banking - Definition and evolution of digital banking - Differences between traditional and digital banking - Benefits and challenges of digital banking. Key Technologies in Digital Banking - Mobile apps, APIs, and cloud computing - Artificial intelligence and machine learning in banking - Blockchain and its applications in banking. Regulatory Framework - Regulatory bodies and compliance requirements - Key regulations and guidelines for digital banking - Data privacy and security laws.

UNIT - II DIGITAL BANKING SERVICES**14 HOURS**

Mobile Banking - Overview and brief history of Mobile Banking, Product features & diversity of Mobile Banking, Immediate Payment Service (IMPS), Risk Management & Frauds related to Mobile Banking, Benefits of providing Mobile Banking Services. Internet Banking: Overview and brief history of Internet Banking, its Products and their features, Types of Risks associated with Internet Banking, Technology and Security Standards for Internet Banking, Legal issues involved in Internet Banking

UNIT – III DIGITAL PAYMENT SYSTEMS**14 HOURS**

Introduction to Digital Payment Systems - Overview and evolution of digital payment systems - Benefits and challenges of digital payments. E-Wallets - Security features and risks. Unified Payments Interface (UPI) - Concept and objectives of UPI- Architecture, processes, and transaction flow – Features, interoperability, real-time transactions, - Major applications: BHIM, PhonePe, Google Pay - Impact on banking and payment ecosystem - Regulatory framework. QR Codes - Introduction to QR codes in payments - Types: static and dynamic - Mechanism: scanning, processing, confirmation - Advantages for businesses and consumers - Implementation in retail and e-commerce - Security concerns and measures.

UNIT - IV VIRTUAL BANKING AND NEO-BANKS**15 HOURS**

Introduction to Virtual Banking - Definition and characteristics - Differences from traditional banking - Benefits And limitations. Neo-Banks - Definition and evolution - Business models: customer-centric, digital-first - Key features: mobile-first, low fees, personalized services - Comparison with traditional banks and fintech companies - Regulatory environment: licensing and compliance - Major neo-banks: Chime, Revolut, Monzo, N26, Technology Infrastructure- Core banking systems for virtual banks and neo-banks - Role of cloud computing - APIs and open banking - Cyber security measures - AI and machine learning for personalized banking.

UNIT - V FUTURE TRENDS IN DIGITAL BANKING**15 HOURS**

Fintech Innovations - Role of fintech in shaping the future of banking - Key fintech innovations and their impact on traditional banking - Collaboration between banks and fintech companies. Artificial Intelligence and Machine Learning - AI applications in banking (chatbots, robo-advisors) - Predictive analytics for customer insights and decision-making. Blockchain and Distributed Ledger Technologies - Future applications of blockchain in banking - Smart contracts and their potential in financial services. Emerging Trends and Challenges - Open banking and API banking - The impact of digital banking on financial inclusion - Ethical and regulatory challenges in the future of digital banking.

TOTAL 72 HOURS**TEXT BOOKS:**

1. Chris Skinner (2014) *Bank: Strategies To Succeed As A Digital Bank: Strategies to Launch or Become a Digital Bank*, MC Publisher, India
2. Brett King (2018) *Bank 4.0: Banking everywhere, never at a bank*, Marshall Cavendish International (Asia) Pte Ltd, UK

REFERENCE BOOKS:

1. Indian Institute of Banking and Finance, Digital Banking, Taxmann
2. Lohana Sarika R(2019)., *Digital Banking and Cyber Security*. New Century Publications
3. Singh Jaspal(2018)., *Digital Payments in India: Background, Trends and Opportunities*, New Century Publications
4. Rao K. Srinivasa(2015)., *Changing Dimensions of Banking in India*, Notion 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	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	1
CO2	3	-	2	-	2	-	-	-	-	-	3	-	-	-	3	2	1
CO3	3	-	-	-	-	-	-	-	-	-	3	-	-	-	3	2	-
CO4	3	-	-	-	-	-	-	-	2	-	-	-	-	-	3	-	1
CO5	3	-	2	-	2	-	-	-	2	-	3	-	-	-	3	2	1
Average	3	-	2	-	2	-	-	-	2	-	3	-	-	-	3	2	1

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

PREREQUISITE:

- Basic understanding of accounting principles, business mathematics, economics, and general business management functions.

COURSE OBJECTIVES (CO):

- To introduce core concepts and functions of financial management, including financial goals and the evolving role of finance managers.
- To develop the ability to apply time value of money, risk-return trade-off, and capital budgeting techniques in decision-making.
- To equip students with knowledge of capital structure, financing options, and dividend policy for strategic financial planning.

COURSE OUTCOMES(COs):

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

COs	Course Outcomes	Blooms Level
CO1	Understand the financial goals, role of finance manager, and governance in corporate finance.	Understand
CO2	Apply time value of money and risk-return analysis in financial decision-making.	Apply
CO3	Evaluate investment decisions using capital budgeting tools and cost of capital concepts.	Evaluate
CO4	Analyze capital structure decisions and theories to determine optimal financing mix.	Analyze
CO5	Examine various dividend policies and understand corporate dividend behavior.	Understand

UNIT I: Financial Goals of the Firm**14 HOURS**

Financial Management – Introduction to finance, objectives of financial management – Firm Value and equity value– profit maximization and wealth maximization - Changing role of finance managers - Organization of finance function. Agency model; problem and agency cost – Stockholders and Managers; bondholders and society
- Disciplining management through corporate governance - Sustainability model.

UNIT II: Time Value of Money**14 HOURS**

Present and future value of single payments, annuities, annuities due, and perpetuities - Growth in annuities and perpetuities - Compound interest and continuous compounding - Annual percentage rates and effective annual rates - Mathematics of loans: Discount, Interest only, Full and partial amortization Concepts of Risk and Return – Diversifiable and Non-Diversifiable risk - Risk & return of single asset, risk and Return of a portfolio, Measurement of market risk for single asset and portfolio.

UNIT III: Capital Budgeting & Financing Decisions**14 HOURS**

Investment Rules: Capital budgeting methods and their limitations - Comparing projects with varying lives with varying cash flows - Capital budgeting decision rules. Sources of long term funds Cost of capital – basic concepts. Cost of debenture capital, cost of preferential capital, cost of term loans, cost of equity capital (Dividend discounting and CAPM model). Cost of retained earnings. Determination of Weighted average cost of capital (WACC) and Marginal cost of capital.

UNIT IV: Capital Structure**15 HOURS**

Capital structure decisions – Overview of financing choices –The financing process; internal and external financing - Operational and financial leverage - Business risk and its effect on the use of financial leverage - Determination of the optimal capital structure - Modigliani and Miller Propositions I and II - Theories for determining optimal capital structure - Static theory - Signaling theory - Pecking order theory - Other factors affecting capital structure - Corporate finance in practice –Planning the capital structure: EBIT and EPS analysis. ROI & ROE analysis. Capital structure policy (No capital structure theories to be covered)

UNIT V: Dividend policy**15 HOURS**

Dividend policy – factors affecting the dividend policy - dividend policies- stable dividend, stable payout. Theories of dividend policy: relevance and irrelevance dividend decision. Walter’s and Gordon’s model, Modigliani and Miller approach. Dividend policies – stable dividend, stable payout and growth. Bonus shares and stock split corporate dividend behavior. Legal and procedural aspects of dividends Corporate Dividend Distribution Tax- empirical evidence of dividend policy. Analyzing cash returned to the stockholders - cash flow approach and comparable firm approach

TEXT BOOKS:

1. Prasanna Chandra – *Financial Management: Theory and Practice*, Tata McGraw Hill, 7th Edition
2. I.M. Pandey – *Financial Management*, Vikas Publishing, 9th Edition
3. Brigham & Houston – *Fundamentals of Financial Management*, Thomson Cengage Learning

REFERENCE BOOKS:

1. M.Y. Khan & P.K. Jain – *Financial Management*, TMH, 5th Edition
2. Aswath Damodaran – *Corporate Finance*, John Wiley & Co., 2nd Edition
3. Van Horne – *Financial Management & Policy*, Pearson/PHI, 11th 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	3	1	1	-	-	-	-	1	-	-	-	2	-	3	2
CO2	3	2	3	2	2	-	-	-	-	1	-	-	-	3	-	3	3
CO3	3	2	3	3	2	-	-	-	-	1	-	-	-	3	-	3	3
CO4	3	2	3	3	2	-	-	-	-	1	-	-	-	3	-	3	3
CO5	3	1	2	2	2	-	-	-	-	1	-	-	-	2	-	2	2
Average	3	1.8	2.8	2.2	1.8	-	-	-	-	1	-	-	-	2.6	-	2.8	2.6

PREREQUISITE:

- Basic knowledge of financial management, including cash flow analysis, investment strategies, and risk management.

COURSE OBJECTIVES (CO):

- To understand the basics, objectives, and regulations affecting treasury operations.
- To analyze cash flow forecasting, liquidity management, and bank relationships to improve cash management efficiency.
- To apply and evaluate investment strategies for both short-term and long-term to optimize corporate investments.

COURSE OUTCOMES (COs):

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

COs	Course Outcomes	Blooms Level
CO1	Understand the role and significance of treasury management, including the impact of regulatory changes on treasury operations.	Understand
CO2	Analyze and develop effective strategies for cash flow forecasting, liquidity management, and maintaining strong bank relationships.	Apply
CO3	Apply investment policies to manage both short-term and long-term corporate investments, considering risk and return.	Apply
CO4	Evaluate financial risks such as interest rate and foreign exchange risks, and utilize appropriate hedging instruments to mitigate these risks.	Evaluate
CO5	Create and implement comprehensive frameworks for measuring treasury performance, leveraging technology, and incorporating sustainable practices.	Apply

UNIT - I INTRODUCTION TO TREASURY MANAGEMENT**14 HOURS**

Overview of Treasury Management - Definition and objectives of treasury management - Role and importance of the treasury function in organizations - Evolution of treasury management. Treasury Organization and Structure - Centralized vs. decentralized treasury management - Organizational structure of the treasury department - Roles and responsibilities of treasury professionals. Regulatory Environment - Overview of regulations affecting treasury operations - Compliance with financial regulations (Basel III, Dodd-Frank Act, etc.) - Impact of regulatory changes on treasury management.

UNIT- II CASH MANAGEMENT**14 HOURS**

Cash Management - Cash Flow Forecasting - Importance of cash flow forecasting - Techniques for cash flow forecasting - Managing cash flow volatility. Liquidity Management - Strategies for effective liquidity management - Tools and techniques for managing liquidity - Short-term financing options. Bank Relationship Management - Selection and evaluation of banking partners - Negotiating banking services and fees - Managing multiple banking relationships. Payment Systems and Technologies - Overview of payment systems (SWIFT, ACH, RTGS, etc.) - Emerging payment technologies and trends - Fraud prevention and cybersecurity in payments.

UNIT - III INVESTMENT MANAGEMENT**14 HOURS**

Investment Management- Investment Policy and Strategy - Formulating an investment policy - Objectives of corporate investments: safety, liquidity, yield - Risk and return considerations. Short-term Investment Options - Money market instruments (T-bills, commercial paper, certificates of deposit, etc.) - Fixed income securities - Managing a short-term investment portfolio. Long-term Investment Strategies - Capital

budgeting and project evaluation - Evaluating long-term investment opportunities - Risk assessment and mitigation in long-term investments.

UNIT IV RISK MANAGEMENT IN TREASURY

15 HOURS

Introduction to Financial Risk Management - Types of financial risks: interest rate risk, currency risk, credit risk, liquidity risk - Identifying and assessing financial risks. Hedging Strategies and Instruments - Derivatives in risk management: forwards, futures, options, swaps - Using hedging instruments to mitigate risk. Interest Rate Risk Management - Understanding interest rate risk - Tools for managing interest rate risk- Impact of interest rate changes on financial performance. Foreign Exchange Risk Management - Foreign exchange markets and exchange rate mechanisms - Techniques for managing currency exposure - Cross- border cash management.

UNIT - V TREASURY PERFORMANCE MEASUREMENT AND EMERGING TRENDS

15 HOURS

Treasury Performance Metrics - Key performance indicators (KPIs) for treasury - Benchmarking treasury performance - Continuous improvement in treasury operations. Technology in Treasury Management - Role of technology in modern treasury management - Treasury Management Systems (TMS) - Trends in fintech and their impact on treasury. Sustainable and Ethical Treasury Practices - Incorporating ESG (Environmental, Social, Governance) criteria in treasury operations - Ethical considerations in treasury management. Future Trends in Treasury Management - Impact of digital transformation on treasury functions - Blockchain and crypto currency in treasury management - Predictive analytics and AI in treasury decision-making.

TOTAL 72 HOURS

TEXT BOOKS:

1. Steven M. Bragg (2010) *Treasury Management: The Practitioner’s Guide*, Wiley; 1st edition
2. Rajiv Rajendra(2013) *The Handbook of Global Corporate Treasury*, John Wiley & Sons Inc; 1st edition

REFERENCE BOOK:

1. Marie Dolfe and Erwin W. Erhardt, *International Cash Management*, Springer E-books

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	-
CO2	3	-	2	-	-	-	-	-	-	-	3	-	-	-	3	3	2
CO3	3	-	2	-	-	1	-	-	-	-	3	-	-	-	3	3	2
CO4	3	-	2	-	-	1	-	-	-	-	3	-	-	-	3	3	2
CO5	3	-	-	-	-	-	-	-	-	-	3	-	-	-	3	3	2
Average	3	-	2	-	-	1	-	-	-	-	3	-	-	-	3	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:

- A basic understanding of risk management and insurance principles is crucial for grasping risk types, applying pricing strategies, and designing insurance products..

COURSE OBJECTIVES (CO):

- Understand risk concepts and types, including business and personal risks.
- Apply insurance pricing and marketing principles, focusing on life and health insurance.
- Identify and analyze factors affecting insurance organizations, and design insurance products considering risk and future trends.

COURSE OUTCOMES (COs):

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

COs	Course Outcomes	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**

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**

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**

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 R Nomination R 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 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 RETIREMENT BENEFITS PLANNING

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:

- George E. Rejda , Michael McNamara (2017), Principles of Risk Management and Insurance, 13th Edition, Pearson Education, New Delhi.

REFERENCE BOOKS:

- Scott Harrington and Gregory Niehaus (2017), Risk Management and Insurance, 2 nd Edition, McGraw Hill, New Delhi
- Dorfman (2013), Introduction to Risk Management and Insurance, Prentice Hall, New Delhi
- Indian Institute of Banking and Finance (2017), Risk Analysis, Insurance and Retirement Planning, Taxman Publications Pvt. Ltd.

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	-	-	-	-	-	-	-	-	-	-	2	2
CO3	3	-	2	-	-	-	-	-	-	-	-	-	1	-	-	2	1
CO4	3	-	-	1	1	-	-	-	-	-	-	-	-	-	-	2	2
CO5	3	-	2	-	-	-	1	-	-	-	-	-	-	1	1	2	2
Average	3	-	2	1	1	-	1	-	-	-	-	-	1	1	1	2	1.6

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:**

Students should have understanding of electronic commerce, network infrastructure, applications, security frameworks, and directory services is essential for students.

COURSE OBJECTIVES (CO):

- Learn the fundamentals of electronic commerce and network infrastructure.
- Gain knowledge of security frameworks and directory services
- Apply practical skills in electronic commerce applications.

COURSE OUTCOMES (COs):

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

COs	Course Outcomes	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**

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- Local Area network- 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 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**

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 - 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 I(Electronic Communication for Business). New Delhi:.

REFERENCE BOOKS:

1. Kalakota, R., & Whinston, A. B. (2002). Frontiers of Electronic Commerce. New Delhi: Pearson Education India.
2. Rayudu, C. (2010). E-Commerce and E-Business. Mumbai: Himalaya Publishing House
3. Rayport, & Jaworeski, B. J. (2009). Introduction to E-Commerce. Noida , UP: McGraw Hill Publishing Company Limited
4. Tomasi, W. (2008). Electronic Communication Systems Fundamentals Through Advanced. New Delhi: Pearson Education
5. Viswanathan, S. (2012). The Indian Cyber Law. New Delhi: Bharat Law House.

WEBSITE:

1. https://swayam.gov.in/nd1_noc20_mg15/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	-	-	-	2	-	-	-	-	2	-	-	-	-	1	1	2
CO2	3	-	1	-	2	-	-	-	-	-	-	-	-	-	-	1	2
CO3	3	-	-	1	-	-	-	-	-	2	-	-	-	-	-	1	2
CO4	3	-	-	-	2	-	-	1	-	-	-	-	-	-	1	1	2
CO5	3	-	-	-	-	1	-	-	-	2	-	-	-	-	-	1	2
Average	3	-	1	1	2	1	-	1	-	2	-	-	-	-	1	1	2

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

Instruction Hours/week: L:0 T:0 P:18

Marks: Internal:120 External:180 Total:300

End Semester Exam: - Hours

PREREQUISITE:

- Basic understanding of research methodology and statistical concepts.

COURSE OBJECTIVES(CO):

- Choose an appropriate research problem and sampling technique.
- Construct effective data collection instruments.
- Perform statistical analysis and interpret the results accurately.

COURSE OUTCOMES(COs):

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

COs	Course Outcomes	Blooms Level
CO1	Choose the right problem of the study and the right sampling technique.	Understand
CO2	Construct an instrument for data collection.	Create
CO3	Carry out the statistical analysis.	Analyze
CO4	Write the interpretation for 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**
 - Introduction about the industry
 - Introduction about the company
 - Review of literature – Minimum 10 papers from referred journals
 - 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	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	1	2
Average	3	-	3	-	1	-	1	-	-	-	-	-	1	-	1	1	2

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