ALAGAPPAUNIVERSITY

(Accredited with A+ Grade by NAAC (CGPA: 3.64) in the Third Cycle)**,** Graded as Category-I University and granted autonomy by MHRD-UGC)

DIRECTORATE OF COLLABORATIVE PROGRAMMES

BBA- Airline and Airport Management

Regulations and Syllabus

[For those who join the Course in July 2023 and after]

CHOICE BASED CREDIT SYSTEM

ALAGAPPA UNIVERSITY

MOTTO

Excellence in Action

VISION

Achieving Excellence in all spheres of Education, with particular emphasis on Pedagogy, Extension, Administration, Research and Learning (PEARL).

MISSION

Affording a High Quality Higher Education to the learners so that they are transformed into intellectually competent human resources that will help in the uplift of the nation to Educational, Social, Technological, Environmental and Economic Magnificence (ESTEEM).

QUALITY POLICY

Attaining benchmark quality in every domain of PEARL to assure the stake holders delight through professional is mexhibit edinterms of strong purpose, sincere efforts, steadfast direction and skilful execution.

COURSE OBJECTIVES

Providing instructions and training in such branches of learning, as the University may determine. Fostering research for the advancement anddissemination of knowledge.

QUALITY QUOTE

Quality Unleashes Opportunities Towards Excellence (QUOTE).

GENERAL INSTRUCTIONS AND REGULATIONS

BBA Airline and Airport Management (Semester Pattern) is conducted by Alagappa University, Karaikudi, Tamil Nadu through its Collaborative Institutions.

Applicable to all the candidates admitted from the academic year **2023** onwards.

1. **Eligibility:**
   A pass in the Higher Secondary Examination (HSC) or an examination accepted as equivalent thereto by the Syndicate. Candidate for admission to **BBA Airline and Airport Management** shall be required to **have passed qualifying examination**.

   LateralEntry Eligibility:
   a. Candidate who are in possession of 10 +Diploma and
   b. Candidates who are in possession of the CPL license (For CPL Holders: Valid Commercial Pilot License).

2. **Forthe Degree:**
   The candidates shall have subsequently undergone the prescribed programme of study in a institute for not less than three academic years, passed the examinations prescribed andfulfil such conditions as have been prescribed therefore.

3. **Admission:**
   Admission is based on the marks in the qualifying examination.

4. **Duration of the Course:**
   The course shall extend over a period of Three years under SEMESTER pattern accounting to six SEMESTERs.

5. **Minimum Duration of Programme**
   The programme is for two years. Each year shall consist of two semesters' viz. Odd and Even semesters. Odd semesters shall be from June / July to October / November and even semesters shall be from November / December to April / May. Each semester there shall be 90 working days consisting of 6 teaching Hours per working day (5 days/week).

6. **Medium of Instruction**
   The medium of instruction is English/ Tamil.

7. **Teaching Methods**
   The classroom teaching would be through conventional lectures, the use of OHP, PowerPoint presentation, and novel innovative teaching ideas like television, smart board, and computer-aided instructions. Periodic field visit enables the student for gathering practical experience and up-to-date industrial scenario. Student seminars would be arranged to improve their communicative skills. In the laboratory, safety measures instruction would be given for the safe handling of chemicals and instruments. The lab experiments shall be conducted with special efforts to teach scientific knowledge to students. The students shall be trained to handle advanced instrumental facilities and shall be allowed to do experiments independently. The periodic test will be conducted for students to assess their knowledge. Slow learners would be identified and will be given special attention by remedial coaching. Major and electives would be held in the Department and for Non-major electives students have to undertake other subjects offered by other departments.

8. **Standard of Passing and Award of Division:**
    1. Students shall have a minimum of 40% of total marks of the University examinationsin each subject. The overall passing minimum is 40% both in aggregate of Continuous Internal Assessment and external in each subject.
    2. The minimum marks for passing in each theory / Lab course shall be 40% of the marks prescribed for the paper / lab.
    3. A candidate who secures 40% or more marks but less than 50% of the aggregate marks prescribed for three years taken together, shall be awarded THIRD CLASS.
    4. A candidate who secures 50% or more marks but less than 60% of the aggregate marks prescribed for three years taken together, shall be awarded SECOND CLASS.
    5. A candidate who secures 60% or more of the aggregate marks prescribed for three years taken together, shall be awarded FIRST CLASS.
    6. Only Part-III subjects were considered for the ranking.
    7. The Practical / Project shall be assessed by the two examiners, by an internal examiner and an external examiner.

9. **Continuous internal Assessment:**
    1. Continuous Internal Assessment for each paper shall be by means of Written Tests, Assignments, Class tests and Seminars
    2. 25 marks allotted for the Continuous Internal assessment is distributed for Written Test, Assignment, Class test and Seminars.
    3. Two Internal Tests of 2 Hours duration may be conducted during the SEMESTER for each course/ subject and the best marks may be considered and one Model Examination will be conducted at the end of the SEMESTER prior to University examination. Students may be asked to submit at least five assignments in each subject. They should alsoparticipateinSeminarsconductedforeachsubjectandmarksallocatedaccordingly.
    4. Conduct of the continuous internal assessment shall be the responsibility of the concerned faculty.
    5. The continuous internal assessment marks are to be submitted to the University at the end of every year.
    6. The valued answer papers / assignments should be given to the students after the valuation is over and they should be asked to check up and satisfy themselves about the marks they have scored.
    7. All mark lists and other records connected with the continuous internal assessments should be in the safe custody of the institution for at least one year after the assessment.

10. **Attendance:**
    Students must have earned 75% of attendance in each course for appearing on the examination.
    Students who have earned 74% to 70% of attendance need to apply for condonation in the prescribed form with the prescribed fee.
    Students who have earned 69% to 60% of attendance need to apply for condonation in the prescribed form with the prescribed fee along with the Medical Certificate.
    Students who have below 60% of attendance are not eligible to appear for the End SemesterExamination (ESE). They shall re-do the semester(s) after completion of the programme.

11. **Examination:**
    The examinations shall be conducted separately for theory and practical to assess (remembering, understanding, applying, analysing, evaluating, and creating) the knowledge required during the study. There shall be two systems of examinations viz., internal and external examinations. The internal examinations shall be conducted as Continuous Internal Assessment tests I and II (CIA Test I & II).

A. Internal Assessment

The internal assessment shall comprise a maximum of 25 marks for each course. The followingprocedure shall be followed for awarding internal marks.

Theory-25marks

Sl. No.	Content	Marks
1	Average marks of two CIA test	15
2	Seminar/group discussion/quiz, etc.,	5
3	Assignment/field trip report/case study reports	5
	Total	**25**

Practical-25marks

Sl. No.	Content	Marks
1	Average marks of two CIA tests (Practical) Experiments –Major, Minor, and Spotter	15
2	Observation notebook	10
	Total	**25**
Internship-25 Marks(assess by Guide/Incharge/HOD/ Supervisor)		
1	Presentation	15 Marks
2	Progress report	10 Marks
	Total	**25 Marks**
Dissertation–50 Marks(Guide/HOD)		
1	Two presentations(mid-term)	30 Marks
2	Progress report	20 Marks
	Total	**50 Marks**

B. External Examination

- ➢ There shall be examinations at the end of each semester, for odd semesters in October / November; for even semesters in April / May.
- ➢ A candidate who does not pass the examination in any course(s) may be permitted to appear in such failed course(s) in the subsequent examinations to be held in October / November or April / May. However, candidates who have arrears in practical shall be permitted to take their arrear Practical examination only along with regular practical examination in the respective semester.
- ➢ A candidate should get registered for the first-semester examination. If registration is not possible owing to a shortage of attendance beyond the condonation limit / regulation prescribed OR belated joining OR on medical grounds, the candidates are Permitted to move to the next semester. Such candidates shall re-do the missed semesterafter completion of the programme.

- For the Dissertation Work, the maximum marks will be 100 marks for thesis evaluation and the Viva-Voce 50 marks.
- For the internship, the maximum mark will be 50 marks for project report evaluation and for the Viva-Voce it is 25 marks
- **Viva-Voce:** Each candidate shall be required to appear for the Viva-VoceExamination (in defense of the Dissertation Work/internship).

Practical (Science)-Maximum 75 marks

Section A	Major experiment	15 Marks
Section B	Minor experiment	10 Marks
Section C	Experimental setup	5 Marks
Section D	Spotters-(5 spotters x 5marks)	25 Marks
Section E	Record Note	10 Marks
Section F	Viva-voce	10 Marks

Dissertation

Dissertation Thesis	100 Marks
Viva voce	50 Marks

Internship Report

Internship Report	50 Marks
Viva voce	25 Marks

Passing Minimum
- A candidate shall be declared to have passed each course if he/she secures not less than 40% marks in the End Semester Examinations and 40% marks in the Internal Assessment and not less than 40% for UG and PG 50% in the aggregate, taking Continuous assessment and End Semester Examinations marks together.
- The candidates not obtained 40% for UG and PG 50% in the Internal Assessment are permitted to improve their Internal Assessment marks in the subsequent semesters (2 chances will be given) by writing the CIA tests and by submitting assignments.
- Candidates, who have secured the pass marks in the End-Semester Examination and the CIA but failed to secure the aggregate minimum pass mark (E.S.E + C I.A), are permitted to improve their Internal Assessment mark in the following semester and/or in

University Examinations.

- ➤ A candidate shall be declared to have passed the Project Work if he/She gets not less than 40% in each of the Project Report and Viva-Voce and not less than 40 % UG and in PG 50% in the aggregate of both the marks for Project Report and Viva-Voce.
- ➤ A candidate who gets less than 40% for UG and PG 50% in the Project Report must resubmit the Project Report. Such candidates need to take again the Viva-Voce on the resubmitted Project.
- ➤ Each student should have taken   credits as a core course, Internship course(core), credits as a major elective; ---credits as a non-major elective, ----credits as dissertation work, in addition, MOOC scourses as extra credits, thus to talling least ----+extra credits required to complete **Degree Course.**

12. Fee structure

Course fee shall be as prescribed by the University and 50% of the course fee should be disbursed to University. Special fees and other fees shall be as prescribed by the Institution and the fees structure must intimated to the University. Course fees should be only by Demand draft / NEFT and AU has right to revise the fees accordingly.

Semester Pattern

Course Fee payment deadline
Fee must be paid before10th September of the academic year

13. Other Regulations:

Besides the above, the common regulation of the University shall also be applicable to this programme.

Course Structure

Part No	Subject	Credits
Part I	Language (LC)	4 x2 =12
Part II	English Language Course (ELC)	4 x2 =12
Part III	Core Course	62
	Allied Course	5x4Semesters =20
	Professional English (Additional Credit)	16 (I&IV Semesters) 4x4 Semesters
	Discipline Specific Elective (DSE) (or) Project	4 x4 =16 Project 8 credits
Part IV	SEC –I Value Education	2 x1 =2 (for one semester only)
	SEC– II Environmental Studies	2 x1 =2 (for one semester only)

	SEC–III Entrepreneurship Course	2 x1 =2
	SEC–IV &V NME I & II/ MOOC's	2 x2 =4
	Library/Yoga/Counselling/Field Trip/Self-learning course (SLC)	May be included in the timetable
Total		**140 + 16 Additional Credit**

- MIL- Modern Indian Language, E– English
- CC- Core course –Core competency, critical thinking, analytical reasoning, research skill & team work
- Allied/ GEC –Exposure beyond the discipline
- AECC- Ability Enhancement Compulsory Course (Professional English & Environmental Studies) – Additional academic knowledge, psychology and problem solving etc.,
- SEC- Skill Enhancement Course- Exposure beyond the discipline (Value Education , Entrepreneurship Course, Computer application for Science, etc.,
- NME- Non Major Elective – Exposure beyond the discipline
- Student not opted for Tamil as Language I, II, III and IV, should complete Adipadai Tamil compulsorily in NME-I and II.
- DSE – Discipline specific elective –Additional academic knowledge, critical thinking, and analytical reasoning-Student choice - either Internship or Theory papers or Project + 2 theory paper. If internship – Marks = Internal (150 (75+75) two midterm evaluation through Viva voce + Report 150+ External Viva voce 100 = 400, If Project Marks = Internal -25 +Thesis -+ Viva voce = 75=100 and + 3 theory paper = 300 = 400
- Extension activity & MOOCs– Voluntary basis

14. **Miscellaneous**
    1. Each student possess the prescribed textbooks for the subject and the workshop tools as required for theory and practical classes.
    2. Each student is issued with an identity card by the University to identify his / her admission to the course
    3. Students are provided library and internet facilities for development of their studies.
    4. Students are to maintain the record of practical conducted in the respective laboratory in a separate Practical Record Book and the same will have to be presented for review by the University examiner.
    5. Students who successful complete the course within the stipulated period will be awarded the degree by the University.

DEPARTMENTOFAVIATION
VISION

To be the exemplar in the field of Aviation by producing graduates who ensure to develop and strengthen the Aviation Industry contributing to the intellectual, social and economic development of the industry which is served through unique learning management, fuelled by the advanced curriculum to endeavour the highest standards to excel in their Aviation Profession.

MISSION

- To impart quality education through advanced curriculum, which would be delivered by theindustry experts.
- To train the students to have updated knowledge of the subjects in the field of aviation and groom them in Intrapersonal & Interpersonal skills.
- To prepare the students for the current industry standards by providing In-plant training in the updated procedures being followed in the industry
- To create awareness and working knowledge about different platforms in the Aviation Industry and mould the students to be fit for all platforms of the industry

PROGRAMME EDUCATION COURSE OBJECTIVES- (PEO):

PEO-1	To Produce Graduates demonstrating their critical thinking, communication, teamwork And situational awareness skills in the professional life.
PEO-2	To produce graduates who can fulfill the requirements of the aviation industry.
PEO-3	To produce graduates who shall develop the aviation industry in administration, process, communication and technological factors
PEO-4	To assume global careers and leadership responsibilities through consistent learning With idealistic managerial practices
PEO-5	To prepare the graduates to compete and excel through the updated methodology being Implemented in the Aviation Industry

PROGRAMOUTCOMES (POs)

PO-1	Students shall understand and practice the discipline being followed in the Aviation Industry.
PO-2	Students shall be able to read, write and communicate in the professional mannerWhich is highly required for the students in the working atmosphere.
PO-3	Students shall be able to develop their task management skills either as an Individual or in a team as a subordinate or a superior focusing on completing the tasks efficiently with maximum performance on time.
PO-4	Students shall be able to acquire the knowledge about aircraft and area related to The parts of aircraft and its operation procedure.
PO-5	Students shall get to know about airports, types of airports and several teams andOperations being handled by professionals inside and outside the airport.
PO-6	Students shall understand Commercial Aviation and operational procedures related To Commercial processes in the Aviation Industry.
PO-7	Students shall practise the activities and tasks related to several technical operations and professional communication procedures which connects operations of different platforms.
PO-8	Self-directed learning Students can work independently, identify any type of appropriate resources required for knowledge source that helps to manage a project, mini project, soft skill programs and placement training programs.
PO-9	Students shall develop knowledge and get exposure in different platforms of Aviation Industry which helps them in pursuing higher studies in various fields.
PO-10	Students shall understand the value of professional ethics and management principles which guides them in their professional life to cope up within the working environment so that shall avoid unethical behavior and adopting an objective, unbiased and truthful actions in all aspects of work.
PO-11	Students can develop their leadership skills by involving in several activities like seminar, survey, presentations, internships, training programs and undertaking responsibilities to work as a team or an individual, and setting direction, Formulating an inspiring vision by using their management skills.
PO-12	Students shall go for Lifelong learning related to technological and process based Updates throughout their lifetime

PROGRAMME SPECIFIC OUTCOME (PSOs)
At the end of the program, the students are

PSO-1	Able to understand the various scientific principles and they can able to apply in The field of Aviation.
PSO-2	Demonstrate ability to research information pertinent to their aviation discipline.
PSO-3	Realize the need to continuously gain knowledge throughout life within and Outside of aviation.
PSO-4	To function as the solution providers or entrepreneurs, who are able to manage, innovate, communicate, train and lead a team for continuous improvement.
PSO-5	Graduate will be able to work as a team member which will be a main requirement in industry or in any business enterprise which will pave the way for successful career for the graduate and also play a role for the success of the organization in which the graduate is employed.

BBA Airlines and Airport Management- Course Structure

Sem	Part	Course Code	Courses	Name	T/P	Credits	Hours	Int. Marks	Ext. Marks	Total
				BBA (Airline and Airport Management)						
I	I	91511T/ 11H/11F/M/T U/A/S	T /OL	Tamil/ Other Languages-I	T	3	4	25	75	100
	II	91512	E	General English-I	T	3	4	25	75	100
	III	91513	CC	Management Process	T	5	6	25	75	100
		91514	CC	Accounting For Managers	T	5	6	25	75	100
		91515	ALLIED	Computer Applications	T	4	6	25	75	100
	IV	91516	SEC -I	Value Education	T	2	2	25	75	100
				Library		-	2	-	-	-
				Total		**22**	**30**	**150**	**450**	**600**
II	I	91521T/H/F/M /TU/A/S	Tamil /OL	Tamil/ Other Languages-II	T	3	4	25	75	100
	II	91522	E	General English-II	T	3	4	25	75	100
	III	91523	CC	Principles of Airline and Airport Management	T	5	6	25	75	100
		91524	CC	Basics of Aviation Industry	T	5	6	25	75	100
		91525	ALLIED	Business Law	T	4	6	25	75	100
	IV	91526	SEC -II	Environmental Studies	T	2	2	25	75	100
				Library		-	2	-	-	-
				Total		**22**	**30**	**150**	**450**	**600**
III	I	91531T/H/F/M /TU/A/S/	Tamil /OL	Tamil/ Other Languages-III	T	3	4	25	75	100
	II	91532	E	General English-III	T	3	4	25	75	100
	III	91533	CC	Aviation Ancillary Services	T	5	6	25	75	100
		91534	CC	Airline and Airport Marketing Management	T	5	6	25	75	100
		91535	ALLIED	Principles of Logistics Management	T	4	6	25	75	100
	IV	91536	SEC -III	Entrepreneurship	T	2	2	25	75	100
		91537A 91537B 91537C	NME –I	1.Adipadai Tamil (for non tamil students compulsory)	P	2	2	25	75	100
				2.Advance Tamil	T					
				3. IT Skills for Employment	T					
			Optional	Self learning course MOOC'S	T		EXTRA CREDIT			
				Total		**24**	**30**	**175**	**525**	**700**
IV	I	91541T/H/F/M //TU/A/S/	Tamil /OL	Tamil/ Other Languages-IV	T	3	4	25	75	100
	II	91542	E	General English-IV	T	3	4	25	75	100
	III	91543	CC	Air Travel Management	T	5	6	25	75	100
		91544	CC	Airport and Air Traffic Services	T	4	5	25	75	100
		91545A 91545B	CC	Industrial Visit Report/ Mini Project	I/ PR	3	3	25	75	100
		91546	ALLIED	Principles of Tourism Management	T	4	6	25	75	100

IV		91547A 91547B 91547C	NME – II	1. Adipadai Tamil (for non tamil students compulsory)	P	2	2	25	75	100
				2. Advance Tamil	T					
				3. Small Business Management	T					
			Optional	Self learning course MOOC's	T	EXTRA CREDIT				
				Total		**24**	**30**	**175**	**525**	**700**
V	III	91551	CC	Cabin Crew Management	T	5	6	25	75	100
		91552	CC	Air Cargo Management	T	5	6	25	75	100
		91553A 91553B 91553C	DSE – I	1. Business Research Methodology/ 2. Consumer Behavior/ 3. Customer Relationship Management	T	4	5	25	75	100
		91554A 91554B 91554C	DSE – II	1. Human Resources Management/ 2. Economics For Executives / 3. Retail Management	T	4	5	25	75	100
		91555A 91555B 91555C	DSE – III	1. Air Regulations/ 2. Air Traffic Control/ 3. Aviation Safety Management	T	4	5	25	75	100
			Others	Library/yoga			3			
				Total		**22**	**30**	**125**	**375**	**500**
VI		91561	CC	Aviation Safety and Security	T	4	5	25	75	100
		91562	CC	Airport Planning and Design	T	5	5	25	75	100
		91563	CC	Airline Revenue Management	T	5	5	25	75	100
		91564A 91564B 91564C	DSE – IV	1. Professional Ethics/ 2. Total Quality Management/ 3. Service Marketing	T	4	5	25	75	100
		91565		Project Work	PR	8	10	25	75	100
				Total		**26**	**30**	**125**	**375**	**500**
				Grand Total		**140**	**180**	**900**	**2700**	**3600**

Subject Code -91511T	LANGUAGE-TAMIL –I	LTPC 4 0 0 3

பொதுத்தமிழ்-1

தமிழ் இலக்கிய வரலாறு -1

முதலாம் ஆண்டு – முதற் பருவம்

Course Code	Course Name	category	L	T	P	S	Credits	Ins.Hrs	CIA	External	Total
	பொதுத்தமிழ் -1 தமிழ் இலக்கிய வரலாறு -1	Supportive	Y	-	-	-	3	6	25	75	100

Pre-Requisite	பன்னிரெண்டாம் வகுப்பில் தமிழை ஒரு பாடமாகப் பயின்றிருக்க வேண்டும்	SV 2023	

Learning Objectives

- முதலாமாண்டுப் பட்ட வகுப்பு மாணவர்களுக்குத் தமிழ் மொழி இலக்கியங்களை அறிமுகம் செய்தல்
- தமிழ் இலக்கியப் போக்குகளையும், இலக்கணங்களையும் மாணவர் அறியுமாறு செய்து அவர்களின் படைப்பாற்றலைத் தூண்டுதல்
- தமிழ் இலக்கியம் சார்ந்த போட்டித் தேர்வுகளுக்கு ஏற்ப கற்பித்தல் நடைமுறைகளை மேற்கொள்ளுதல்

Expected Course Outcomes

On the Sucessful completion of the Course, Students will be able to

இப்பாடத்தைக் கற்பதால் பின்வரும் பயன்களை மாணவர் அடைவர்

CO 1	சங்க இலக்கியத்தில் காணப்பெறும் வாழ்வியல் சிந்தனைகளை அறிந்து கொள்வர்	K4
CO 2	அற இலக்கியம் மற்றும் தமிழ் காப்பியங்களின்வழி வாழ்வியல் சிந்தனையைப் பெறுவர்	K5, K6
CO 3	பக்தி இலக்கியங்களைக் கற்பதன் மூலம் பக்தி நெறியினையும், பகுத்தறிவு இலக்கியங்களைக் கற்பதன் வழி நல்லிணக்கத்தையும் தெரிந்து பின்பற்றுவர்	K3
CO 4	மொழியறிவோடு சிந்தனைத்திறனைப் பெறுவர்	K3
CO 5	மொழிப்பயிற்சிக்குத் தேவையான இலக்கணங்களைக் கற்பர்.	K2

K1 - Remember; K2 - Undestand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

அலகு-1	தமிழ் இலக்கிய, இலக்கண வரலாறு அறிமுகம்.

1. இலக்கணம்;

அ.தொல்காப்பியம், இறையனார் களவியல் உரை , நம்பியகப் பொருள், புறப்பொருள் வெண்பா மாலை, நன்னூல், தண்டியலங்காரம், யாப்பருங்கலக்காரிகை- நூல்கள்

ஆ.மொழிப் பயிற்சி- ஒற்றுப்பிழை தவிர்த்தல்

- வல்லினம் மிகும் இடங்கள்
- வல்லினம் மிகா இடங்கள்
- ஈரொற்று வரும் இடங்கள்
- ஒரு, ஓர் வரும் இடங்கள்
- அது, அஃது வரும் இடங்கள்
- தான், தாம் வரும் இடங்கள்

பயிற்சி : வல்லினம் மிகும் இடங்கள், மிகா இடங்கள் தவறாக வரும்வகையில் ஒரு பத்தி கொடுத்து ஒற்றுப் பிழை திருத்தி எழுதச் செய்தல்.

2. சங்க இலக்கியம் - எட்டுத்தொகை, பத்துப்பாட்டு
3. அற இலக்கியம்-பதினெண்கீழ்க்கணக்கு நூல்கள்
4. காப்பிய இலக்கியம் - ஐம்பெருங் காப்பியங்கள், ஐஞ்சிறு காப்பியங்கள், சமயக் காப்பியங்கள்
5. பக்தி இலக்கியமும் (பன்னிரு திருமுறைகள், நாலாயிர திவ்வியப் பிரபந்தம் -- பகுத்தறிவு இலக்கியமும் (சித்தர் இலக்கியங்கள், புலவர் குழந்தையின் இராவண காவியம்)

அலகு-2	சங்க இலக்கியம்

எட்டுத்தொகை ;எ

1. நற்றிணை-முதல் பாடல் -நின்ற சொல்லர்
2. குறுந்தொகை 3 ஆம் பாடல் -நிலத்தினும் பெரிதே
3. ஐங்குறுநூறு –நெல் பல பொலிக! பொன் பெரிது சிறக்க!' (முதல் பாடல்)-வேட்கை பத்து
4. கலித்தொகை- 51 - சுடர்த்தொடீஇக் கேளாய் -குறிஞ்சிக் கலி
5. புறநானூறு -189 தெண்கடல் வளாகம் பொதுமையின்றி, நாடா கொன்றோ -187

பத்துப்பாட்டு;

1. முல்லைப்பாட்டு (முழுவதும்)

அலகு-3	அற இலக்கியம்

1.திருக்குறள் -அறன் வலியுறுத்தல் அதிகாரம்

2.நாலடியார்-பாடல்: 131 (குஞ்சியழகும்)

3.நான்மணிக்கடிகை-நிலத்துக்கு அணியென்ப

4.பழமொழி நானூறு- தம் நடை நோக்கார்

5.இனியவை நாற்பது- 37. இளமையை மூப்பு என்று

அலகு-4	காப்பிய இலக்கியம்
	1. சிலப்பதிகாரம் – வழக்குரைகாதை
	2. மணிமேகலை- பாத்திரம் பெற்ற காதை
	3. பெரியபுராணம் - பூசலார் நாயனார்புராணம்
	4. கம்பராமாயணம்- குகப் படலம்
	5. சீறாப்புராணம் – மானுக்குப் பிணை நின்ற படலம்
	6. இயேசு காவியம் -ஊதாரிப்பிள்ளை

அலகு-5	பக்தி இலக்கியமும், பகுத்தறிவு இலக்கியமும்

பக்தி இலக்கியம்;

1. திருநாவுக்கரசர் தேவாரம் - நாமார்க்கும் குடியல்லேம் எனத் தொடங்கும் பாடல் மட்டும்
2. மாணிக்கவாசகர் திருவாசகம் - நமச்சிவாய வாஅழ்க நாதன்தாள் வாழ்க முதல் சிரம்குவிவார் ஓங்குவிக்கும் சீரோன் கழல் வெல்க வரை
3. பொய்கையாழ்வார்-வையந் தகளியா வார்கடலே
4. பூதத்தாழ்வார்-அன்பே தகளியா
5. பேயாழ்வார்-திருக்கண்டேன் பொன்மேனி கண்டேன்
6. ஆண்டாள் – திருப்பாவை மார்கழித் திங்கள் (முதல் பாடல்)

பகுத்தறிவு இலக்கியம்;

- திருமூலர் – திருமந்திரம் (270,271, 274, 275 285)
- பட்டினத்தார் -திருவிடை மருதூர் (காடே திரிந்து – எனத் தொடங்கும் பாடல் பா.எண ;.279, 280)
- கடுவெளி சித்தர் - பாபஞ்செய் யாதிரு *மனமே* (பாடல் முழுவதும்)
- இராவண காவியம் – தாய்மொழிப் படலம் ⊢ 18.   ஏடுகை யில்லா ரில்லை <u>முதல்</u> - 22. செந்தமிழ் வளர்த்தார். வரை

Text books
•   .

Reference Books
• மு. வரதராசன், தமிழ் இலக்கிய வரலாறு, சாகித்ய அக்காதெமி, புதுடெல்லி.
• மது. ச. விமலானந்தன், தமிழ் இலக்கிய வரலாறு, மீனாட்சி புத்தக நிலையம், மதுரை.
• தமிழண்ணல், புதிய நோக்கில் தமிழ் இலக்கிய வரலாறு, மீனாட்சி புத்தக நிலையம், மதுரை.
• தமிழ் இலக்கிய வரலாறு –முனைவர்.சிற்பி பாலசுப்ரமணியம், முனைவர்.சொ.சேதுபதி
• புதிய தமிழ் இலக்கிய வரலாறு– முனைவர்.சிற்பி பாலசுப்ரமணியம்,நீல.பத்மநாபன்

- தமிழ் இலக்கிய வரலாறு - டாக்டர்.அ.கா.பெருமாள்
- தமிழ் இலக்கிய வரலாறு –முனைவர். ப.ச.ஏசுதாசன்
- தமிழ் இலக்கிய வரலாறு – ஸ்ரீ குமார்
- வகைமை நோக்கில் தமிழ் இலக்கிய வரலாறு–பாக்கியமேரி
- தமிழ் பயிற்றும் முறை, பேராசிரியர் ந. சுப்புரெட்டியார் - மணிவாசகர் பதிப்பகம், சிதம்பரம்

Web Sources

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- https://www.sirukathaigal.com
- https://www.tamilvirtualuniversity.org
- https://www.noolulagam.com
- https://www.katuraitamilblogspot.com

Mapping Course Outcomes Vs Programme Outcomes

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	3	2	-	-	-	1	1	-	1	1	2
CO2	1	3	2	-	-	-	1	1	-	1	1	2
CO3	1	3	2	-	-	-	1	1	-	1	1	2
CO4	1	3	2	-	-	-	1	1	-	1	1	2
CO5	1	3	2	-	-	-	1	1	-	1	1	2
W.AV	1	3	2	-	-	-	1	1	-	1	1	2

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	1	2	1	1
CO2	-	1	2	1	1
CO3	-	1	2	1	1
CO4	-	1	2	1	1
CO5	-	1	2	1	1
W.AV	-	1	2	1	1

S–Strong (3), M-Medium(2), L -Low(1)

PAPER I

Subject Code	LANGUAGE	LTPC
91511**F**	**Foundation Course: French-I**	**4 00 3**

COURSEOBJECTIVES:

➢ Identify the basic French sentence structure
➢ Define and describe the various grammatical tenses and use them to communicate in French
➢ Examine the various documents presented and discuss and reply to the questions asked on it
➢ Analyze and interpret expressions used to convey the cause, the effect, the purpose, and the opposition in French
➢ Evaluate the grammatical nature present in passages

UNITI   **9 Hours**

Salut !
Enchanté

UNITII   **9 Hours**

J'adore

UNITIII   **9 Hours**

Tuveuxbien?

UNITIV   **9 Hours**

Onsevoit quand ?

UNITV   **9 Hours**

Bonneidée

Total: 45 Hours

TEXTBOOKSANDREFERENCE BOOKS:

Reading List (Print and Online)
1. RégineMérieux&YvesLoiseau,Latitudes-1-(A1/A2),méthodedefrançais,Didier,2017 (units

1-6 only)

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to	Knowledge Level
CO1	Recall and remember the usage of grammatical tenses in Constructing sentences in a dialogue.	L2
CO2	Apply the learnt grammar rules in practice exercises to improve Their understanding	L3
CO3	Explain the nuances In the usage of various grammatical tenses and their aspects	L2 &L3
CO4	Demonstrate knowledge of various expressions used to express opinions, emotions, cause, effect, purpose, and hypothesis in French	L2
CO5	Communicate in French and summarize a given text	L3

Mapping Course Outcomes Vs Programme Outcomes

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	3	2	-	-	-	1	1	-	1	1	2
CO2	1	3	2	-	-	-	1	1	-	1	1	2
CO3	1	3	2	-	-	-	1	1	-	1	1	2
CO4	1	3	2	-	-	-	1	1	-	1	1	2
CO5	1	3	2	-	-	-	1	1	-	1	1	2
W.AV	**1**	**3**	**2**	**-**	**-**	**-**	**1**	**1**	**-**	**1**	**1**	**2**

S–Strong (3), M-Medium(2), L -Low(1) Mapping Course

Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	1	2	1	1
CO2	-	1	2	1	1
CO3	-	1	2	1	1
CO4	-	1	2	1	1
CO5	-	1	2	1	1
W.AV	**-**	**1**	**2**	**1**	**1**

S–Strong (3), M-Medium(2), L -Low(1)

PAPER–I
(HindikaSamanya Gyan,Vyakaran aurNibandh)

Subject Code 91511**H**	LANGUAGE– GENERALHINDI-I	LTPC 4 00 3

COURSEOBJECTIVES:

1. Training in Hindi pronunciation along with basic knowledge of Hindi

2. Syntax
3. Reading the passage

Unit I   **Buniyadi Hindi**   **9 Hours**

- ➢ Swar
- ➢ Vyanjan
- ➢ BarahKhadi
- ➢ Shabdaur
- ➢ VakyaRachna

Unit II   **Hindi Shabdavali**   **9 Hours**

- ➢ RishtokeNaam
- ➢ GharelupadarthokeNaam

Unit III   **Vyakaran 5**   **9 Hours**

- ➢ SadharanVakyaaurSangya
- ➢ Sarvanam
- ➢ Visheshan
- ➢ Kriyaaadishabdoka prayog

Unit IV   **ChoteGadyanshka Pathan**   **9 Hours**

- ➢ BachokiKahaniya
- ➢ Patra-PatrikaomeinprakashitGadyanshoka Pathan

Unit V   **Nibandh**   **9 Hours**

- ➢ ☐ Sant Tiruvalluvar
- ➢ ☐ E.V.R Thandai Periyar
- ➢ ☐ Naari Sashaktikaran
- ➢ ☐ Paryavaran Sanrakshan
- ➢ ☐ Vibhinna pratiyogi parikshao ke bare mein jaankari dena

Pratiyogiprikshapar adharitnibandhodwarabhashakikshamtabadhanevale prashikshan kary.

Total:45 Hours

TEXT BOOKS AND REFERENCE BOOKS:
1. Hindike AvyayVakyansh– Chaturbhuj Sahay
2. SubodhHindiVyakaran–PhoolchandJain
3. SankshiptHindiVyakaran –Kamta Prasad
4. VyavaharikHindi –Nagappa
5. AbhinavHindiVyakran– Nagappa
6. SaralHindiVyakaran– ShyamchandraKapur
7. VyakaranPradeep–Ramdev
8. LaghuBalKathaye–Ramashankar
9. ManoranjakKahaniya–Premchand
10. CONCISEGRAMMAROFTHEHINDILANGUAGE -H.CScholberg
11. HindiGrammar–EdwinGreaves

COURSE OUTCOMES:

CO1	Introduction to Hindi sounds	K2
CO2	Sentence formation in hindi	K3
CO3	Acquisition of Hindi Vocabulary	K2
CO4	Reading of stories and other passages	K4
CO5	Modules to increase language ability through general essays based on competitive exams	K5; K6
K1-Remember;K2-Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6-Create		

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	1	2	-	-	-	-	2	1	1	3	2
CO2	1	1	2	-	-	-	-	2	1	1	3	2
CO3	1	1	3	-	-	-	-	3	1	1	3	2
CO4	1	1	2	-	-	-	-	2	1	1	3	2
CO5	1	1	3	-	-	-	-	3	1	1	3	2
W.AV	1	1	2.4	-	-	-	-	2.4	1	1	3	2

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	1	2	2	2
CO2	-	1	2	2	2
CO3	-	1	2	2	2
CO4	-	1	2	2	2
CO5	-	1	2	2	2
W.AV	-	**1**	**2**	**2**	**2**

S–Strong (3), M-Medium(2), L -Low(1)

Related Online Contents(MOOCs, SWAYAM, NPTEL, YouTube,Websites, etc.)
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https://bharatdiscovery.org/india/%E0%A4%A4%E0%A4%BF%E0%A4%B0%E0%A5%81%E0
%A4%B5%E0%A4%B2%E0%A5%8D%E0%A4%B2%E0%A5%81%E0%A4%B5%E0%A4%B0
#:~:text=%E0%A4%A4%E0%A4%BF%E0%A4%B0%E0%A5%81%E0%A4%B5%E0%A4%B2
%E0%A5%8D%E0%A4%B2%E0%A5%81%E0%A4%B5%E0%A4%B0%20(%E0%A4%85%E0
%A4%82%E0%A4%97%E0%A5%8D%E0%A4%B0%E0%A5%87%E0%A4%9C%E0%A4%BC
%E0%A5%80%3A%20Thiruvalluvar)%20%E0%A4%A6%E0%A4%95%E0%A5%8D%E0%A4
%B7%E0%A4%BF%E0%A4%A3,%E0%A4%AA%E0%A4%BF%E0%A4%A4%E0%A4%BE%
20%E0%A4%AE%E0%A5%87%E0%A4%82%20%E0%A4%B5%E0%A4%BF%E0%A4%B6%
E0%A5%8D%E0%A4%B5%E0%A4%BE%E0%A4%B8%20%E0%A4%B0%E0%A4%96%E0%
A4%A4%E0%A5%87%20%E0%A4%A5%E0%A5%87%E0%A5%A4
2. bZ-os-jkelkeh
https://hi.wikipedia.org/wiki/%E0%A4%AA%E0%A5%87%E0%A4%B0%E0%A4%BF%E0%A4
%AF%E0%A4%BE%E0%A4%B0#:~:text=%E0%A4%87%E0%A4%B0%E0%A5%8B%E0%A4
%A1%20%E0%A4%B5%E0%A5%87%E0%A4%82%E0%A4%95%E0%A4%9F%20%E0%A4%
A8%E0%A4%BE%E0%A4%AF%E0%A4%95%E0%A4%B0%20%E0%A4%B0%E0%A4%BE
%E0%A4%AE%E0%A4%BE%E0%A4%B8%E0%A4%BE%E0%A4%AE%E0%A5%80%20(17,
%E0%A4%B5%E0%A4%BE%E0%A4%B2%E0%A5%87%20%E0%A4%B9%E0%A4%BF%E0
%A4%A8%E0%A5%8D%E0%A4%A6%E0%A5%81%E0%A4%A4%E0%A5%8D%E0%A4%B
5%20%E0%A4%95%E0%A4%BE%20%E0%A4%B5%E0%A4%BF%E0%A4%B0%E0%A5%8
B%E0%A4%A7%20%E0%A4%A5%E0%A4%BE%E0%A5%A4
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https://www.hindikiduniya.com/essay/women-empowerment-essay-in-
hindi/#:~:text=%E0%A4%AE%E0%A4%B9%E0%A4%BF%E0%A4%B2%E0%A4%BE%20%E0%A4
%B8%E0%A4%B6%E0%A4%95%E0%A5%8D%E0%A4%A4%E0%A4%A
4%BF%E0%A4%95%E0%A4%B0%E0%A4%A3%20%E0%A4%95%E0%A5%8D%E0%A4%A
F%E0%A4%BE%20%E0%A4%B9%E0%A5%88%20%3F&text=%E0%A4%AE%E0%A4%B9%
E0%A4%BF%E0%A4%B2%E0%A4%BE%20%E0%A4%B8%E0%A4%B6%E0%A4%95%E0%
A5%8D%E0%A4%A4%E0%A4%BF%E0%A4%95%E0%A4%B0%E0%A4%A3%20%E0%A4%
95%E0%A5%8B%20%E0%A4%AC%E0%A5%87%E0%A4%B9%E0%A4%A6%20%E0%A4%
86%E0%A4%B8%E0%A4%BE%E0%A4%A8,%E0%A4%B8%E0%A4%95%E0%A5%8D%E0
%A4%B7%E0%A4%AE%20%E0%A4%AC%E0%A4%A8%E0%A4%BE%E0%A4%A8%E0%A
4%BE%20%E0%A4%AE%E0%A4%B9%E0%A4%BF%E0%A4%B2%E0%A4%BE%20%E0%

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A4%B8%E0%A4%B6%E0%A4%95%E0%A5%8D%E0%A4%A4%E0%A4%BF%E0%A4%95%
E0%A4%B0%E0%A4%A3%20%E0%A4%B9%E0%A5%88%E0%A5%A4

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a.
https://hi.wikipedia.org/wiki/%E0%A4%AA%E0%A4%B0%E0%A5%8D%E0%A4%AF%E0%A
4%BE%E0%A4%B5%E0%A4%B0%E0%A4%A3_%E0%A4%B8%E0%A4%88%E0%A4%B0%
E0%A4%95%E0%A5%8D%E0%A4%B7%E0%A4%A3#:~:text=%E0%A4%AA%E0%A4%B0%
E0%A5%8D%E0%A4%AF%E0%A4%BE%E0%A4%B5%E0%A4%B0%E0%A4%A3%20%E0
%A4%B8%E0%A4%82%E0%A4%B0%E0%A4%95%E0%A5%8D%E0%A4%B7%E0%A4%A3
%20%E0%A4%95%E0%A4%BE%20%E0%A4%B8%E0%A4%AE%E0%A4%B8%E0%A5%8D
%E0%A4%A4%20%E0%A4%AA%E0%A5%8D%E0%A4%B0%E0%A4%BE%E0%A4%A3%E
0%A4%BF%E0%A4%AF%E0%A5%8B%E0%A4%82,%E0%A4%AA%E0%A5%83%E0%A4%
A5%E0%A5%8D%E0%A4%B5%E0%A5%80%20%E0%A4%B8%E0%A4%AE%E0%A5%8D%
E0%A4%AE%E0%A5%87%E0%A4%B2%E0%A4%A8'%20%E0%A4%86%E0%A4%AF%E0%
A5%8B%E0%A4%9C%E0%A4%BF%E0%A4%A4%20%E0%A4%95%E0%A4%BF%E0%A4%
AF%E0%A4%BE%20%E0%A4%97%E0%A4%AF%E0%A4%BE%E0%A5%A4

b.http://gadyakosh.org/gk/%E0%A4%86%E0%A4%88%E0%A4%AF%E0%A5%87!_%E0%A4%
A
A%E0%A4%B0%E0%A5%8D%E0%A4%AF%E0%A4%BE%E0%A4%B5%E0%A4%B0%E0%
A4%A3_%E0%A4%AC%E0%A4%9A%E0%A4%BE%E0%A4%8F%E0%A4%81_/_%E0%A4%
85%E0%A4%A8%E0%A5%8D%E0%A4%A4%E0%A4%B0%E0%A4%BE_%E0%A4%95%E0
%A4%B0%E0%A4%B5%E0%A4%A1%E0%A4%BC%E0%A5%87

PART – I

PAPER–I

OTHER LANGUAGES ARE

MALAYALAM – I

ARABIC –I

TELUGU-I

Subject Code 91511M/ 91511A/ 91511TU	LANGUAGE– OTHER LANGUAGES-I	LTPC 4 0 0 3

Subject Code91512	**PAPER II– GENERAL ENGLISH-I**	**LTPC** **4 00 3**

COURSEOBJECTIVE:

- ➢ To enable learners to acquire self-awareness and positive thinking required in various life situations.
- ➢ To help them acquire the attribute of empathy
- ➢ To assist them in acquiring creative and critical thinking abilities
- ➢ To enable them to learn the basic grammar
- ➢ To assist them in developing LSRW skills

UNIT I   SELF-AWARENESS (WHO) & POSITIVE THINKING (UNICEF)

20 Hours

Life Story

Chapter1from Malala Yousafzai, I am Malala

An Auto biography or The Story of My Experiments withTruth (Chapters1,2&3)

M.K.Gandhi

Poem

Where the Mind is With out Fear– Gitanjali 35–Rabindranath Tagore

Love Cycle – Chinua Achebe

UNITII   EMPATHY   20 Hours

Poem

NineGold Medals – David Roth

Alice Fell or poverty–WilliamWordsworth

ShortStory

The School for Sympathy–E.V.Lucas

Barn Burning–William Faulkner

UNITIII   CRITICAL & CREATIVE THINKING   20 Hours

Poem

The Things That Haven't Been Done Before –Edgar Guest

Stopping by the Woods on a Snowy Evening–Robert Frost

ReadersTheatre

The Magic Brocade–A Tale of China

Stories on Stage – Aaron Shepard (Three Sideway Stories from Wayside School" by Louis Sachar

UNITIV   PART OF SPEECH   15 Hours

Articles

Noun

Pronoun

Verb

Adverb

Adjective

Preposition

UNITV   PARAGRAPH AND ESSAY WRITING   15 Hours

Descriptive

Expository

Persuasive

Narrative

TOTAL: 90 Hours

COURSE OUTCOMES:

On successful completion of this course, the student will be able to	Knowledge Level
CO1 Acquire self- awareness and positive thinking required in various Life situations	L2
CO2 Acquire the attribute of empathy.	L3
CO3 Acquire creative and critical thinking abilities.	L2
CO4 Learn basic grammar	L1
CO5 Development and integrate the use of four language skills i.e., listening, speaking, reading and writing.	L3

TEXT BOOKS:

1. Malala Yousafzai. Iam Malala, Little, Brown and Company, 2013.

2. M.K. Gandhi. An Auto biography or The Story of My Experiments with Truth (Chapter – I), Rupa Publications, 2011.

3. Rabindranath Tagore. "Gitanjali 35" from Gitanjali (Song Offerings): A Collection of Prose Translations Made by the Author from the Original Bengali. MacMillan, 1913.

4. N.Krishnasamy.ModernEnglish:ABookofGrammar,UsageandCompositionMacmillan, 1975.

5. AaronShepard.StoriesonStage,ShepardPublications,2017.

6. J.C.Nesfield.EnglishGrammarCompositionandUsage,Macmillan,2019.

WEBLINK:

1. MalalaYousafzai. Iam Malala(Chapter1)https://archive.org/details/i-am-malala

2. M.K Gandhi. An Autobiography or The Story of My Experiments with Truth(Chapter-1)- Rupa Publication, 2011 https://www.indiastudychannel.com/resources/146521- Book-Review-An-Autobiography-or-The-story-of-my-experiments-with- Truth.aspx

3. Rabindranath Tagore. "Gitanjali 35" from Gitanjali (Song Offerings)https://www.poetryfoundation.org/poems/45668/gitanjali-35

4. Aaron Shepard. Stories on Stage, Shepard Publications, 2017 https://amzn.eu/d/9rVzlNv

5. J C Nesfield. Manual of English Grammar and Composition. https://archive.org/details/in.ernet.dli.2015.44179

Mapping Course Outcomes Vs Programme Outcomes

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	3	2	-	-	-	1	1	-	1	1	2
CO2	1	3	2	-	-	-	1	1	-	1	1	2
CO3	1	3	2	-	-	-	1	1	-	1	1	2
CO4	1	3	2	-	-	-	1	1	-	1	1	2
CO5	1	3	2	-	-	-	1	1	-	1	1	2
W.AV	1	3	2	-	-	-	1	1	-	1	1	2

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	1	2	1	1
CO2	-	1	2	1	1
CO3	-	1	2	1	1
CO4	-	1	2	1	1
CO5	-	1	2	1	1
W.AV	-	1	2	1	1

S–Strong (3), M-Medium(2), L -Low(1)

		I – Semester			
Core	Course code:91513	MANAGEMENT PROCESS	T	Credits: 5	Hours: 6

Course Objectives	1. To know the nature and types of business organisations 2. To understand the principles and functions of management process 3. To know about the decision making 4. To get idea about the Modern trends in management process

Unit I	**Business** **Meaning**: **15 Hours** Business – meaning – business and profession, requirements of a successful business- Organisation - meaning - importance of business organisation – Forms of business Organisation-Sole traders, partnership, Joint Hindu family firm - Joint Stock Companies - Cooperative Organisations.
Unit II	**Nature and Scope of Management process** **15 Hours** Nature and Scope of Management process – Definitions of Management – Management: a science or an art? - Scientific Management - Managerial functions and roles – The evolution of Management Theory.
Unit III	**Planning** **15 Hours** Planning: meaning and purpose of planning - steps in planning - types of planning. Objectives and Policies - Decision making: Process of Decision making - types of Decisions - Public Utilities and Public Enterprises.
Unit IV	**Types of organization** **15 Hours** Types of organisation - Organisational structure - span of control - use of staff units and committees. Delegation: Delegation and centralisation - Line and Staff relationship. Staffing: Sources of recruitment - Selection process – training
Unit V	**Directing** **15 Hours** Directing: Nature and purpose of Directing, Controlling: Need for co-ordination - meaning and importance of controls - control process - Budgetary and non-Budgetary controls - Modern trends in Management Process - case studies
	Total : (75) Hours

TEXT BOOK:

Fundamentals of Business Organisations and Management- Bhushan Y.K., Sultan Chand &Sons, 2013.

REFERENCE BOOKS:

Principles of Management – L.M. Prasad, Sultan Chand &Sons, 2015.
Business Management – Dinkar Pagare, Sultan Chand &Sons, 2015.
Hannaway, J. (1989). Managers Managing: The Workings of an Administrative System. New York: Oxford University Press
Management Process and Organizational Behaviour, Karam Pal, I K International Publishing House Pvt. Ltd

Course Outcomes		Knowledge level
CO-1	Conceptualizing and imparting the management concepts in the business.	K2
CO-2	Examining the real time scenarios happening in the business.	K2
CO-3	Applying the knowledge of management principles, process of planning and decision making process for the sustainability of the business.	K4
CO-4	Enhancing the knowledge on recruitment solutions and training in the management.	K5
CO-5	Exploring the leadership qualities for effective coordination and control.	K4

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	1	2	1	-	-	1	2	1	2	1	1
CO2	1	2	1	1	2	1	1	1	-	1	2	1
CO3	1	1	2	-	1	-	1	2	2	2	1	1
CO4	1	1	1	1	1	1	1	2	1	1	1	1
CO5	1	1	1	1	-	-	1	2	1	1	2	2
W.AV	1	1.2	1.4	0.8	0.8	0.4	1	1.8	1	1.4	1.4	1.2

S –Strong (3), M- Medium (2), L - Low (1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	1	2	2	2
CO2	2	1	1	2	1
CO3	2	2	1	2	2
CO4	3	1	2	2	1
CO5	2	2	2	2	1
W.AV	2.4	1.4	1.6	2	1.4

S –Strong (3), M- Medium (2), L - Low (1)

I - Semester					
Core	**Course code:91514**	**ACCOUNTING FOR MANAGERS**	**T**	**Credits: 5**	**Hours: 6**
Course Objectives	➢ To understand about the basic accounting concepts ➢ To know about the fundamentals of Financial Accounting ➢ To learn about the procedure to prepare the final accounts ➢ To study about the fundamentals of cost and management accounting				
Unit I	**Introduction to Accounting** **15 Hours** Basic Accounting concepts - Kinds of Accounts – Branches of Accounting - Fundamentals of Financial Accounting - Rules of Double Entry System – Preparation of Journal and Ledger Accounts- problems.				
Unit II	**Final Accounts and Books of Accounting** **15 Hours** Manufacturing - Trading - Profit & Loss Account - Balance sheet. – Problems with simple adjustments - Subsidiary books - cash book – types of cash book - problems - Trial balance – problems.				
Unit III	**Branches of Accounting** **15 Hours** Meaning-definition-scope-Objectives-function-merits and demerits of Cost Accounting and Management Accounting - distinction between Cost, Management and Financial Accounting - Elements of cost-cost concepts and costs classification				
Unit IV	**Cost Accounting** **15 Hours** Preparation of cost sheet - Stores Control - ECQ-Maximum, Minimum, Reordering Levels - Pricing of Materials Issues - problems (FIFO, LIFO, and AVERAGE COST methods only) - labour cost - remuneration and incentives – problems				
Unit V	**Kinds of Costing & Budgeting** **15 Hours** Standard Costing - Variance Analysis – Problems (Material and Labour Variances only) - Marginal Costing - Cost Volume Profit analysis. Budgeting - preparation of various budgets				
	Total : (75) Hours				

TEXT BOOKS:

Accounting for Managers- Sankar Thappa, Taxmann's Publishers, 2022
Accounting for Managers – C. Rama Gopal, New age publishers, 2009

REFERENCE BOOKS:

Financial Accounting - T.S.Reddy & A.Murthy - Margham Publications
Financial Accounting for Business Managers – BattacharyaAshish. K, PHI publisher, 2016.
An Introduction to Accountancy - S.N.Maheshwari - Kalyani Publisher Ltd.
Financial Accounting – Dr. Divya Agarwal, Dr.Arvind Kumar Yadav - Thakur

Publication.

Course Outcomes		Knowledge level
CO-1	To understand the basic concepts of accounting kinds and branches of accounting and imparting accounting information is guiding to make decisions	**K2**
CO-2	To examine the process of manufacturing, trading Profit and Loss account and balance sheet. To apply the maintenance of various books in the management	**K5**
CO-3	To enhance the basic understanding of cost, management accounting, financial accounting and its distinguished characteristics	**K5**
CO-4	To impart knowledge making purpose ECQ, Coordinating levels, calculation of remuneration and incentives in the organisation	**K2**
CO-5	To enumerate and highlight the skills of costing and budget purpose in the organisations	**K2**

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	-	-	-	2	-	1	1	1	1	1
CO2	-	1	1	-	1	1	2	-	1	1	1	1
CO3	-	1	1	-	1	1	1	-	1	1	1	1
CO4	1	1	1	1	1	1	1	1	1	1	1	1
CO5	1	1	1	-	1	1	1	1	1	1	1	2
W.AV	0.6	1	0.8	0.2	0.8	1.2	0.8	0.6	1	1	1	1.2

S –Strong (3), M- Medium (2), L - Low (1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	1	2	1	2
CO2	1	1	1	2	2
CO3	2	1	1	1	1
CO4	1	1	2	2	2
CO5	1	1	1	2	1
W.AV	1.4	1	1.4	1.6	1.6

S –Strong (3), M- Medium (2), L - Low (1)

I - Semester					
Core	Course code:91515	COMPUTER APPLICATIONS	T	Credits: 4	Hours: 6
Course Objectives	➢ To get knowledge about the Introduction to computer ➢ To understand about the Computer hardware and software concepts and components ➢ To learn about Microsoft Packages ➢ To study about the basic Artificial Intelligence				
Unit I	**Introduction to Hardware & Software** 10 Hours Computer Introduction – Characteristics – history, generations, classifications, application of computer, hardware and software, operate systems, computer languages. Disk Operating System file, directory, changing the directory – creating a new directory – copying files – deleting files – changing filename – date and time – print.				
Unit II	**Working with Word Processing Software** 10 Hours Introduction to word - Editing a document – move and copy text and help system – formatting text & paragraph – finding & replacing text and spell checking – using tabs– enhancing documents – columns tables & other features – wizards using mail merge.				
Unit III	**Working with Spreadsheet** 10 Hours Introduction of worksheet & excel, getting started with excel – editing cells and using commands and functions – moving and copying, inserting and deleting rows & columns – getting help and formatting a worksheet, printing the worksheet, creating charts.				
Unit IV	**Working with Power Point** 10 Hours Power Point basics editing text adding subordinate points - deleting slides - working in outline view - using design templates – adding graphs – adding organization charts – running an electronic slide show – adding special effects				
Unit V	**Basics of Artificial Intelligence** 10 Hours Foundation of AI – History of AI intelligent agents: Agents and Environments – Concept of rationality – The nature of environments – Structure of Agents – Problem solving agents – AI problems – Problem solving agents – Problem formulation				
	Total : (75) Hours				

TEXT BOOKS:
Introduction to Computers, Peter Norton (author), January 2018 (edition), Chaukhamba Auriyantaliya
Microsoft Office 2010, Bittu Kumar (author), January 2013 (edition), V&S publishers
REFERENCE:
Basic Computer Course, Soumya Ranjan Behera (author), January 2019 (edition), Vasan Publications
Basic Computer Course Book, Vikram Kumar Sharma (author), May 2022 (edition), Notion Press
Artificial Intelligence: A Modern Approach, Russell & Norvig (authors), May 2022 (edition),   Pearson Education
Artificial Intelligence for All: Transforming Every Aspect of Our Life, Utpal Chakraborty (author), February 2020 (edition), BPB Publications.
WEBSITE LINK:
https://www.uc.edu/content/dam/uc/ce/docs/OLLI/Page%20Content/ARTIFICIAL%20INTELLIGENCEr.pdf

Course Outcomes		Knowledge level
CO-1	To understand the basic concepts of accounting kinds and branches of accounting and imparting accounting information is guiding to make decisions	K2
CO-2	To examine the process of manufacturing, trading Profit and Loss account and balance sheet. To apply the maintenance of various books in the management	K5
CO-3	To enhance the basic understanding of cost, management accounting, financial accounting and its distinguished characteristics	K5
CO-4	To impart knowledge making purpose ECQ, Coordinating levels, calculation of remuneration and incentives in the organisation	K2
CO-5	To enumerate and highlight the skills of costing and budget purpose in the organisations	K2

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	-	3	2	2	1	-	1	3	2	2	2	2
CO2	-	3	2	2	1	-	1	3	2	2	2	2
CO3	-	3	2	2	1	-	1	3	2	2	2	2
CO4	-	3	2	2	1	-	1	3	2	2	2	2
CO5	-	3	2	2	1	-	1	3	2	2	2	2
W.AV	-	5	2	2	1	-	1	5	2	2	2	2

S –Strong (3), M- Medium (2), L - Low (1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	2	3	1	2
CO2	-	2	3	1	2
CO3	-	2	3	1	2
CO4	-	2	3	1	2
CO5	-	2	3	1	2
W.AV	-	2	5	1	2

S –Strong (3), M- Medium (2), L - Low (1)

Subject Code : 91516	VALUE EDUCATION	L T P C 0 0 2 2

COURSE OBJECTIVE:

- To create an awareness to values among learners
- Help the leaners to adopt those values in their lives.

UNIT- 1   **VALUE EDUCATION**   **5 Hours**

Definition – Need for value Education – How important human values are – humanism and humanistic movement in the world and in India – Literature on the teaching of values under various religions like Hinduism, Buddhism, Christianity, Jainism, Islam, etc. Agencies for teaching value education in India – National Resource Centre for Value Education – NCERT– IITs and IGNOU.

UNIT- 2   **VEDIC PERIOD**   **5 Hours**

Influence of Buddhism and Jainism – Hindu Dynasties – Islam Invasion – Moghul invasion – British Rule – culture clash – Bhakti cult – social Reformers – Gandhi – Swami Vivekananda – Tagore – their role in value education.

UNIT- 3   **VALUE CRISIS – AFTER INDEPENDENCE**   **5 Hours**

Independence – democracy – Equality – fundamental duties – Fall of standards in all fields – Social, Economic, Political, Religious and Environmental – corruption in society. Politics without principle – Commerce without ethics – Education without Character – Science without humanism – Wealth without work – Pleasure without conscience – Prayer without sacrifice – steps taken by the Governments – Central and State – to remove disparities on the basis of class, creed, gender.

UNIT- 4   **VALUE EDUCATION ON COLLEGE CAMPUS**   **5 Hours**

Transition from school to college – problems – Control – free atmosphere – freedom mistaken for license – need for value education – ways of inculcating it – Teaching of etiquettes – Extra-Curricular activities – N.S.S., N.C.C., Club activities – Relevance of Dr.A.P.J. Abdual Kalam's efforts to teach values – Mother Teresa.

UNIT- 5   **PROJECT WORK**   **10 Hours**

Collecting details about value education from newspapers, journals and magazines. Writing poems, skits, stories centering on value-erosion in society. Presenting personal experience in teaching values. Suggesting solutions to value – based problems on the campus.

Total: 30 Hours

COURSE OUTCOME:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	Students will understand the importance of value based living.	**K2**
CO2	Students will gain deeper understanding about the purpose of their life	**K2**
CO3	Students will understand and start applying the essential steps to become good leaders.	**K3**
CO4	Students will emerge as responsible citizens with clear conviction to practice values and ethics in life.	**K5**
CO5	Students will become value based professionals & contribute in building a healthy nation.	**K6**

TEXT BOOKS:

Venkataiah. N (ed) 1998, "Value Education" New Delhi Ph. Publishing Corporation

Chakraborti, Mohit (1997) "Value Education: Changing Perspectives" New Delhi: Kanishka Publications

REFERENCE BOOKS:

Satchidananda. M.K. (1991), "Ethics, Education, Indian UNITy and culture" – Delhi, Ajantha publications.

Saraswathi. T.S. (ed) 1999. Culture", Socialisation and Human Development: Theory, Research and Application in India" – New Delhi Sage publications.

"Value Education – Need of the hour" Talk delivered in the HTED Seminar – Govt. of Maharashtra, Mumbai on 1-11-2001 by N.Vittal, Central Vigilance Commissioner.

"Swami Vivekananda's Rousing call to Hindu Nation": EKnath Ranade (1991) Centenary Publication

Radhakrishnan, S. "Religion and culture" (1968), Orient Paperbacks, New Delhi.

Mapping Course Outcomes Vs Programme Outcomes

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	3	3	-	-	-	1	3	1	2	3	3
CO2	3	3	3	-	-	-	1	3	1	2	3	3
CO3	3	3	3	-	-	-	1	3	1	2	3	3
PpCO4	3	3	3	-	-	-	1	3	1	2	3	3
CO5	3	3	3	-	-	-	1	3	1	2	3	3
W.AV	3	3	3	-	-	-	1	3	1	2	3	3

S –Strong (3), M- Medium (2), L - Low (1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	1	1	1	1
CO2	1	1	1	1	1
CO3	3	3	3	3	3
CO4	2	2	2	2	2
CO5	1	1	1	1	1
W.AV	1.8	1.8	1.8	1.8	1.8

S –Strong (3), M- Medium (2), L - Low (1)

PART – I

SubjectCode	LANGUAGE TAMIL–II	L T P C
• 91521T		4 0 0 3

பொதுத்தமிழ்- 2

தமிழ் இலக்கிய வரலாறு -2

முதலாம் ஆண்டு – இரண்டாம் பருவம்

Course Code	Course Name	category	L	T	P	S	Credits	Ins.Hrs	CIA	Externa	Total
	பொதுத்தமிழ் -2 தமிழ் இலக்கிய வரலாறு -2	Supportive	Y	-	-	-	3	6	25	75	100
Pre-Requisite	பன்னிரெண்டாம் வகுப்பில் தமிழை ஒரு பாடமாகப் பயின்றிருக்க வேண்டும்				SV 2023						

Learning Objectives
• முதலாமாண்டுப் பட்ட வகுப்பு மாணவர்களுக்குத் தமிழ் மொழி இலக்கியங்களை அறிமுகம் செய்தல்
• தமிழ் இலக்கியப் போக்குகளையும், இலக்கணங்களையும் மாணவர் அறியுமாறு செய்து அவர்களின் படைப்பாற்றலைத் தூண்டுதல்
• தமிழ் இலக்கியம் சார்ந்த போட்டித் தேர்வுகளுக்கு ஏற்ப கற்பித்தல் நடைமுறைகளை மேற்கொள்ளுதல்

Expected Course Outcomes	
On the Sucessful completion of the Course, Students will be able to	
இப்பாடத்தைக் கற்பதால் பின்வரும் பயன்களை மாணவர் அடைவர்	
CO 1	சிற்றிலக்கியங்களின்வழி இலக்கியச் சுவையினையும் பண்பாட்டு அறிவினையும் பெறுவர்	K4
CO 2	புதுக்கவிதை வரலாற்றினை அறிந்து கொள்வர்	K5, K6
CO 3	திராவிட இயக்க இலக்கியங்களைக் கற்பதன் மூலம் மொழி உணர்வு , இன உணர்வு, சமத்துவம் சார்ந்த சிந்தனைகளைப் பெறுவர்	K3
CO 4	தமிழ்மொழியைப் பிழையின்றி எழுதவும், புதிய கலைச்சொற்களை உருவாக்கவும் அறிந்து கொள்வர்	K3
CO 5	போட்டித் தேர்வுகளில் வெற்றி பெறுவதற்குத் தமிழ்ப் பாடத்தினைப் பயன்கொள்ளும் வகையில் பயிற்சி பெறுவர்.	K2
K1 - Remember; K2 - Undestand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create	

அலகு-1	தமிழ் இலக்கிய வரலாறு அறிமுகம்.

1. சிற்றிலக்கியம்; குறவஞ்சி, கலம்பகம், உலா, பரணி, பள்ளு, பிள்ளைத்தமிழ், தூது, அந்தாதி.
2. தனிப்பாடல் அறிமுகம்
3. இக்கால இலக்கியம் ;கவிதை, சிறுகதை,நாடகம், உரைநடை. , திராவிட இயக்கம் வளர்த்த தமிழ்.

அலகு-2	சிற்றிலக்கியக்கழும்,தனிப்பாடலும்

சிற்றிலக்கியம்;

- கலிங்கத்து பரணி- விருந்தினரும் வறியவரு நெருங்கி யுண்ணரும் - முதல் - கேட்பாரைக் காண்மின் காண்மின் - வரை
- திருக்குற்றாலக் குறவஞ்சி - வானரங்கள் கனிகொடுத்து
- முக்கூடற் பள்ளு - ஆற்று வெள்ளம் நாளை வரத்
- அபிராமி அந்தாதி- கலையாத கல்வியும் குறையாத வயதும் (பதினாறு செல்வங்கள்)
- திருவரங்கக் கலம்பகம் – மறம் -பிள்ளைப் பெருமாள் ஐயங்கார்-பேசவந்த தூத செல்லரித்த ஓலை செல்லுமோ
- தமிழ்விடு தூது முதல் பத்து கண்ணிகள்

தனிப்பாடல்;

- வான்குருவி யின்கூடு -ஒளவையார்
- ஆமணக்குக்கும் யானைக்கும் சிலேடை ;முத்திருக்கும் கொம்பசைக்கும் மூரித்தண் டே - காளமேகப் புலவர்
- இம்பர் வான் எல்லை இராமனையே பாடி -வீரராகவர்
- நாராய் நாராய் -சத்தி முத்தப் புலவர்

அலகு-3	இக்கால இலக்கியம்- 1

1. பாரதியார் பாரத சமுதாயம் வாழ்கவே
2. பாரதிதாசன் - சிறுத்தையே வெளியில் வா
3. நாமக்கல் கவிஞர்-கத்தியின்றி
4. தமிழ் ஒளி – மீன்கள் (அந்தி நிலா பார்க்க வா)
5. ஈரோடு தமிழன்பன் – எட்டாவது சீர் (வணக்கம் வள்ளுவ)

சிறுகதைகள்;-

1. புதுமைப்பித்தன் - கடிதம்
2. ஜெயகாந்தன் -வாய்ச் சொற்கள் (மாலை மயக்கம் தொகுப்பு)
3. ஆர். சூடாமணி - அந்நியர்கள்

உரைநடை ;

1. மு வ கடிதங்கள் - தம்பிக்கு நூலில் முதல் இரண்டு கடிதங்கள்

அலகு-4	இக்கால இலக்கியம்- 2

1. தந்தை பெரியார் – திருக்குறள்(மாநாட்டு) உரை
2. பேரறிஞர் அண்ணா – இரண்டாம் உலகத் தமிழ் மாநாட்டு உரை
3. கலைஞர் மு. கருணாநிதி – தொல்காப்பிய பூங்கா –எழுத்து -முதல் நூற்பா கட்டுரை

நாடகம் / திரைத்தமிழ் :

1. வேலைக்காரி –திரைப்படம்

	2. ராஜா ராணி -சாக்ரடீஸ் -ஒரங்க நாடகம்

இதழியல் தமிழ் ;

முரசொலி கடிதம்

1. செம்மொழி வரலாற்றில் சில செப்பேடுகள்

அலகு-5	மொழிப் பயிற்சி

சொல் வேறுபாடு / பிழை தவிர்த்தல்

- வாசிப்பது – வாசிப்பவர்
- சுவர்- சுவரில்
- வயிறு - வயிற்றில்
- கோயில்- கோவில்
- கறுப்பு – கருப்பு
- இயக்குநர்-இயக்குனர்
- சில்லறை-சில்லரை
- முறித்தல் – முரித்தல்
- மனம்-மனசு- மனது
- அருகில்-அருகாமையில்
- அக்கரை- அக்கறை
- மங்கலம்- மங்களம்.

பயிற்சி :

- பிழையான சொற்களை ஒரு பத்தியில் கொடுத்து அந்தப் பிழையான சொற்களைச் சரியாக எழுதச் செய்தல்
- சிறிய பத்தி ஒன்றை ஆங்கிலத்தில் கொடுத்து அதனைத் தமிழில் மொழிபெயர்க்க வைத்தல்.

Text books
• .

Reference Books
• மு. வரதராசன், தமிழ் இலக்கிய வரலாறு, சாகித்ய அக்காதெமி, புதுடெல்லி.
• மது. ச. விமலானந்தன், தமிழ் இலக்கிய வரலாறு, மீனாட்சி புத்தக நிலையம், மதுரை.
• தமிழண்ணல், புதிய நோக்கில் தமிழ் இலக்கிய வரலாறு, மீனாட்சி புத்தக நிலையம், மதுரை.
• தமிழ் இலக்கிய வரலாறு –முனைவர்.சிற்பி பாலசுப்ரமணியம், முனைவர்.சொ.சேதுபதி
• புதிய தமிழ் இலக்கிய வரலாறு– முனைவர்.சிற்பி பாலசுப்ரமணியம்,நீல.பத்மநாபன்
• தமிழ் இலக்கிய வரலாறு - டாக்டர்.அ.கா.பெருமாள்
• தமிழ் இலக்கிய வரலாறு –முனைவர். ப.ச.ஏசுதாசன்
• தமிழ் இலக்கிய வரலாறு - ஶ்ரீ குமார்

• வகைமை நோக்கில் தமிழ் இலக்கிய வரலாறு–பாக்கியமேரி
• தமிழ் பயிற்றும் முறை, பேராசிரியர் ந. சுப்புரெட்டியார் - மணிவாசகர் பதிப்பகம், சிதம்பரம்
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

Web Sources
• https://www.chennailibrary.com/
• https://www.sirukathaigal.com
• https://www.tamilvirtualuniversity.org
• https://www.noolulagam.com
• https://www.katuraitamilblogspot.com

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	1	2	-	-	-	-	2	1	1	3	2
CO2	1	1	2	-	-	-	-	2	1	1	3	2
CO3	1	1	3	-	-	-	-	3	1	1	3	2
CO4	1	1	2	-	-	-	-	2	1	1	3	2
CO5	1	1	3	-	-	-	-	3	1	1	3	2
W.AV	1	1	2.4	-	-	-	-	2.4	1	1	3	2

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	1	2	2	2
CO2	-	1	2	2	2
CO3	-	1	2	2	2
CO4	-	1	2	2	2
CO5	-	1	2	2	2
W.AV	-	1	2	2	2

S–Strong (3), M-Medium(2), L -Low(1)

PART – I

PAPER-I

SubjectCode	LANGUAGE-	LTPC
• 91521F	**FOUNDATION COURSE: FRENCH–II**	**4 00 3**

COURSEOBJECTIVES:

➢ Understand and apply the grammatical concepts in drafting sentences and paragraphs
➢ Apply the rules and regulations to effectively employ past tense
➢ Practice exercises and identify errors
➢ Explain and summarize a French document such as posters, bulletins, info graphics, etc.
➢ Demonstrate knowledge of various expressions used to convey opinion, emotions, cause, effect, purpose, and hypothesis in French
➢ Build up on acquired writing and communication skills to develop them

UNITI

C'estoù?

UNITII

N'oubliezpas

UNITIII

Bellevuesur lamer

UNITIV

Quelbeau voyage

UNITV

Oh joli

Etaprès

TEXT BOOKS AND REFERENCE BOOKS:

Reading List (Print and Online)

1. RégineMérieux&YvesLoiseau,*Latitudes*-1-(A1/A2),méthodedefrançais,Didier, 2017(units 7-12 only)

COURSE OUTCOMES:

On successful completion of this course, the student will be able to		Knowledge Level
CO1	Revise and re call the French sentence structure	L2
CO2	Enumerate the various grammatical tenses and use them to Communicate better in French	L3
CO3	Summarize and develop ideas from the documents after discussing It in detail	L2 &L3
CO4	Analyze and interpret verbal expressions of cause, effect, purpose, And opposition in French	L4
CO5	Evaluate and comprehend text passages	L5

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	1	2	-	-	-	-	2	1	1	3	2
CO2	1	1	2	-	-	-	-	2	1	1	3	2
CO3	1	1	3	-	-	-	-	3	1	1	3	2
CO4	1	1	2	-	-	-	-	2	1	1	3	2
CO5	1	1	3	-	-	-	-	3	1	1	3	2
W.AV	1	1	2.4	-	-	-	-	2.4	1	1	3	2

S–Strong (3), M-Medium(2), L -Low(1) Mapping Course

Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	1	2	2	2
CO2	-	1	2	2	2
CO3	-	1	2	2	2
CO4	-	1	2	2	2
CO5	-	1	2	2	2
W.AV	-	1	2	2	2

S–Strong (3), M-Medium(2), L -Low(1)

PART – I
PAPER–I
(Kahani, Ekankiaur Vyakran)

Subject Code	LANGUAGE–	LTPC
91521**H**	**GENERAL HINDI–II**	**4 00 3**

COURSEOBJECTIVES:

1. Introduction to Hindi fiction

2. Teaching of social values through stories and skits

3. Practical application of grammar

Unit I   **Hindi Katha- Sahitya: Parichay**   **9 Hours**

- KahanikeTatva
- HindikePramukhkahanikarokaParichay
- EkankikeTattva
- HindikePramukh EkankikarokaParichay

Unit II   **Hindi Kahaniya**   **9 Hours**

- Premchand– BadeGharkiBeti
- MalathiJoshi – VoTeraGhar YahMeraGhar
- Pita-Gyanranjan

Unit III   **Hindi Ekanki**   **9 Hours**

- LakshmikaSwagat –UpendranathAshk
- Vibhajan– Vishnu Prabhakar
- MaaBaap–Sri Vishnu

Unit IV   **Vyakaran**   **9 Hours**

- KriyaVisheshan
- SambandhBodhak
- SamuchayBodhak
- VismayadiBodhak aadi shabdoka prayog

Unit V   **PratiyogiParikshaparaadharitNimnalikhitVishayosesambandhit Prashikshan Karya**   **9 Hours**

- TamilBhasha:Mahakavi Bharatiyar
- SanketVikasdwara LekhankalaaurKahani Lekhanka Vikas
- GadyanshdekhkarsahiShirshakchunna
- PathitVyakaranparaadharitVakya rachna
- VibhinnaPratiyogiparikshaokebaremeinsuchnapradan dena

Total:45 Hours

TEXT BOOKS AND REFERENCE BOOKS:
1. AathEkankiNatak–Ed. Dr.RamkumarVerma
2. DasEkanki

COURSE OUTCOMES:

CO1	Get an introduction to Hindi fiction.	K2
CO2	Social values are taught through stories.	K3;K4
CO3	Development of critical ability through	K5
CO4	Get an introduction to Hindi fiction.	K2; K3
CO5	Social values are taught through stories.	K3; K4
K1-Remember; K2-Understand; K3-Apply;K4-Analyze; K5-Evaluate; K6-Create		

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	1	2	-	-	-	-	2	1	1	3	2
CO2	1	1	2	-	-	-	-	2	1	1	3	2
CO3	1	1	3	-	-	-	-	3	1	1	3	2
CO4	1	1	2	-	-	-	-	2	1	1	3	2
CO5	1	1	3	-	-	-	-	3	1	1	3	2
W.AV	1	1	2.4	-	-	-	-	2.4	1	1	3	2

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	1	2	2	2
CO2	-	1	2	2	2
CO3	-	1	2	2	2
CO4	-	1	2	2	2
CO5	-	1	2	2	2
W.AV	-	1	2	2	2

S–Strong (3), M-Medium(2), L -Low(1)

Related Online Contents (MOOCs, SWAYAM, NPTEL, YouTube, Websites, etc.)

1. LokpriyaKahaniya:https://www.hindwi.org/sangrahaalay/100-best-stories-in-hindii

2. Vo Tera Ghar Ye Mera Ghar :
http://gadyakosh.org/gk/%E0%A4%B5%E0%A5%8B_%E0%A4%A4%E0%A5%87%E0%A4%B0%E0%A4%BE_%E0%A4%98%E0%A4%B0,_%E0%A4%AF%E0%A5%87_%E0%A4%AE%E0%A5%87%E0%A4%B0%E0%A4%BE_%E0%A4%98%E0%A4%B0_/_%E0%A4%AE%E0%A4%BE%E0%A4%B2%E0%A4%A4%E0%A5%80_%E0%A4%9C%E0%A5%8B%E0%A4%B6%E0%A5%80

3. https://hindistory.net/

Subject Code	LANGUAGE–	LTPC
91521M/ 91521TU/ 91521A/ 91521S	OTHERLANGUAGES-II	4 00 3

PART-II

SubjectCode 91522	PAPERII–GENERAL ENGLISH-II	LTPC 4 00 3

COURSEOBJECTIVES:

> To make students realize the importance of resilience

> To enable them to become good decision makers

> To enable them to imbibe problem-solving skills

> To enable them to use tenses appropriately

> To help them use English effectively at the work place

UNITI   RESILIENCE   **20 Hours**

Poem

Don'tQuit–EdgarA.Guest

StillHere– LangstonHughes

Short Story

Engine Trouble – R.K. NarayanH

RipVanWinkle– Washington Irving

UNIT II   DECISION MAKING   **20 Hours**

Short Story

The Scribe– Kristin Hunter

The Lady or theTiger - Frank Stockton

Poem

The Road not Taken – Robert Frost

Snake– D. H Lawrence

UNIT III   PROBLEM SOLVING   **20 Hours**

Prose life Story

How I taught My Grandmother to Read– Sudha Murthy

Autobiography

How frog Went to Heaven – A Tale of Angolo

Wings of Fire (Chapters1,2,3) by A.P.J Abdul Kalam

UNITIV   TENSES   **15 Hours**

   Present
     Past
   Future
Concord

UNITV   ENGLISH IN THE WORK PLACE   **15 Hours**

       E-mail– Invitation, Enquiry, Seeking Clarification

       Circular

       Memo

       Minutes of the Meeting

                                                     TOTAL:90 Hours

COURSE OUTCOMES:

On successful completion of this course, the student will be able to	Knowledge Level
CO1 Realize the importance of resilience	L2
CO2 Become good decision- makers	L4
CO3 Imbibe problem-solving skills	L3
CO4 Use tenses appropriately	L3
CO5 Use English effectively at the work place.	L3

TEXT BOOKSB :

1. Martin Hewings.Advanced English Grammar.Cambridge University Press,2000

2. SP Bakshi, Richa Sharma. Descriptive English. Arihant Publications (India) Ltd., 2019.

3. Sheena Cameron, Louise Dempsey. The Reading Book : A Complete Guide to Teaching Reading. S & L. Publishing, 2019.

4. Barbara Sherman. Skimming and Scanning Techniques, Liberty University Press,2014.

5. Phil Chambers. Brilliant Speed Reading: What every one need to read, however. Pearson, 2013.

6. Communication Skills: Practical Approach Ed.Shaikh Moula

WEBLINK:

1. Langston Hughes. Still Here https://poetryace.com/im-still-here

2. R. K. Narayan. Engine Trouble
   http://www.sbioaschooltrichy.org/work/Work/images/new/8e.pdf

3. Washington Irving. Rip Van Winkle https://www.gutenberg.org/files/60976-h/60976-h.htm

4. Frank Stockton. The Lady or the Tigerhttps://www.gutenberg.org/ebooks/396

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	1	2	-	-	-	-	2	1	1	3	2
CO2	1	1	2	-	-	-	-	2	1	1	3	2
CO3	1	1	3	-	-	-	-	3	1	1	3	2
CO4	1	1	2	-	-	-	-	2	1	1	3	2
CO5	1	1	3	-	-	-	-	3	1	1	3	2
W.AV	1	1	2.4	-	-	-	-	2.4	1	1	3	2

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	1	2	2	2
CO2	-	1	2	2	2
CO3	-	1	2	2	2
CO4	-	1	2	2	2
CO5	-	1	2	2	2
W.AV	-	1	2	2	2

S–Strong (3), M-Medium(2), L -Low(1)

CORE COURSE – THEORY– III

Subject Code: 91523	PRINCIPLES OF AIRLINE AND AIRPORT MANAGEMENT	L T P C
		6 0 0 5

COURSEOBJECTIVES:

> ➢ To understand about the history of aviation and its evolution
>
> ➢ To study about the functions of Ground handling agent
>
> ➢ To learn about the Airport Terminal Management
>
> ➢ To know about the Airport operations

UNIT– 1   Evolution of Aviation   15 Hours

History of Aviation – Development of Air transportation in India – Major players in Airline Industry–SWOT analysis in Airline Industry- Market potential of Indian Airline Industry—Current challenges in Airline Industry – Competition in Indian Airline Industry – Aviation Organisations: IATA, ICAO, MoCA, DGCA, AAI

UNIT– 2   Ground Handling Agent   15 Hours

Ramp Services: Ground Handling Agencies and Documents – Aircraft Handling – Catering Planning – Aircraft Fleet and its Maintenance – Ground Handling Agreements – Scheduling and Approvals – Crew Management and Documentation

UNIT– 3   Airport Terminal Management   10 Hours

Airport operator – Passengers Terminal Management: Domestic – Passengers Terminal Management: International – Cargo Terminal: Domestic and International – Airside Management: Ground and Flight safety

UNIT– 4   Travel and Tour Operations   20 Hours

International tour and travel management – Tour Operators – Travel Agents and their role – The Hotel Industry – Tourist Attractions: Global and Indian- Elements of Tour Operations.

UNIT– 5   Airport Operations   15 Hours

Airport operations – Airport planning – Operational area and Terminal planning, design,and operation – Airport – Operations – Airport functions – Organization structure of Airline and Airports sectors – Airport Authorities – Global and Indian scenario of Airport management

Total:75Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	To gain insight into the historical development of aviation and understand the Indian aviation landscape in a new light.	**L2**
CO2	To grasp the significance of international aviation governance through ICAO & IATA.	**L2**
CO3	To unravel aboutAirport Management and Operations.	**L2**
CO4	To interpret about Travel and Tourism Sector with Aviation Industry and to learn about the roles and responsibilities of Travel Agents.	**L2**
CO5	To learn about the Airport operational area, Organisation structure and Indian scenario of Airport Management.	**L2**

TEXT BOOKS:

1. Airline & Airport Operations – EdissaUwayo,Notion Press, 2016.

REFERENCE BOOKS:

1. Networks in Aviation: Strategies & Structures – Philipp Goedeking, Springer Publications, 2014.

2. Airline Organization in the 1980s:An Industry Report on Strategies and Structures for Coping with Change – James J. Lynch, Palgrave Macmillan, 1984.

3. Airline Airport & Tourism Management: Aviation Manual,Dr. Summet Suseelan,2019,Notion Press

4. AIRLINE OPERATIONS AND MANAGEMENT A MANAGEMENT TEXTBOOK, Cook.G.N,2017, Rout ledge

Mapping Course Outcomes Vs Programme Outcomes

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	-	-	2	2	1	1	0	1	1	-	1
CO2	2	1	1	1	2	1	1	0	1	1	-	1
CO3	2	1	1	3	2	2	2	1	2	2	1	1
CO4	-	1	1	1	-	-	-	1	2	2	2	1
CO5	1	1	1	3	2	2	1	1	1	1	1	1
W.AV	**1.2**	**08**	**08**	**2**	**1.6**	**1.2**	**1**	**0.6**	**1.4**	**1.4**	**0.8**	**1**

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	1	2	1
CO2	2	1	1	1	1
CO3	2	1	1	2	1
CO4	-	-	3	1	1
CO5	2	2	1	2	2
W.AV	1.6	1.2	1.4	1.6	1.2

S–Strong (3), M-Medium(2), L -Low(1)

CORE COURSE – THEORY– IV

Subject Code: 91524	BASICS OF AVIATION INDUSTRY	L T P C
		6 0 0 5

COURSE OBJECTIVES:

➢ To understand about the evolution and overview of Aviation Industry
➢ To learn about the various organisations in Aviation Industry
➢ To study about complete passenger handling in aviation
➢ To get knowledge about Airport Crisis

UNIT– 1   Aviation Industry- An Overview   15

The Evolution of Aviation – Growth Drivers – Issues and Challenges – Global Aviation Industry – Aviation Industry in India – Aircraft Types and Structures – Aircraft Manufacturers

UNIT– 2   Airport and Aviation Organisation   15

Airports – Types of Airport: Civil, Military, Heliport – Domestic/International – Passenger/Cargo Terminals – World Airlines – World's Major Airports – National Aviation Authorities & Role of State and Central Governments – BCAS – CISF

UNIT– 3   Passenger Handling   15

Layout of an Airport & Ground Handling – Airport & Aircraft Security – Managerial Operations – Scope of Ground Handling Activities - Airline Catering & Various Bodies Handling of Unaccompanied minors and Disabled Passengers – Handling of Stretcher Passengers and Human Remains – Handling of CIP, VIP & VVIP

UNIT– 4   Airport Standard Operations   15

Airport Services – Standard Operations – Ramp Services & Airside Safety – Freight Warehouse Management – Airline Terminal Management – Flight Information Counter/ Reservation and Ticketing – Check-In/ Issue of Boarding pass –Customs and Immigration formalities – Co-ordination – Security Clearance-Baggage

UNIT– 5   Airport Crisis   15

Various Crisis at Airport – SOP for Bomb Threat – Mitigating Hijack Crisis Situation – Response to Acts of Unlawful Interference: Developing Plans – Investigation Methods & Procedures – Troubleshooting the issues – Handling Situational Awareness.

Total: 75 Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	This course aims to delve into Evolution and to gain insight into the ever-evolving aviation industry.	**L1**
CO2	This course is made to elevate student's understanding on types of airports and its functions and understanding an airport's layout and how ground handling is done.	**L2**
CO3	This course is designed to comprehend how airport security is carried out and to understand passenger needs and other airline services.	**L2**
CO4	To gain insight into airline terminal management and to understand its operations.	**L2**
CO5	To bring about an understanding of situational awareness and crisis management at airports.	**L3**

TEXT BOOKS:
1. Basic Airport Management, Dr.Arjun Singh (author), June 2022(edition), Zorba Books
2. Airline and Airport Operations, Edissa Uwayo (author), January 2016 (edition), Notion Press

REFERENCE BOOKS:
1. Airport Planning and Management, Seth Young, Alexander T. Wells (authors), 2011 (edition), McGraw Hill Education.
2. Airline Airport and Tourism Management, Dr.Sumeet Suseelan (author), August 2019 (edition), Notion Press
3. Airport Management, C. Daniel Prather (author), October 2015 (edition), Aviation Supplies & Academics Inc
4. Customer Relationship Management, Francis & Stan Maklan Buttle (authors), January 2019(edition), T&F India
5. Business and Corporate Aviation Management, John J. Sheehan (author), May 2013 (edition), Mc Graw-Hill Professional

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	1	1	2	1	1	1	-	-	1
CO2	1	1	1	2	3	1	1	-	1	-	-	1
CO3	1	1	1	1	1	1	1	1	1	1	1	1
CO4	1	1	1	2	2	2	2	1	1	1	1	1
CO5	1	1	1	1	1	1	1	1	1	1	1	1
W.A V	1	1	1	1.4	1.6	1.4	1.2	0.8	1	0.6	0.6	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	1	2	2
CO2	1	1	1	2	1
CO3	1	1	1	2	2
CO4	1	1	1	2	2
CO5	1	2	1	1	1
W.AV	1.2	1.4	1	1.8	1.6

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91525	BUSINESS LAW	L T P C
		6 0 0 4

COURSE OBJECTIVES:

- ➢ To learn about the law of contract in business

- ➢ To study about the sale of goods act

- ➢ To analyse about the companies act in India

- ➢ To know about the terms of contracts

UNIT– 1   Introduction to Law of Contract   20 Hours

Legal environment and business – Forms of business & Organisation – Indian contract – performance of contract – Offer and Acceptance – Capacities of the parties to create contract – Consideration.

UNIT– 2   Sale of Goods Act   10 Hours

Sale of goods Act – Transfer of property from buyer and seller – Law of Agency – relation of principal and agency – Personal liabilities of agents – Termination of agency.

UNIT– 3   Companies Act of India   10 Hours

Indian Companies Act – Definition – Kinds – Incorporation of Companies – Memorandum of association articles of Association and Articles of Association – Certificate of Incorporation – Prospectus.

UNIT– 4   Trade Practice & Introduction to SEBI   10 Hours
Monopolies and Trade restrictive practices Act – Securities Exchange Board of India Act – Custom and Central Excise Act – Central and States Sales Tax Act – Trade & Investment.

UNIT– 5   Terms of Contract   10 Hours

Foreign Exchange Management Act – Patent Act. Intellectual Property Right – Consumer Protection Act - Essentials of agreements – Void and voidable and illegal contract – Breach of contract – Remedies.

TOTAL: 60 Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	To help the students to understand basic rules of Indian contract 1872, and handle basic rules of offer, acceptance, consideration and capacity of parties.	**L2**
CO2	To stimulate the knowledge of sale of goods, transfer of property from buyer and seller, to understand the relation of principal of agency and termination of agency.	**L1**
CO3	To impart the knowledge of individual companies to understanding MOA, AOA certificate of Incorporations prospectus.	**L1**
CO4	Exploring the different acts related to the business organization and knowing the remedies for the breach of contract.	**L4**
CO5	To impart the students various kinds of acts like, patent act, consumer production act, IP act and essentials of agreements.	**L2**

TEXT BOOKS:

1. Business Laws – Priyanka Raychaudhuri, Notion Press,2021
2. Business Laws– Sujit Kumar Das, Pankaj Kumar Roy, Oxford University Press, 2017.

REFERENCEBOOKS:

1. Business Law-N.D.Kapoor, Sultan Chand & Sons,2019
2. Business Law -J.Jayashankar, Margam Publications,2018
3. Business Law–P.C.Tulsian, Bharat Tulsian, Mc Graw Hill Education, 2017.
4. Business Law–M.C.Kuchchal, Vivek Kuchchal, Vikas Publishing House, 2013.

Mapping Course Outcomes Vs Programme Outcomes

CO /PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	-	-	1	1	1	1	1	1	1	1
CO2	1	1	1	1	1	1	1	1	1	1	1	1
CO3	1	1	1	-	-	1	1	1	1	1	1	1
CO4	1	1	1	-	-	1	1	1	1	1	1	1
CO5	1	1	1	1	-	1	1	1	1	1	1	1
W.A V	1	1	0.8	0.4	0.4	1	1	1	1	1	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	1	2	1	1
CO2	2	2	2	1	1
CO3	1	1	1	1	1
CO4	1	1	1	1	1
CO5	1	1	1	1	1
W.AV	1.4	1.2	1.4	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91526	ENVIRONMENTAL STUDIES	L T P C
		0 0 2 2

COURSEOBJECTIVES:

➢ To make students realize the importance and their role in the protection and maintenance of a healthy environment for sustainable development.

➢ To enable students to grasp the significance and issues related to ecosystems, biodiversity and natural resources, and ways of managing/ protecting them.

➢ To enable students to have a nuanced understanding of environmental pollution, solid waste management and climate change and to act with concern on environmental issues.

➢ To make students aware of the environmental policies and movements, and the role of individuals and communities in environmental protection for educating and inspiring the young minds.

Unit-1 Multi disciplinaory Nature of Environmental Studies, Natural Resources   6 Hours

Definition, scope and importance, need for public awareness. Renewable and non-renewable resources - Natural resources and associated problems. a) Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest and tribal people. b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies. d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. e) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources. Case studies. f) Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification - Role of an individual in conservation of natural resources- Equitable use of resources for sustainable lifestyles.

Unit-2   Eco systems, Bio diversity and Its Conservation   6 Hours

Concept of an ecosystem. - Structure and function of an ecosystem Producers, consumers and Decomposers. –Energy flow in the ecosystem. Ecological succession. - Food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structure and function of the following ecosystem: a) Forest eco system b) Grassland ecosystem c) Desert ecosystem d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries) Introduction–Definition, genetic, species and ecosystem diversity. Biogeographical classification of India, Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values - Biodiversity at global, National and local levels. Inida as a mega-diversity nation. Hot-sports of biodiversity. Threats to biodiversity: habit at loss, poaching of wildlife, man-wild life conflicts. Endangered and endemic species of India. Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

Unit-3 Environmental Pollution   6 Hours

Definition, Cause, effects and control measures of a) Air pollution b) Water pollution c)

Soil pollution d) Marine pollution e) Noise pollution f) Thermal pollution g) Nuclear hazards. Solid waste Management. Causes, effects and control measures of urban and industrial wastes. Role o fan individual in prevention of pollution. Pollution case studies. Disaster management- floods, earthquake, cyclone and landslides.

Unit-4 Social Issues and the Environment   6 Hours

From Unsustainable to Sustainable development, Urban problems related to energy – Water conservation, rain water harvesting, water shed management- Resettlement and rehabilitation of people; its problems and concerns. Case Studies - Environmental ethics: Issues and possible solutions. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case Studies. Wasteland reclamation. Consumerism and waste products. Environment Protection Act, Air (Prevention and Control of Pollution) Act, Water (Prevention and control of Pollution) Act, Wildlife Protection Act, Forest Conservation Act - Issues involved in enforcement of environmental legislation. Public awareness.

Unit-5   Human Population and the Environment in Airport   6 Hours

Population growth, variation among nations. Population explosion – Family Welfare Programme. Environment and human health. Human Rights. Value Education. HIV/AIDS. Women and Child Welfare. Role of Information Technology in Environment and human health. Case Studies. Field work - Visit to a local area to document environmental assets river/ forest/ grass land/ hill/ mountain, Visit to a local polluted site-Urban/ Rural/ Industrial/ Agricultural, Study of common plants, insects, birds, Study of simple ecosystems-pond, river, hill slopes, etc.

Total:30 Hours

COURSE OUTCOMES:

On successful completion of this course, the student will be able to;		Knowledge Level
CO1	Explain the various types of natural resources.	**L5**
CO2	To find and implement scientific, technological, economic solutions to environmental problems.	**L5**
CO3	To know about the inter relationship between living organisms and environment.	**L5**
CO4	To understand the integrated themes and biodiversity, natural resources, pollution control and waste management.	**L2**
CO5	To appreciate the importance of environment by assessing its impact on The human world.	**L1**

TEXT BOOKS:
1. DeAK, Environmental Chemistry,Wiley Eastern Ltd.
2. Bharucha Erach, 2003.The Biodiversity of India, Mapin Publishing Pvt.Ltd, India.
3. Brunner RC, 1989, Hazardous Waste Incineration, McGrawHillInc.
4. ClarkRS, Marine Pollution, Clanderson Press,Oxofrd(TB).

REFERENCE:

1. Agarwal KC, 2001. Environmental Biology, Nidi Publishers Ltd. Bikaner.
2. Gleick HP, 1993. Water in Crisis, Pacific Institute for Studies in Development, Environment and Security. Stockholm Environmental Institute, Oxford University Press.
3. Heywood VH, and Watson RT, 1995 global Biodiversity Assessment. Cambridge University Press.
4. Jadhav H and Bhosale VM, 1995. Environmental Protection and Laws. Himalaya Publishing House, Delhi.
5. Miller TG,Jr. Environmental Science, Wadsworth Publishing CO. (TB).

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	1	2	1	1	1	1	1	2	1	1	2
CO2	1	1	2	1	1	1	1	1	2	1	1	2
CO3	1	1	2	1	1	1	1	1	3	1	1	2
CO4	1	1	2	1	1	1	1	1	2	1	1	2
CO5	1	1	2	1	1	1	1	1	2	1	1	2
W.AV	1	1	2	1	1	1	1	1	2.2	1	1	2

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	1	1	1	1
CO2	1	1	1	1	1
CO3	1	1	1	1	1
CO4	1	1	1	1	1
CO5	1	1	1	1	1
W.AV	1	1	1	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code	LANGUAGE-TAMIL– III	LTPC
• 91531**T**		**4 00 3**

பொதுத்தமிழ் -3

தமிழக வரலாறும் பண்பாடும்

இரண்டாம் ஆண்டு – மூன்றாம் பருவம்

Course Code	Course Name	category	L	T	P	S	Credits	Ins.Hrs	CIA	External	Total
	பொதுத்தமிழ் -3 தமிழக வரலாறும் பண்பாடும்	Supportive	Y	-	-	-	3	6	25	75	100

Pre-Requisite	பன்னிரெண்டாம் வகுப்பில் தமிழை ஒரு பாடமாகப் பயின்றிருக்க வேண்டும்	SV 2023	

Learning Objectives

- தமிழக வரலாற்றை அறிந்துகொள்ளுதல்.
- தமிழரின் வாழ்வியல் தொன்மையை அறிதல்.
- தமிழரின் பண்பாட்டினை அறிந்துகொள்ளல்.
- தமிழர்மேல் நிகழ்ந்த பிற பண்பாட்டுத் தாக்கங்களை அறிதல்.
- தமிழ் இலக்கியம் சார்ந்த போட்டித் தேர்வுகளுக்கு ஏற்ப கற்பித்தல் நடைமுறைகளை மேற்கொள்ளுதல்

Expected Course Outcomes

On the Sucessful completion of the Course, Students will be able to

இப்பாடத்தைக் கற்பதால் பின்வரும் பயன்களை மாணவர் அடைவர்

CO 1	தமிழக வரலாற்றை அறிந்துகொள்வர்.	K4
CO 2	தமிழரின் வாழ்வியல் தொன்மையை அறிவர்.	K5, K6
CO 3	தமிழரின் பண்பாட்டுக் கூறுகளை அறிந்துகொள்வர்	K3
CO 4	பிற பண்பாட்டுத் தாக்கம் மற்றும் அணுகுமுறைகளை அறிவர்.	K3
CO 5	மொழிப்பயிற்சிக்குத் தேவையான இலக்கணங்களைக் கற்பர்.	K2

K1 - Remember; K2 - Undestand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

அலகு-1	தொல் பழங்கால வரலாறும் சங்ககால வரலாறும்

1. தொல் தமிழர்
2. பழைய கற்காலம்
3. புதிய கற்காலம்
4. உலோகக் காலம்
5. அகழ்வாராய்ச்சியில் தமிழும் தமிழரும் (கீழடி வரை)
6. திணை வாழ்வியல் (களவு வாழ்க்கை, கற்பு வாழ்க்கை, உணவு, அணிகலன்கள், வாணிகம்,விளையாட்டுகள்)
7. கல்வியும், கலைகளும்
8. தமிழ் வளர்த்த சங்கம்
9. சங்க கால ஆட்சி முறை

10 . அயல்நாட்டுத் தொடர்புகள்

அலகு-2	ஆட்சியர் வரலாறு

1. மூவேந்தர் வரலாறு
2. பல்லவர் வரலாறு
3. நாய்க்கர் ஆட்சி
4. முகம்மதியர் ஆட்சி
5. மராட்டியர் ஆட்சி

அலகு-3	ஐரோப்பியர் கால வரலாறு

1. போர்த்துக்கீசியர்
2. டச்சுக்காரர்கள்
3. டேனிஸ்காரர்கள்
4. பிரெஞ்சுக்காரர்கள்
5. ஆங்கிலேயர்கள்
6. பாளையக்காரர்கள்
7. இந்திய விடுதலைப் போராட்டத்தில் தமிழ்நாடு

அலகு-4	விடுதலைக்குபின் தமிழ்நாட்டு வரலாறு

7. மொழிப்போராட்டம்
8. சமூக மறுமலர்ச்சி
9. தொழில்நுட்ப வளர்ச்சி

அலகு-5	மொழிப்பயிற்சி

* நிறுத்தக் குறிகள்
* கலைச்சொற்கள்
* மொழிபெயர்ப்பு

பயிற்சி :ஆங்கிலக் கலைச் சொற்களைக் கொடுத்து அவற்றைத் தமிழில் மொழிபெயர்க்கச் செய்தல்.

Text books

- தமிழக வரலாறும் பண்பாடும் - கே.கே. பிள்ளை, உலகத் தமிழாராய்ச்சி நிறுவனம், சென்னை,
- தமிழர் நாகரிகமும் பண்பாடும் - அ. தட்சிணாமூர்த்தி, யாழ் வெளியீடு, சென்னை,.
- தமிழக வரலாறும் பண்பாடும் - வே.தி. செல்லம், மணிவாசகர் பதிப்பகம், சென்னை,
- ஆதிச்சநல்லூர் முதல் கீழடி வரை நுவேதா லூயிஸ், கிழக்குப் பதிப்பகம், சென்னை.
- பண்பாட்டு மானிடவியல் - பக்தவத்சல பாரதி, அடையாளம் பதிப்பகம், திருச்சி.
- .தமிழர் மேல் நிகழ்ந்த பண்பாட்டுப் படையெடுப்புகள், க.ப. அறவாணன், தமிழ்க்கோட்டம், சென்னை.

Reference Books

- தமிழக சமுதாய பண்பாட்டு கலை வரலாறு - கு. சேதுராமன், என்.சி.பி.எச், சென்னை,
- தமிழர் கலையும் பண்பாடும் - அ.கா. பெருமாள், என்.சி.பி.எச், சென்னை.
- ஒரு பண்பாட்டின் பயணம்: சிந்து முதல் வைகை வரை - ஆர். பாலகிருஷ்ணன், ரோஜா முத்தையா ஆராய்ச்சி நூலகம், சென்னை.
- தமிழும் பிற பண்பாடும் - தெ.பொ. மீனாட்சி சுந்தரனார், நியூ செஞ்சுரி புக் ஹவுஸ், சென்னை
- தமிழர் வரலாறும் பண்பாடும் - நீலகண்ட சாஸ்திரி, ஸ்ரீசெண்பகா பதிப்பகம், சென்னை
- தமிழர் வரலாறும் தமிழர் பண்பாடும் - மா.இராசமாணிக்கனார்
- தமிழர் நாகரிக வரலாறு - க.த.திருநாவுக்கரசு, தொல்காப்பியர் நூலகம், சென்னை.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

Web Sources

- https://www.chennailibrary.com/
- https://www.sirukathaigal.com
- https://www.tamilvirtualuniversity.org
- https://www.noolulagam.com
- https://www.katuraitamilblogspot.com

Mapping Course Outcomes Vs Programme Outcomes

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	3	2	-	-	-	-	2	-	1	1	2
CO2	1	3	2	-	-	-	-	2	-	1	1	2
CO3	1	3	2	-	-	-	-	2	-	1	1	2
CO4	1	3	2	-	-	-	-	2	-	1	1	2
CO5	1	3	2	-	-	-	-	2	-	1	1	2
W.AV	1	3	2	-	-	-	-	2	-	1	1	2

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	-	1	2	2
CO2	-	-	1	2	2
CO3	-	-	1	2	2
CO4	-	-	1	2	2
CO5	-	-	1	2	2
W.AV	-	-	1	2	2

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code 91531**F**	LANGUAGE- FOUNDATION COURSE: FRENCH – III TRANSLATION,COMPREHENSIONAND GRAMMAR–I	LTPC 4 00 3

COURSEOBJECTIVES:

➢ Identify and appreciate the construction and the structure of different tenses and sentences
➢ Translates impletexts
➢ Draft and summarize literary texts
➢ Apply the grammatical rules to express one' side as using different tenses
➢ Analyze literary texts with respect to their structure and composition

UNITI   **9Hours**

Lesfeuillesmortes Le

Vrai Père

Lespronomsrelatifs

UNITII   **9Hours**

Nos études

Demaindèsl'aube

Lepassécomposé

UNITIII   **9Hours**

Parunejournéed'été

L'imparfait

LePlus-que-parfait

UNITIV   **9Hours**

Unevisiteinattendue Le

subjonctif

Le conditionnel

UNITV   **9Hours**

L'hiverLe

libraire

La comparaison

                                                                                                   Total:45Hours

TEXT BOOKS AND REFERENCE BOOKS:

Reading List (Print and Online)

1. K.Madanagobalane & N.C.Mirakamal, Lefrançaisparlestextes, Chennai, Samhita Publications – Goyal Publisher & Distributors Pvt Ltd, 2017

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to	Knowledge Level
CO1	Understand the structure and use of the different grammatical tenses	K2
CO2	Translate texts and examine them	K2andK4
CO3	Draft summaries of literary texts	K2andK6
CO4	Identify the requirement and employ the different grammatical tenses	K3
CO5	Analyze and critically assess the literary texts	K4andK5

Mapping Course Outcomes Vs Programme Outcomes

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	3	2	-	-	-	-	2	-	1	1	2
CO2	1	3	2	-	-	-	-	2	-	1	1	2
CO3	1	3	2	-	-	-	-	2	-	1	1	2
CO4	1	3	2	-	-	-	-	2	-	1	1	2
CO5	1	3	2	-	-	-	-	2	-	1	1	2
W.AV	**1**	**3**	**2**	**-**	**-**	**-**	**-**	**2**	**-**	**1**	**1**	**2**

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	-	1	2	2
CO2	-	-	1	2	2
CO3	-	-	1	2	2
CO4	-	-	1	2	2
CO5	-	-	1	2	2
W.AV	-	-	1	2	2

S–Strong (3), M-Medium(2), L -Low(1)

PART – I
PAPER–I
(Patra LekhanaurParibhashik Shabdavali)

Subject Code	LANGUAGE–	LTPC
91531**H**	GENERALHINDI–III	**4 00 3**

COURSE OBJECTIVES:

1. Getting knowledge regarding Personal letter writing in Hindi

2. Social letters in Hindi

3. Business letters in Hindi

4. Official Letters in Hindi

5. Know about Technical Words

Unit I	**NijiPatraLekhan**	**9 Hours**

- NijiPatra– Arthaur Bhed
- Pitaji/Matajikenaampatra
- Mitra,Bhaiaadikenaampatra
- ParibhashikShabdawali -Prashasanik

Unit II	**SamajikPatraLekhan**	**9 Hours**

- SamajikPatra– Arthaur Bhed
- AavedanPatra–Noukri,Chuttiaadi
- DakAdhikarikenaampatra
- Nagarpalikakenaampatra
- Parivahanpradhikarankenaampatra
- Paribhashikshabdawali- vidhi

Unit III	**VyavasayikPatra Lekhan**	**9 Hours**

- VyavasayikPatra–Arth aurBhed
- Prakashakkenaampatra
- Pooch-Taach
- Shikayathi
- Kshatipoorthiaadivishyoparpatra lekhan
- Paribhashikshabdavali– Padnamvamantralayokenaam

UnitIV	**Samanya Parichay**	**9 Hours**

- Samanya Parichay
- Sarkari Patra
- Ardh-SarkariPatra
- Gyapan,Paripatra
- Anusmarak
- Adhisuchna

- ➢ Avedan
- ➢ Paribhashik Shabdavali - Banking

Unit V   **PratiyogiParikshaparadharitPatracharseSambandhitPrashikshanKarya**

         9 Hours

- ➢ PraroopbananakaPrashikshan dena
- ➢ TippanlikhnekaPrashikshan Dena
- ➢ Vibhinnapratiyogiparikshaokebaremeinsuchnapradan dena

         Total:45 Hours

TEXTBOOKSANDREFERENCE BOOKS:

1. AlekhanaurTippan–Prof. Viraj

2. Alekhan- Kichlu

COURSE OUTCOMES:

CO1	Providing knowledge of Letter writing in Hindi.	K3
CO2	Telling about the rules of Official Correspondence	K2
CO3	Providing knowledge of Official language Hindi	K4
CO4	Providing practice on Drafting and noting	K5; K6
CO5	Knowing about the names of posts, names of Sections and related terminology	K2
K1-Remember; K2-Understand; K3-Apply;K4-Analyze; K5-Evaluate; K6-Create		

Mapping Course Outcomes Vs Programme Outcomes

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	3	2	-	-	-	-	2	-	1	1	2
CO2	1	3	2	-	-	-	-	2	-	1	1	2
CO3	1	3	2	-	-	-	-	2	-	1	1	2
CO4	1	3	2	-	-	-	-	2	-	1	1	2
CO5	1	3	2	-	-	-	-	2	-	1	1	2
W.AV	**1**	**3**	**2**	**-**	**-**	**-**	**-**	**2**	**-**	**1**	**1**	**2**

S–Strong (3), M-Medium(2), L -Low(1)

70

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	-	1	2	2
CO2	-	-	1	2	2
CO3	-	-	1	2	2
CO4	-	-	1	2	2
CO5	-	-	1	2	2
W.AV	-	-	1	2	2

S–Strong (3), M-Medium(2), L -Low(1) Related Online Contents

(MOOCs, SWAYAM, NPTEL, YouTube, Websites, etc.)

1. https://youtu.be/-kUPGG0B4tU
2. https://www.youtube.com/watch?v=xk14MNb1r7k

Subject Code	LANGUAGE– OTHER	LTPC
	LANGUAGES- II	4 00 3
91531M/ 91531TU/ 91531A/ 91531S		

Subject Code: 91532	PAPER–II GENERALEN GLISH-III	LTPC 4 00 3

COURSE OBJECTIVE:

- ➢ To make them active listeners
- ➢ To enhance the interpersonal relationship skills
- ➢ To embolden them to cope with stress
- ➢ To master grammar skills
- ➢ To help them to use English effectively in a business environment

UNIT1 **ACTIVE LISTENING** **20 Hours**

Short Story

In a Grove– Akutagawa Ryunosuke Translated from Japanese by Takashi

KojimaThe Gift of the Magi– O' Henry

Prose

Listening–Robin Sharma

Nobel Prize Acceptance Speech –Wangari Maathai

UNITII **INTER PERSONAL RELATIONSHIPS** **20 Hours**

Prose

Telephone Conversation–Wole Soyinka

Of Friendship–Francis Bacon

Song on(Motivational/ Narrative)

Ulysses– Alfred Lord Tennyson

And Still I Rise– Maya Angelou

UNITIII **COPING WITH STRESS** **20 Hours**

Poem

Leisure– W.H. Davies

Anxiety Monster–Rhona McFerran

Readers Theatre

The Forty Fortunes: A Tale of Iran

Where there is a Will–Mahesh

Dattani

UNITIV   **GRAMMAR**   **15 Hours**

Phrasal Verbs & Idioms

Modals and Auxiliaries

Verb Phrases–Gerund, Participle, Infinitive

UNITV   **COMPOSITION/ WRITING SKILLS**   **15 Hours**

Official Correspondence– Leave Letter, Letter of Application, Permission Letter

Drafting Invitations

Brochures for Programmes and Events

TOTAL: 90 Hours

COURSE OUTCOMES:

On successful completion of this course, the student will be able to		Knowledge Level
CO1	Listen actively	L2
CO2	Develop interpersonal relationship skills	L3
CO3	Acquire self-confidence to cope with stress	L4
CO4	Master grammar skills	L5
CO5	Carry out business communication effectively	L3

TEXT BOOKS:

1. Wangari Maathai –Nobel Lecture. Nobel Prize Out reach AB 2023.Jul 2023.

2. Mahesh Dattani, Where there is a Will. Penguin, 2013.

3. Martin He wings, Advanced English Grammar,Cambridge University Press,2000

4. Essential English Grammar by Raymond Murphy

WEBLINK:

1. WangariMaathai–NobelLecture.NobelPrizeOutreachAB2023.Mon.17Jul2023.

   https://www.nobelprize.org/prizes/peace/2004/maathai/lecture/

2. Telephone Conversation - Wole Soyinka https://www.k-state.edu/english/west mank/spring_00/SOYINKA.html

3. Anxiety Monster- RhonaMcFerran-www.poetrysoup.com

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	3	2	-	-	-	-	2	-	1	1	2
CO2	1	3	2	-	-	-	-	2	-	1	1	2
CO3	1	3	2	-	-	-	-	2	-	1	1	2
CO4	1	3	2	-	-	-	-	2	-	1	1	2
CO5	1	3	2	-	-	-	-	2	-	1	1	2
W.AV	1	3	2	-	-	-	-	2	-	1	1	2

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	-	1	2	2
CO2	-	-	1	2	2
CO3	-	-	1	2	2
CO4	-	-	1	2	2
CO5	-	-	1	2	2
W.AV	-	-	1	2	2

S–Strong (3), M-Medium(2), L -Low(1)

PART–III
CORECOURSE –THEORY –V

Subject Code: 91533	AVIATION ANCILLARY SERVICES	L T P C 6 0 0 5

COURSE OBJECTIVES:

- ➢ To know about basic Air Transport ancillary services
- ➢ To learn about the responsibilities about Ground Handlers
- ➢ To study about complete Passenger Handling
- ➢ To explore the Ancillary services and revenue of airline

UNIT– 1   Basic Air Transport Ancillary Services   25 Hours

Aircraft Repair and Maintenance Services – Selling and Marketing of Air Transport Services – Computer Reservation System (CRS) –Aircraft Leasing without crew – Aircraft Leasing with crew – Air Freight Forwarding Services – Cargo Handling – Aircraft Catering Services – Refueling Services – Aircraft Line Maintenance – Ramp Handling

UNIT– 2   Ground Handlers Responsibility   20 Hours

Roles and Responsibilities of Ground Handlers –Ground Handling: Self Handling vs. Outsourcing-Ground Handling: Case Studies at India and Abroad - IATA Ground Handling Council

UNIT– 3   Passenger Handling   10 Hours

Passenger Handling: Departure Concourse - Passenger Handling: Transit and Arrivals – Passengers Baggage Handling - Specialized Handling of Passengers: VVIPs, VIPs, Physically Challenged

UNIT– 4   Ancillary Services   10 Hours

Catering: Preparation, Escort and Security, Inter-terminus Transfers - Medical Services – Accommodation and Hospitality – Information Dissemination - Airport Operations – Airport Management

UNIT– 5   Airlines Ancillary Revenue   10 Hours

Attached Products – A- La- Carte – Commission based Products – Third Party Advertising on in-flight –Attached Products –Partnerships– Loyalty Programs –FFP –Types of Baggage Charges – Seat Selection – Vacation Package by airlines – Travel Insurances

TOTAL: 75 Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	To gain an understanding about ground handling and to develop insights in to the aviation industry through comprehensive industry knowledge.	L2
CO2	To acquire expertise in passenger handling processes and to learn in detail about handling specialised passengers in airports.	L4
CO3	To learn about the intricacies of baggage handling and to interpret the knowledge needed for industry standards for positive customer experience.	L2
CO4	To learn about airport ground handlers, their responsibilities and activities on aircrafts	L2
CO5	To enrich themselves with the knowledge about airport operations and management by learning about service proficiency and strategic airport management.	L5

TEXT BOOK:

1. Air Passenger Demand Forecasting for Airports –Riza Onur Yazici, LAP Lambert Academic Publishing, 2011.

REFERENCE BOOKS:
1. Evaluation of Level of Service at Airport Passenger Terminals –Anderson Correia (author), 2009 (edition), LAP Lambert Academic Publishing.
2. Effect of Service Quality on Air Passenger's Overall Satisfaction, LAP Lambert Academic Publishing, 2011.
3. Airline Ancillary Services and incompatibilities with in alliances, Loannis Maroulas (author), 2020 (edition), Lambert Academic Publishing
4. Airline Industry, NawalK. Taneja (author), 2016 (edition),Routledge.

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	-	2	2	1	1	1	1	1	1	1
CO2	1	1	1	1	2	1	1	-	1	1	1	1
CO3	1	1	1	1	1	1	1	-	1	1	1	1
CO4	2	1	1	2	1	1	1	-	1	1	1	1
CO5	2	1	1	3	3	1	2	1	1	1	1	1
W.A V	16	1	0.8	1.8	1.8	1	1.2	0.4	1	1	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	1	1	2	1
CO2	1	1	1	2	2
CO3	2	1	1	2	1
CO4	2	1	1	2	1
CO5	2	2	1	2	2
W.AV	1.8	1.2	1	2	1.4

S–Strong (3), M-Medium(2), L -Low(1)

SubjectCode: 91534	AIRLINE AND AIRPORT MARKETING MANAGEMENT	L T P C 6 0 0 5

COURSE OBJECTIVES:
- ➢ To study about the Marketing concepts in Air Transportation
- ➢ To learn about Air Travel marketing strategy and the product analysis
- ➢ To explore about the Airlines revenue management, its distribution and promotion
- ➢ To analyse about the Airport Marketing

UNIT– 1   Market for Air Transportation   5 Hours

Marketing and Marketing mix – Application of Marketing Principles to Airline Management Airline Business and its Customers – Market segmentation PESTE Analysis

UNIT-2   Air Travel Marketing Strategy & Product Analysis   10 Hours

Michel Porter's Five Factors and their Application to Airline – Cost leadership –Focus strategies Airline Business and Market Strategies – Common Mistake-Concept of Product and Relation to Airline – Fleet and schedules Related Product Features. Customer Service and Controlling Product Quality-Air Freight Product. Strategic Airline Alliances

UNIT–3 Airlines- Revenue Management   20 Hours

Building Block in Airline Pricing Policy-Uniform and Differential Pricing The Structure of Air Freight Policy Distribution Channel Strategies – Travel Agency Distribution System Selling & Distribution Channel in Air Freight Market Brand Building Strategies in Airline Industry Relationship Marketing – Components of Marketing Strategies Frequent Flyer Program (FFP) – Anatomy of Sale and Planning – Marketing Communication Technique – Airline Advertising Air Freight Market – Future of Airline Market

UNIT– 4   Airport Marketing   15 Hours

The Role and Scope of Activity of the Airport Enterprise – The Economic Impact on Countries and Regions Main Governance Patterns in the Airport Business The International path of Evolution in the Airport Business- Air Transport Value chain-– Airport Enterprises Rise of Airport Marketing for the Aviation related Business – Airport's Market Positioning-Primary Hub-Secondary Hub – Regional Airport – All Cargo Airport Revenue Management – Airport Alliances – Management Contract.

UNIT-5   Airport Marketing Planning   10 Hours

Evolution of Traditional Airport – Evolutionary patterns for Airport Enterprises – Commercial Airport Philosophy – Non- Aviation Business- Tourist& Conference Services – Logistic Services and Property Management – Consulting Services – BAA and the Non – Aviation Business – Best Airport in the World: The Case of Singapore Airport Creative Marketing Approach for the Airport Enterprise – Assessment Airport Marketing Planning –London City Airport: A Best –in – Class provider in the Airport Business.

Total:60 Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	This course aims to understand the market values of air transport tindustry.	**L2**
CO2	Through out this course, students will understand about Air travel marketing strategy and its product analysis.	**L2**
CO3	This course uncovers the ideas about the airlines revenue management, its distribution and promotion.	**L2**
CO4	This course is designed to understand about the marketing strategies for airport business.	**L4**
CO5	This course is made to elevate student's understanding of Airport marketing plan.	**L5**

TEXT BOOKS:

1. Airport Marketing– Anne Graham, Nigel Halpern (authors), 2021(edition), Routledge.
2. Strategic Airport Planning and Marketing- Emmy Arsonval Maniriho (author) ,2016 (edition), Notion Press

REFERENCES:

1. Managing Airports: An International Perspective – Anne Graham (author), 2018 (edition), Routledge
2. Airport Marketing: Strategies to Cope with the New Millennium Environment– David Jarach (author), 2016 (edition), Routledge
3. Airport Business Law- Ruwantissa Abeyratne (author), 2009 (edition), Author House
4. Airlines Marketing: The fundamental concepts of airline industry marketing strategy, Davalsab M.L (author), 2023, Kindle Amazon

Mapping Course Outcomes Vs Programme Outcomes

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	2	1	2	2	1	2	1	1	1
CO2	1	1	1	-	-	1	1	1	1	1	1	1
CO3	1	1	1	-	-	1	1	1	1	1	1	1
CO4	2	1	1	2	2	2	1	1	1	1	1	1
CO5	1	1	1	1	1	1	1	1	1	1	1	1
W.AV	1.2	1	1	1	0.8	1.4	1.2	1	1.2	1	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	1	1	1	1
CO2	1	2	1	1	1
CO3	1	1	1	1	2
CO4	1	1	1	1	1
CO5	1	1	1	1	1
W.AV	1.2	1.2	1	1	1.2

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91535	**PRINCIPLES OF LOGISTICS MANAGEMENT**	**L T P C**
		6 0 0 4

COURSE OBJECTIVES:

➢ To gather knowledge about the fundamentals of Logistics Management

➢ To study about the Roles of Logistics Management

➢ To learn about the different strategies followed in Logistics

➢ To explore about the information technology in Logistics

UNIT-1   Fundamentals of Logistics Management   15 Hours

Logistics: Definition - History and Evolution – Objectives – Elements – Activities Importance – The work of logistics– Logistics interface with marketing–Retails logistics– Emerging concept in logistics – Inbound and Outbound Supply Chain Management – Containers – Different Types of Cargo's

UNIT-2   Roles of Logistics Management   15 Hours

Logistics Management – Definition – Achievement of competitive advantage through logistics Framework – Role of Logistics management – Integrated Logistics Management – Evolution of the concept, model, process, activities

UNIT-3   Logistics Strategy   15 Hours

Strategic role of logistics – Definition - Role of logistics managers in strategic decisions – Strategy options, Lean strategy, Agile Strategies & Other strategies – Designing & implementing logistical strategy – Emerging concept in logistics

UNIT-4   Air Freight Forwarding   15 Hours

Air freight exports and imports – special cargoes – consolidation – documentation – Air Way Bill (AWB) – communication – handling COD shipments – POD – conditions of contract – dangerous (DGR) or hazardous goods

UNIT-5   Information Technology and Logistics   15 Hours

Electronic Data Interchange – Personal Computers - Artificial Intelligence/Expert system - Communications Bar coding and Scanning - Electronic Data Interchange standards – Communication - Information and Future directions.

Total:75 Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	This course aims to understand the fundamentals of logistics management.	**L1**
CO2	Through out this course, students will understand about the roles oflogistics management and integrated logistics management.	**L2**
CO3	This course uncovers the ideas about the different strategy of logistics.	**L3**
CO4	This course is designed to understand about the concepts and formalities to be taken care for air freight forwarding	**L2**
CO5	This course is made to elevate student's understanding of implementation and uses of information technology in logistics.	**L4**

TEXT BOOKS:

1. Aviation Logistics The dynamic partnership of air freight and supply chain –Michael Sales (author), 2016 (edition), Kogan Page Publishing

REFERENCE:

1. Logistics: Principles and Applications – John Langford (author), 2006 (edition), McGraw-Hill Professional
2. Logistics & Air Cargo Management - Shri. N.V. Suresh, Dr. Deepa Rajesh, Dr.V.Suganya (authors), 2021 (edition), Iterative International Publisher IIP
3. Aviation, Air Cargo and Logistics Management: A Manual for Air Cargo Handlers and Shippers - Emmy Arsonval Maniriho (author), 2022 (edition), Notion Press
4. Sustainable Logistics and Supply Chain Management: Principles and Practices for Sustainable Operations and Management, David B. Grant, Chee Yew Wong, Alexander Trautrims (authors), 2017 (edition), Kogan Page

Mapping Course Outcomes Vs Programme Outcomes

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	1	1	1	1	1	1	1	1	1
CO2	1	1	1	1	1	1	1	1	1	1	1	1
CO3	1	1	1	-	-	1	1	1	1	1	1	1
CO4	1	1	1	1	1	2	1	1	1	1	1	1
CO5	1	1	1	1	1	1	1	1	1	1	1	1
W.A V	1	1	1	0.8	0.8	1.2	1	1	1	1	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	1	2	1	1
CO2	2	1	2	1	1
CO3	1	2	1	1	1
CO4	1	1	1	1	1
CO5	2	1	2	1	2
W.AV	1.4	1.2	1.6	1	1.2

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91536	ENTREPRENEURSHIP	L T P C 0 0 2 2

COURSE OBJECTIVES:

➤ To enable the students to understand the concept of Entrepreneurship and to learn the professional behaviour about Entrepreneurship.

➤ To identify significant changes and trends which create new business opportunities.

➤ To analyse the institutional arrangement for potential business opportunities.

➤ To provide conceptual exposure on converting ideas to an women entrepreneurship.

UNITI   ENTREPRENEURSHIP   6 Hours

Entrepreneur–Meaning–Importance–Definition–Types–Functions–Qualitiesofan Entrepreneur – Entrepreneurship as a career.

UNITII   BUSINESS   6 Hours

Business Promotion – Product selection – Form of ownership – Plant location – land, building, water and power, raw material, machinery, power and other infrastructural facilities– Licensing, registration and local bye laws.

UNITIII   BUSINESS PLAN PREPARATION   6 Hours

Institutional arrangements for entrepreneurship development – DIC, SIDCO, NSIC, SISI – Institutional finance to entrepreneurs – TIIC, SIDBI, Commercial banks – Incentives to small scale industries.

UNITIV   PROJECT   6 Hours

Project report – Meaning and importance – Project report – Format of a report (as per requirements of financial institutions) – Project appraisal – Market feasibility – Technical feasibility – Financial feasibility and economic feasibility – Break even analysis.

UNITV   ENTREPRENEURSHIP DEVELOPMENT PROGRAMME   6 Hours

Entrepreneurship development in India – Women entrepreneurship in India – Sickness in small scale industries and their remedial measures.

TOTAL: 30 Hours

COURSE OUTCOMES:

After studied, the student will be able to		Knowledge Level
CO1	To understand the significance of entrepreneurship and Entrepreneur qualities.	L2
CO2	To know about the developing ideas and techniques of business.	L2
CO3	To understand about the procedures of startup.	L2
CO4	To identify the institutional support provided to entrepreneurs.	L2
CO5	To analyse the women entrepreneurship development	L4

TEXT BOOKS:

1. Joseph Paul, N.Ajitkumar and T.Mampilly. Entrepreneurship development.Himalayan Publishing House.
2. Khan, M.A. Entrepreneurship Development Programmes in India. KanishkaPublishingHouse, Delhi.

REFERENCE BOOKS:

1. Hisrich RD, Peters MP, "Entrepreneurship" 8th Edition, Tata McGraw -Hill, 2016
2. KhankaS.S.,"Entrepreneurial Development" S Chand & Company; edition, 2016
3. Entrepreneurship and Management of Small business– Centre for Entrepreneurship Development, Madurai.
4. Saravanavel,P. (1997). Entrepreneurial Development. Ess Peekay Publishing House, Chennai.
5. Vasant Desai. Dynamics of Entrepreneur Development and Management. Himalayan Publishing House.

WEB LINKS:

1. www.forentrepreneurs.com
2. www.allbusiness.com
3. www.forbes.com

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	1	1	-	-	1	1	1	1	3	1	1
CO2	1	1	1	-	-	1	1	1	2	2	1	1
CO3	1	1	1	-	-	1	1	1	1	2	2	2
CO4	1	1	1	-	-	1	1	1	2	2	2	2
CO5	1	1	1	-	-	1	1	1	1	1	1	1
W.AV	1	1	1			1	1	1	1.4	2	1.4	1.4

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	1	1	3	2
CO2	1	1	1	3	2
CO3	1	1	1	3	2
CO4	1	1	1	3	2
CO5	1	1	2	3	2
W.AV	1	1	1.2	3	2

S–Strong (3), M-Medium(2), L -Low(1)

இரண்டாம் ஆண்டு - மூன்றாம் பருவம்				
பாடக்குறியீட்டு எண்:	பள்ளியில் தமிழ் பயிலாத மாணாக்கர்களுக்கான அடிப்படைத் தமிழ்ப் பாடங்கள்	T/P	C	H/W
	தமிழ் மொழியின் அடிப்படைகள்	P	2	2
நோக்கம் :	➢ இலக்கணம் அறிந்து கொள்ள வாய்ப்பினை ஏற்படுத்துதல். ➢ தமிழ் மொழியில் பிழையின்றி எழுத அறிந்துகொள்ள வாய்ப்பினை ஏற்படுத்துதல்.			
அலகு -1	எழுத்துக்கள் – உயிர் எழுத்துக்கள் – மெய்யெழுத்துக்கள் – உயிர்மெய்யெழுத்துக்கள்			
அலகு -2	சொற்களின் வகை அறிதல் – பெயர்ச்சொல் – வினைச்சொல் – இடைச்சொல் – உரிச்சொல்			
அலகு-3	எழுத்துக்களின் வேறுபாடு அறிதல்: ணகர, னகர எழுத்துக்கள் சொற்களில் பயின்று வருதல் லகர, ழகர, ளகர வேறுபாடு அறிதல் ரகர, றகர வேறுபாடு அறிதல்.			
அலகு -4	எழுத்துக்களின் பிறப்பு – உச்சரிப்புப் பயிற்சி அளித்தல் – பிழையின்றிப் படிப்பதற்குப் பயிற்சி அளித்தல்.			
அலகு -5	பிறமொழிச் சொற்களைக் கண்டறிதல் – தமிழ் மாதங்கள் – கிழமைகள் – எண்கள் – சுவைகள் – உறவுப் பெயர்கள் ஆகியவற்றை அறிதல்			
பயன்கள்:	➢ அடிப்படை இலக்கணச் சூழலியல் கற்றால் தமிழ் மொழி இலக்கணங்கலை பிறமொழிகளோடு ஒப்பிடும் ஆற்றல் பெறுவர். ➢ அழகியல் உணர்ச்சிகளைப் புரிந்து கொள்ள ஏதுவாக இலக்கணம் இருக்கிறது என்பதை உணர்ந்து தனித்துவம் வாய்ந்தவர்களாக தன்னம்பிக்கைப் பெற்றவர்களாக மாறலாம்.			

	இரண்டாம் ஆண்டு - மூன்றாம் பருவம்			
பாடக்குறியீட்டு எண்:	பள்ளியில் மேல்நிலைப் படிப்பு வரை தமிழ் பயின்று கல்லூரியில் பகுதி 1– இல் தமிழ் பயிலாத மாணாக்கர்களுக்கான சிறப்புத் தமிழ்ப் பாடங்கள்	T/P	C	H/W
	இக்கால இலக்கியம்	T	2	2
நோக்கம் :	➢ கவிதை, சிறுகதை, புதினம், உரைநடை ஆகிய படைப்பியல் வகைகளைப் பற்றிய பரந்துபட்ட புலமையைப் பெருக்குதல். ➢ இக்காலத் தமிழ் இலக்கியங்களின் உள்ளடக்கம், வெளியீட்டு நெறி, படைப்பில் கொள்கை ஆகியவற்றை அறியச் செய்தல்			
அலகு -1	கவிதை இலக்கியம்			
அலகு -2	1. பாரதியார் – சுதந்திரப் பாடல்கள்: 'சுதந்திரப் பெருமை' என்ற பாடல் முதல் 'சுதந்திரப் பள்ளு' என்ற பாடல் வரை உள்ள 06 பாடல்கள். 2. பாரதிதாசன் – தமிழ் (முதல்தொகுதி) 'தமிழின் இனிமை' என்ற பாடல் முதல் 'தமிழ்க்கனவு' என்ற பாடல் வரை உள்ள 10 பாடல்கள். 3. நாமக்கல் கவிஞர்– காந்தி மலர்: 'காந்தி அஞ்சலி' என்ற பாடல் முதல் 'இணையிலா காந்தி' என்ற பாடல்வரை உள்ள 6 பாடல்கள். 4. கவிமணி – உடல் நலம் பேணல் 'உடலின் உறுதி உடையவரே' என்ற பாடல் முதல் 'அருமை உடலின் நலமெல்லாம்' என்ற பாடல் வரை உள்ள 8 பாடல்கள் 5. பட்டுக் கோட்டை கல்யாண சுந்தரம் - காடு வெளையட்டும் பொண்ணே 6. கண்ணதாசன் - மனிதரைப் பாட மாட்டேன் (கவிதைகள்) 7. ஜீவா - பெண் விடுதலை 8. அப்துல் ரகுமான் - வீட்டுக்கொரு மரம் (கூடு துறக்கும் பறவை) 9. சண்முகம் சரவணன் - இயல்பாய் நடந்தேறியது			
அலகு-3	நாவல் இலக்கியம் இறையன்பு - ஆத்தங்கரை ஓரம்,			

அலகு -4	சிறுகதை இலக்கியம்	
	1. வ.வே.சு.ஐயர்	- குளத்தங்கரை அரசமரம்
	2. அறிஞர் அண்ணா	- செவ்வாழை
	3. ஜெயகாந்தன்	- முன் நிலவும் பின் பனியும்
	4. கி. ராஜநாராயணன். - கதவு
	5. தனுஷ்கோடி ராமசாமி. - வாழ்க்கை நெருப்பூ
	6. சே. செந்தமிழ்ப்பாவை. - வல்லமை தந்துவிட்டாய்
	7. கரு. முருகன். - அப்பாவுக்கு காய்ச்சல்
	8. சு.காந்திதுரை - துணிக்காரச் சாமி
	9. கெண்டக்கரை வேட்டி - பாண்டுரங்கன்

அலகு	இலக்கணம் முதல் எழுத்துக்கள் – சார்பெழுத்துக்கள் – மொழி முதல் எழுத்துக்கள் – மொழி இறுதி எழுத்துக்கள் – வல்லினம் மிகும் இடங்கள், மிகா இடங்கள்.
நியூ செஞ்சுரி புக் ஹவுஸ் பிரைவேட் லிமிடெட்.சென்னை - 98.	
பயன்கள்	➢ இலக்கியங்கள் வாயிலாக மாணவர்கள் பல்வகைப்பட்ட சமூகப் போக்குகளையும் மக்களின் பண்பு நலன்களையும் அறிந்து கொள்ள இயலும். ➢ பல வகையான இலக்கிய வாசிப்பின் வாயிலாக மாணவர்கள் தங்களின் படைப்பாற்றல் உள்ளிட்ட பணி நிலைகளுக்கு உயர்வதற்கான வாய்ப்பினைப் பெறுவர்.

Semester III				
Course Code	**NME**	**T/P**	**C**	**H/W**
	IT Skills for Employment **(Common to all UG programmes)**	T	2	2

Objectives:
- ➢ Understand the components of computer
- ➢ Understand Internet and its terminology
- ➢ Understand basic cyber safety and security norms

Unit- 1	Introduction to Computers –Types of Computer - Hardware – Motherboard-Processor-RAM –ROM – SMPS – Graphics Card– Storage Devices – Hard Disc – SSD – DVD – CD – Pen drive- – Input/ Output Devices – Keyboard – Mouse – Mic- Monitor-Camera-Types of Printer, Scanner, Projector. Basic of Computer network-Modem, Hub, Switch, Bridge, Routers-Wi-Fi – Bluetooth. Introduction to Free and Open Source Software(FOSS) – Need of Open Sources – Advantages of Open Sources– Copy rights- Software piracy.
Unit- 2	Basics of Operating System –Difference between various operating systems-User Interface of windows 10 OS - create , Copy ,Move and delete files and folders -Use of pen drive -CD-DVD Burning -Windows tools and features-Disk Space management-Disk Clean up-Managing Recycle Bin-Disk defragmentation -Add/ remove software's and programs.
Unit- 3	Basic operating of word processing - Creating, opening and closing documents- Use of shortcuts-Creating and Editing of Text - Formatting the text - Find and replace - Drawing Table-Page layout-Header / Footer - Setting page number-Creating simple applications like - resume - letter writing ,job application ets- Printing document. Basics of Excel worksheet & its importance-creating simple worksheets- formulas-conditional formatting-sort-filter- chart. Introduction to PowerPoint-understand various views of presentation, animations, transitions, header, footer etc.
Unit -4	Internet – ISP- Word wide web (www)- web browser-search engine- creating & using an email account like gmail or any other- checking email and composing Email-Attaching documents- Usageof CC & BCC. Understanding IP address-Bandwidth -Storing and retrieving file through google drive –sharing files and folders-google docs - language translation -voice to text, text to voice application-Google Meet-Zoom-Social media merits and demerits. Online educational websites (Moocs-nptel - Swayam Central- spoken-tutorial.org)-Video tutorials-Step to use Government portals like aadhaar-Election commission website-Eservices(eservices.tn.gov.in) etc-– Job Portals - Online Bill payment- Online fund transfer using UPI gateway.
Unit- 5	Internet Safety concerns: (Digital Footprints, Threats, Virus, Worm, Trojan Horse, Spam, Malware,Adware, Spyware, Snooping)-Security Measures :(Antivirus, Firewall)- Cyber Crime: (Phishing,

	Pharming, Spoofing, Hacking, Cracking, Identity Theft)Cyber Safety (IT Act, Cyber Laws).
	Reference Books : Vikas B. Agarwal Jyoti P. Mirani, *Computer Fundamentals* -Publisher: Nirali Prakashan (1 August 2019) Lambert Joan, Lambert Steve, *Windows 10 Step By Step*, Publisher : PHI Learning Pvt Ltd Mike Mc Grath and Michael, *Office 2016 In Easy Steps*, Price Publisher: BPB Publications Adesh K. Pandey, *Internet Fundamentals* James KL, *The Internet : A Users Guide* Jaago Teens, *Cyber Safety For Everyone* - BPB Publications (October 12, 2019) Refer website's and You tube tutorials .
Outcomes	➢ Skills to work efficiently with windows, word, excel, powerpoint presentation. ➢ Skills to use internet for various purpose with safe and secure.

SubjectCode	LANGUAGE TAMIL–IV	LTPC
91541**T**		**4 00 3**

பொதுத்தமிழ் -4

தமிழும் அறிவியலும்

இரண்டாம் ஆண்டு – நான்காம் பருவம்

Course Code	Course Name	category	L	T	P	S	Credits	Ins.Hrs	CIA	Externa	Total
	பொதுத்தமிழ் -4 தமிழும் அறிவியலும்	Supportive	Y	-	-	-	3	6	25	75	100

Pre-Requisite	பன்னிரெண்டாம் வகுப்பில் தமிழை ஒரு பாடமாகப் பயின்றிருக்க வேண்டும்	SV 2023	

Learning Objectives

- தாய்மொழி வழியாக அறிவியல் பற்றிய சிந்தனைகளை வளர்த்தல்.
- அறிவியல் கலைச் சொல்லாக்கம் பற்றிப் பயிற்றுவித்தல்.
- மாணவர்களுக்கு அறிவியல் பார்வையை ஏற்படுத்துதல்.
- தமிழில் அறிவியல் படைப்பிலக்கியங்களை உருவாக்கத் தூண்டுதல்
- தமிழ் இலக்கியம் சார்ந்த போட்டித் தேர்வுகளுக்கு ஏற்ப கற்பித்தல் நடைமுறைகளை மேற்கொள்ளுதல்

Expected Course Outcomes

On the Sucessful completion of the Course, Students will be able to

இப்பாடத்தைக் கற்பதால் பின்வரும் பயன்களை மாணவர் அடைவர்

CO 1	தாய்மொழி வழியாக அறிவியல் பற்றிச் சிந்திக்கும் திறன் பெற்றிருப்பர்.	K4
CO 2	அறிவியல் கலைச் சொல்லாக்கம் பற்றிய விதிகள், நுணுக்கங்களைத் தெரிந்திருப்பர்.	K5, K6
CO 3	அறிவியல் தமிழ் வளர்ச்சியில் மொழிபெயர்ப்பின் பங்கு குறித்து அறிந்திருப்பர்.	K3
CO 4	மொழியறிவோடு சிந்தனைத்திறனைப் பெறுவர்	K3
CO 5	மொழிப்பயிற்சிக்குத் தேவையான இலக்கணங்களைக் கற்பர்.	K2

K1 - Remember; K2 - Undestand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

அலகு-1	தமிழரின் அறிவியல் சிந்தனைகள்
	• அறிவியலும் மனித வாழ்வும்
	• ஐந்திணைப் பகுப்பும் சூழலியலும்
	• தொழில்நுட்ப மேலாண்மை
	• நீர் நில மேலாண்மை
அலகு-2	பழந்தமிழ் இலக்கியங்களில் அறிவியல் சிந்தனைகள்
	1. நிலவியல்
	2. உலோகவியல்
	3. வானவியல்
	4. உயிரியல்
	5. உளவியல்
அலகு-3	இடைக்கால இலக்கியங்களில் அறிவியல் சிந்தனைகள்
	1. காப்பியங்களில் அறிவியல்
	2. சிற்றிலக்கியங்களில் அறிவியல்
	3. உரைநூல்களில் அறிவியல்
அலகு-4	இணையத் தமிழ்
	1. இணையத் தமிழ் பயன்பாடு - அறிமுகம்
	2. இணையத்தமிழ்க் கல்விக்கழகம்
	3. இணைய நூலகம்
	4. செயற்கை நுண்ணறிவியல்
	5. தமிழ்நாட்டு அறிவியல் ஆளுமைகள்
அலகு-5	கடிதம் எழுதுதலும் கட்டுரை எழுதுதலும்
	• உறவு முறைக் கடிதப் பயிற்சி
	• அலுவலகக் கடிதப் பயிற்சி
	• விண்ணப்பப் படிவம் எழுதும் பயிற்சி
	• தன் விவரப் படிவம் எழுதும் பயிற்சி
	• கருத்து விளக்கக் கட்டுரைகள் எழுதும் பயிற்சி
	• பத்திரிகைகளுக்குக் கட்டுரை எழுதும் பயிற்சி

Text books

- அறிவியல் தமிழ் இன்றைய நிலை - இராதா செல்லப்பன், உலகத் தமிழாராய்ச்சி நிறுவனம், சென்னை.
- மணவை முஸ்தபா, தமிழில் அறிவியல் படைப்பிலக்கியம், மணவை பப்ளிகேஷன், சென்னை.
- கலைச்சொல்லாக்கம் - மங்கை, ரங்கராசபுரம், சென்னை .
-

Reference Books

1.தமிழர் வேளாண்மை மரபுகள் - இல).செ.கந்தசாமி
- 2. சங்க இலக்கியத்தில் வேளாண் சமுதாயம், பெ.மாதையன், நியூ செஞ்சுரி புக் ஹவுஸ்
3. தமிழில் அறிவியல் இதழ்கள்சாமுவேல்- ரா.பார்வேந்தன் ஃபிஷ்கிரீன் பதிப்பகம், கோவை

4. அறிவியல் தமிழ் - பதிப்பாசிரியர் இராதா செல்லப்பன்,பாரதிதாசன் பல்கலைக்கழகம், திருச்சிராப்பள்ளி.

5. இணையத் தமிழ் வரலாறு, மு.பொன்னவைக்கோ, பாரதிதாசன் பல்கலைக்கழகம்

6. இணையத் தமிழ், சந்திரிகா சுப்பிரமணியம் - சந்திரோதயம் பதிப்பகம்

7. இணையமும் இனிய தமிழும் - துரை. மணியரசன், இசை பதிப்பகம்

8. கணினித் தமிழ், இல. சுந்தரம் - விகடன் பிரசுரம்

9. மாண்புமிகு மண், பாமயன், வம்சி புக்ஸ்

10. தமிழ் இலக்கியத்தில் அறிவியல் சிந்தனைகள் வானதி பதிப்பகம், சென்னை

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

Web Sources

- https://www.chennailibrary.com/
- https://www.sirukathaigal.com
- https://www.tamilvirtualuniversity.org
- https://www.noolulagam.com
- https://www.katuraitamilblogspot.com

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	2	3	-	-	-	1	2	-	2	2	2
CO2	1	2	3	-	-	-	1	1	-	2	2	2
CO3	1	2	3	-	-	-	1	1	-	2	2	2
CO4	1	2	2	-	-	-	1	1	-	1	1	2
CO5	1	2	2	-	-	-	1	1	-	1	1	2
W.AV	1	2	2.6	-	-	-	1	1.2	-	1.6	1.6	2

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	-	1	3	3
CO2	-	-	1	3	3
CO3	-	-	1	3	3
CO4	-	-	1	2	2
CO5	-	-	1	2	2
W.AV	-	-	1	2.6	2.6

S–Strong (3), M-Medium(2), L -Low(1)

PART – I

PAPER-I

Subject Code 91541**F**	**LANGUAGE- FOUNDATION** **COURSE: FRENCH – IV** **TRANSLATION,COMPREHENSIONAND** **GRAMMAR–II**	LTPC **4 00 3**

COURSE OBJECTIVES:

1. Apply connecting words (cause, but, concession, condition, hypothèse, conséquence) to improve the spoken as well as written communication skills

2. Differentiate the various past tenses in "Les TempsduPassé" and their unique usage

3. Summarize the literary texts

4. Identify and apply the different grammatical tenses of "les temps du passé" in sample exercises to practice

5. Critically assess the literary texts through an analysis of its themes, narrative techniques,characters and its cultural significance

UNITI   **9 Hours**

Décadietsongrand-père Le

Petit chose

Lepassésimple

UNITII   **9 Hours**

L'égoïstepuni

Estula

Tempsdupassé–Emplois(lepassécomposé,l'imparfait,lepassésimple,leplus-que- parfait)

UNITIII   **9 Hours**

UneSaisondanslavied'Emmanuel

L'expression de la cause

L'expression de la conséquence

UNITIV   **9 Hours**

Une mauvaise nouvelle

L'expression du but

L'expressiondelaconcession

UNITV   **9 Hours**

Lavisitedela grand-mère

Le Horla

L'expressiondela conditionet del'hypothèse

                                                        Total:45 Hours

TEXT BOOKS AND REFERENCE BOOKS:

Reading List (Print and Online)

1.K.Madanagobalane & N.C. Mirakamal, Lefrançais par les textes, Chennai, Samhita Publications – Goyal Publisher & Distributors Pvt Ltd, 2017

COURSE OUTCOMES:

On successful completion of this course, the student will be able to		Knowledge Level
CO1	Demonstrate the usage of connecting words in a given text	K2
CO2	Understand and differentiate the various types of past tenses in"*Les Tempsdu Passé*"	K2andK4
CO3	Summarize the literary texts after a thorough analysis	K2andK4
CO4	Identify and apply the different grammatical tenses of "*lestemps du passé*"	K3
CO5	Analyze and critically assess the literary texts with regard to the Themes and literary techniques	K4andK5

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	2	3	-	-	-	1	2	-	2	2	2
CO2	1	2	3	-	-	-	1	1	-	2	2	2
CO3	1	2	3	-	-	-	1	1	-	2	2	2
CO4	1	2	2	-	-	-	1	1	-	1	1	2
CO5	1	2	2	-	-	-	1	1	-	1	1	2
W.AV	**1**	**2**	**2.6**	**-**	**-**	**-**	**1**	**1.2**	**-**	**1.6**	**1.6**	**2**

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	-	1	3	3
CO2	-	-	1	3	3
CO3	-	-	1	3	3
CO4	-	-	1	2	2
CO5	-	-	1	2	2
W.AV	-	-	1	2.6	2.6

S–Strong (3), M-Medium(2), L -Low(1)

PART – I
PAPER–I
(Hindi Bhashaaur Computer)

Subject Code 91541**H**	LANGUAGE– GENERALHINDI–IV	LTPC 4 00 3

COURSE OBJECTIVES:

1. Knowing about computer in Hindi

2. Understanding Technical Hindi

3. E-Learning and its aspects

4. Hindi application with the Technical tools

Unit I   **Computer aur Hindi**   **9 Hours**

➢ Computer kaParchayaurVikas
➢ ComputermeinHindi keVividh Font

Unit II   **Proudyogikiaur Hindi**   **9 Hours**

➢ Unicode
➢ DewanagariLipi
➢ Hindiki VibhinnaWebsite –Ek Parichay

Unit III   **Computer kemadhyamseHindishikshanaurE-Learning**
9 Hours

➢ VibhinnaE-LearningSansadhan
➢ Sarkariaur gairsarkarisansthaomeinprayuktHindi Bhasha

Unit IV   **VividhPaksh**   **9 Hours**

➢ InternetparHindipatra-patrikaye
➢ Hindi SMS
➢ Hindi Tankan
➢ HindikeVibhinnaKey-board

Unit V   **PratiyogiprikshaparaadharitComputersambandhitprashikshan Karya**
9 Hours

➢ Hindi me in Power point banana
➢ Hindi me in Google Document taiyar karna
➢ Hindi me in Google form taiyarkarna
➢ Vibhinnapratiyogiparikshaokebaremeinsuchnapradan karna

Total:45 Hours

98

TEXT BOOKS AND REFERENCE BOOKS:

1. Social Networking: Naye SamaykaSamvad– Ed. SanjayDwivedi
1. Jansancharaur Maas Culture– Jagdeeshwar
2. Media: BhumandalikaranaurSamaj–Ed.SanjayDwivedi
3. Naye JamanekiPatrakarita–Sourabh Shukla
4. PatrakaritaseMediatak–Manoj Kumar

COURSE OUTCOMES:

CO1	Providing knowledge of Letter writing in Hindi.	K2
CO2	Knowing the difference between Devanagari Script And Unicode and its application	K4
CO3	Providing knowledge of usage of Hindi in different govt. offices	K5
CO4	Know about E-Patrikas	K3
CO5	Getting knowledge of Competitive exams through online	K4
K1-Remember; K2-Understand; K3-Apply;K4-Analyze; K5-Evaluate; K6-Create		

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	2	3	-	-	-	1	2	-	2	2	2
CO2	1	2	3	-	-	-	1	1	-	2	2	2
CO3	1	2	3	-	-	-	1	1	-	2	2	2
CO4	1	2	2	-	-	-	1	1	-	1	1	2
CO5	1	2	2	-	-	-	1	1	-	1	1	2
W.AV	**1**	**2**	**2.6**	**-**	**-**	**-**	**1**	**1.2**	**-**	**1.6**	**1.6**	**2**

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	-	1	3	3
CO2	-	-	1	3	3
CO3	-	-	1	3	3
CO4	-	-	1	2	2
CO5	-	-	1	2	2
W.AV	-	-	1	2.6	2.6

S–Strong (3), M-Medium(2), L -Low(1)

Related Online Contents (MOOCs, SWAYAM, NPTEL, YouTube,Websites, etc.)

1. https://techshindi.com/%E0%A4%AB%E0%A4%BC%E0%A5%89%E0%A4%A8%E0%A5%8D%E0%A4%9F-%E0%A4%95%E0%A5%8D%E0%A4%AF%E0%A4%BE-%E0%A4%B9%E0%A5%88%E0%A4%82-%E0%A4%94%E0%A4%B0-%E0%A4%AF%E0%A5%87-%E0%A4%95%E0%A4%BF%E0%A4%A4%E0%A4%A8/
2. https://www.techyukti.com/2020/12/computer-font-kya-hai.html
3. https://chti.rajbhasha.gov.in/pdf/Chap4-HindiShabadSansadhan2ndEditionPart2.pdf

Subject Code 91541M/ 91541TU/ 91541A/ 91541S	LANGUAGE– OTHERLANGUAGES-IV	LTPC 4 00 3

PART-II

Subject Code: 91542	PAPERII–GENERAL ENGLISH-IV	LTPC 4 00 3

COURSE OBJECTIVES:

- ➢ To help learners imbibe goal- setting attitude.
- ➢ To enable them to understand the value of integrity.
- ➢ To help them deal with emotions.
- ➢ To teach the learners to frame sentences using tenses.
- ➢ To enhance reporting skills.

UNITI   **GOAL SETTING (UNICEF)**   **20 Hours**

Life Story

    From Chinese Cinderella–AdelineYen Mah

    Why I Write- George Or well

Short Essay

On Personal Mastery–Robin Sharma On

the Love of Life – William Hazlitt

UNITII   **INTEGRITY**   **20 Hours**

Short Story

    TheTaxi Driver– K.S. Duggal

    Kabuliwala- RabindranathTagore

    A Retrieved Reformation–O Henry

Extract from a play

The Quality of Mercy (Trial Scene from the Merchant of Venice- Shakespeare)

UNITIII   **COPING WITH EMOTIONS**   **20 Hours**

Poem

    Pride–DahliaRavikovitch

    Phenomenal Woman–Maya Angelou

Reader'sTheatre

    The Giant'sWife A Tall Tale of Ireland–William Carleton

    The Princess and the God: A Tale of Ancient India

UNIT IV   **LANGUAGE COMPETENCY SENTENCES**   **15 Hours**

Simple Sentences

Compound Sentences

Complex Sentences

Direct and Indirect Speech

UNIT V   **REPORT WRITING**   **15 Hours**

Narrative Report

Newspaper Report

Drafting Speeches

Welcome Address

Vote of Thanks

COURSE OUTCOMES:

On completion of this course, students will		Knowledge Level
CO1	Determine their goals	L4
CO2	Identify the value of integrity.	L2
CO3	Deal with emotions.	L3
CO4	Frame grammatically correct sentences	L4
CO5	Write cohesive reports.	L3

TEXT BOOKS:

1. Oxford Practice Grammar ,John Eastwood, Oxford University Press

2. Cambridge Grammar of English, Ronald Carter and Michael Mc Carthy

3. George Orwell Essays, Penguin Classics

WEB LINKS:

1. http:/www.gradesaver.com/George-orwell-essays/study/summary
2. O' Henry. A Retrieved Reformation.
   https://americanenglish.state.gov/files/ae/resource_files/a-retrieved-reformation.pdf
3. Maya Angelou. Phenomenal Woman.
   https://www.poetryfoundation.org/poems/48985/phenomenal-woman
4. The Quality of Mercy,
   https://poemana1ysis.comhttps://www'.oxfordscho1ar1yeditions.coin/disp1ay/10.1093/actra
   de/9780199235742.book. 1/actrade-9780199235742-div1-106- William Hazilitt

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	2	3	-	-	-	1	2	-	2	2	2
CO2	1	2	3	-	-	-	1	1	-	2	2	2
CO3	1	2	3	-	-	-	1	1	-	2	2	2
CO4	1	2	2	-	-	-	1	1	-	1	1	2
CO5	1	2	2	-	-	-	1	1	-	1	1	2
W.AV	1	2	2.6	-	-	-	1	1.2	-	1.6	1.6	2

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	-	1	3	3
CO2	-	-	1	3	3
CO3	-	-	1	3	3
CO4	-	-	1	2	2
CO5	-	-	1	2	2
W.AV	-	-	1	2.6	2.6

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91543	AIR TRAVEL MANAGEMENT	L T P C
		6 0 0 5

COURES OBJECTIVES:

- ➢ To learn about the overview information about the air transportation industry
- ➢ To study about the airline products
- ➢ To explore about the various travel products
- ➢ To learn about the importance of travel distribution systems

UNIT– 1   Overview of Air Transport Industry   15 Hours

Air Transportation Industry – Land Transportation Industry – Sea Transportation Industry – Multi-modal Transportation – Marketing and Marketing mix – Application of Marketing Principles to Airline Management – Airline Business and its Customers – Market segmentation

UNIT– 2   Airline Product   15 Hours

Passport–VISA's –Airlines Ticket or Authorization –Health Documents –Michel Porter's Five Factors and their Application to Airline – Cost leadership –Focus strategies- Airline Business and Market Strategies – Common Mistake-Concept of Product and Relation to Airline – Fleet and schedules Related Product Features – Customer Service and Controlling Product Quality – Air Freight Product

UNIT– 3   Travel Product   15 Hours

Referring the TIM - Passport Requirements: Different Nations - VISA Requirements: Different Nations - Tax, Currency, Customs, Immigration requirements - Referring the OAG - Aircraft Types and Codes - World Terminals -Calculation of Flying time, Ground Time and ElapsedTime.

UNIT– 4   Air Transport Growth   15 Hours

Introduction – Growth of air transport, Airport organization and associations, Classification of airports airfield components, Air traffic Zones and approach areas. Context of Airport system planning – Development of Airport Planning process – Ultimate consumers – Airline decision – Other Airport operations

UNIT– 5   Travel Distribution System   15 Hours

Building Block in Airline Pricing Policy – Uniform and Differential Pricing –The Structure of Air Freight Policy – Distribution Channel Strategies – Travel Agency Distribution System-Selling & Distribution Channel in Air Freight Market – Brand Building Strategies in Airline Industry – Relationship Marketing and Components of Marketing Strategies.

Total:75 Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	To gain an overview on transportation and marketing principles and how Marketing is applied in the airline industry.	L3
CO2	To interpret market strategies and product concepts those are needed for Airline operations.	L4
CO3	To understand time calculations for efficient air travel planning and logistics	L2
CO4	To trace the growth of air transport and understand how decisions are made In terms of airport system planning.	L5
CO5	To analyse building blocks in airline pricing, policies and to explore brand Building and relationship marketing in the industry.	L4

TEXT BOOKS:

1. Airline Operations & Management- GeraldN. Cook, Bruce Billig, Routledge,2017.

REFERENCE BOOKS:

1. Airline Industry: The Official Guide to Airline Management– Elnora Singleton– Routledge, 2015.

2. Travel & Tourism Management– Barkat A.M.A, Prentice Hall India Learning Pvt Ltd, 2015.

3. Air Transport Management: An International Perspective, Lucy Budd,Stephen Ison (authors), 2020 (edition), Routledge

4. Tourism, Transport and Travel Management, M.R. Dileep (author), 2019 (edition), Routledge

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	1	1	1	1	1	1	1	1	1
CO2	1	1	1	2	2	2	1	1	1	1	1	1
CO3	1	1	1	2	2	2	1	1	1	1	1	1
CO4	2	1	1	2	2	2	1	1	1	1	1	1
CO5	1	1	1	1	1	1	1	1	1	1	1	1
W.AV	1.2	1	1	1.4	1.4	1.4	1	1	1	1	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	1	1	1	1
CO2	2	1	1	2	1
CO3	1	1	1	1	2
CO4	1	2	1	2	2
CO5	1	2	1	1	1
W.AV	1.2	1.4	1	1.4	1.4

S–Strong (3), M-Medium(2), L-Low(1)

Subject Code: 91544	**AIRPORT AND AIR TRAFFIC SERVICES**	**L T P C** **5 0 0 4**

COURSE OBJECTIVES:

➢ To learn about the airport and its types along with ground support equipments
➢ To study about the complete airport business
➢ To get knowledge on aviation geography
➢ To study about the airport structures and operations

UNIGT–1   Airport   10 Hours
Airport - Types of Airport – Classifications – Airport Structures – Domestic Airport –International Airport – Regional Airport – Floating Airport – Water Airport – Heliport – Apron Management – Ground Support Equipments

UNIT– 2   Airport Business   10 Hours
Airport Customer – Types of Customers – Airport Costs – Airport Revenues – Economic Benefits of Airports – Aerodrome Maintenance

UNIT– 3   Basic Aviation Geography   10 Hours
About Earth – Atmosphere – Coriolis Force – Seasons – Equinox – Solstice – Open Sky Policy – Freedom of Air – Economic and Physical Geography Heat Zones – Latitude – Longitude – Time Zones

UNIT– 4   Airport Structures & Operations   20 Hours
Taxiway – Runway – Types of Runway – Declared Distances – Airport Signs, Markings & Lightings – Ramp Services – Fueling – Ground Support Equipment's – Basic Aircraft Load Planning – Basic Weight & Balance Terminology – Airport Emergency Response Plan

UNIT– 5   Air Traffic Services   10 Hours
Basic Concept – Objectives of ATS – Parts of ATC Service – Scope and Provision of ATC's – VFR & IFR Operations – Classification of ATS Air Spaces – Various DisciplinaryResponsibilities of ATC

Total:60Hours

COURSE OUTCOMES:

On successful completion of this course, the student will be able to;		**Knowledge Level**
CO1	To gain an overview on air transportation, airport and types of airport.	**L1**
CO2	To understand about the airport business such as airport customers, airport revenue and economic benefits of airport.	**L2**
CO3	To understand Basic aviation geography including time calculations for Efficient air travel planning.	**L3**
CO4	To analyse the structures of airport and its operations	**L4**
CO5	To get basic knowledge about Air Traffic Services along with classification Of ATS airspace	**L2**

TEXT BOOKS:

1. Fundamentals of Air Traffic Control– Michael S.Nolan, Cengage Learning,2012.
2. Introduction to airport operations, IATA, 2011.

REFERENCE BOOKS:

1. Understanding Air Traffic Control–Dieudonne Ndayizera,Notion Press, 2016.
2. Air Traffic Control: Human Performance Factors– Anne R. Isaac, BertRuitenberg, Routledge, 2010
3. Airport Operations, Norman J Ashford, Mc Graw-Hilleducation,2012
4. Airline and Airport Operations, Edissa Uwayo (author), 2016 (edition),Notion Press

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	-	3	3	2	1	1	1	1	-	1
CO2	1	1	1	2	2	2	2	1	2	1	1	1
CO3	1	1	1	2	1	1	2	1	1	1	1	1
CO4	1	1	-	2	2	2	2	1	1	1	-	1
CO5	2	1	-	2	2	2	-	1	1	1	1	1
W.AV	1.2	1	0.4	2.2	2	1.8	1.4	1	1.2	1	0.6	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	1	1	1	1
CO2	2	1	1	1	1
CO3	1	1	1	1	1
CO4	2	1	1	2	2
CO5	2	2	1	2	2
W.AV	1.8	1.2	1	1.4	1.4

S–Strong (3), M-Medium(2), L -Low(1)

PART–III
CORECOURSE –THEORY –IX

Subject Code: 91545A/ 91545B	INDUSTRIAL VISIT REPORT/ MINI PROJECT	**L T P C** **0 0 3 3**

COURSE OBJECTIVES:

The mini project is designed to help students to develop practical ability and knowledge with the practical tools/techniques for solving real life problems related to the industry, academic institutions and research centers. The course Mini Project is one that involves practical work for understanding and solving problems in the field of Aviation.

INSTRUCTIONS FOR PREPARATION OF MINI- PROJECT REPORTS:

The Mini- Project should be written in standard scientific paper format.

Title page: Authors name, Supervisors Name and Designation

Abstract: 250 words = 1 page.

Introduction:~500- 750 words= 2-3 pages

Materials and Methods:~1500 words= 6pages

Results:~1500 words =6 pages

This should provide a concise account of the results obtained, in a logical order that hopefully tells a story. This will not necessarily be the order in which you carried out the experiments! Make maximum use of figures / tables - remember a picture often replaces a thousand words. A standard scientific paper in most journals will contain ~6 (maximum 8) figures or tables.

Discussion:1500 words= 6pages

This is valuable inclusion in a project report where the student may not have sufficient time to complete the work and it contains constant ideas of further work.

Reference:1250 words = 5pages

Standard format should be followed and include all the details, including the full reference in the list maximum of 30 reference is adequate.

Total:30 Hours

PART–III
ALLIED COURSE –THEORY–IIB

Subject Code: 91546	PRINCIPLES OF TOURISM MANAGEMENT	L T P C
		6 0 0 4

COURSE OBJECTIVE:

➢ To learn about the introduction and history of tourism industry

➢ To study about the components and types of tourism

➢ To analyse about the impacts of tourism

➢ To know about the tourism organisations and its functions

UNIT– 1   Introduction to Tourism   15 Hours

Meaning & definitions of tourism, traveler, excursionist, tourists - Objectives, nature & Classification of tourism & tourists. Tourism recreation & leisure inter-relationship. Growth and development of Tourism through the ages.

UNIT– 2   Components, Types and Forms of Tourism   15 Hours

Components of tourism - Types and Forms of Tourism: Inter-regional and intra–regional tourism, inbound and outbound tourism, domestic, international tourism. Forms of Tourism: religious, Medical Tourism, historical, social, adventure, health, business, conferences, conventions, incentives, sports and adventure tourism

UNIT– 3   Tourism Organizations   15 Hours

Roles and Functions of United Nations World Tourism Organization (WTO), Pacific Asia Travel Association (PATA), World Tourism &Travel Council (WTTC) - International Hotel Association (IHA), Ministry of Tourism, Govt. of India, India Tourism Development Corporation (ITDC), Federation of Hotel and Restaurants Associations of India (FHRAI).

UNIT– 4   Impacts of Tourism   15 Hours

Tourism Impacts: Economic Impacts, Social Impacts, Cultural Impacts, and Environmental Impacts -Strategies to overcome or reduce the negative impacts of tourism.

UNIT– 5   Tourism Entrepreneurship   15 Hours

Introduction to entrepreneurship; the tourism industry and business ideas – business strategy- understanding customers and analyzing the competition – Essential Requirements for Starting Travel Agency & Tour Operation Business – Cost Management – Procedures for Obtaining Recognition

Total:75 Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	To understand about the Evolution of tourism industry along with its growth and development	L2
CO2	To explore the knowledge about Components, Types and Forms of Tourism	L4
CO3	To know about the various organisations and its contribution for the growth of Tourism sector	L2
CO4	To analyse the different impacts of tourism	L4
CO5	To understand completely about the functions for tourism entrepreneurs	L2

TEXT BOOK:

1. Principles of Tourism Management–Johanna Muller (author), 2016 (edition),Willford Press Publication

REFERENCE:

1. Tourism: Principles and Practices–Sampad Kumar Swain, Jitendra Mohan Mishra (authors), 2011 (edition), Oxford University Press publication
2. Tourism Development: Principles and practices–A.K.Bhatia (author), 2009 (edition), Penguin Books Ltd
3. Tourism Marketing: Principles, Policies and Strategies–Ratandeep Singh (author), 2010 (edition), Kanishka Publishers
4. Principles of Tourism and Hospitality Management, B.K. Kochhar (author), 2011 (edition), Cyber Tech Publications

Mapping Course Outcomes Vs Programme Outcomes

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	-	1	1	-	-	-	-	2	1	1	1	1
CO2	-	1	1	-	-	-	-	2	1	1	1	1
CO3	1	1	1	-	-	1	1	2	1	1	1	1
CO4	-	1	1	-	-	1	1	2	1	1	1	1
CO5	-	1	2	-	-	1	1	2	1	1	1	1
W.AV	0.2	1	1.2	-	-	0.6	0.6	2	1	1	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	-	3	1	1
CO2	-	-	3	1	1
CO3	-	-	3	1	1
CO4	-	-	3	1	2
CO5	-	-	3	1	2
W.AV	-	-	3	1	1.4

S–Strong (3), M-Medium(2), L -Low(1)

இரண்டாம் ஆண்டு - நான்காம் பருவம்				
பாடக்குறியீட்டு எண்:	பள்ளியில் தமிழ் பயிலாத மாணாக்கர்களுக்கான அடிப்படைத் தமிழ்ப் பாடங்கள்	T/P	C	H/W
	இலக்கியமும் மொழிப் பயன்பாடும்	P	2	2
நோக்கம்	➤ மாணவர்கள் தமிழின் சிறப்புகள் அறிதல். ➤ பிழையின்றித் தமிழ் பேசுவதற்குப் பயிற்சி அளித்தல்			
அலகு1	தமிழ் நீதி இலக்கியக் கருத்துக்களை அறிதல் திருக்குறள் (அறன் வலியுறுத்தல்) – 10 குறட்பாக்கள் ஆத்தி சூடி – முதல் 20 பாடல்கள் மூதுரை – முதல் 15 பாடல்கள்			
அலகு2	தமிழின் சிறப்புகளை அறிதல் – (வாய்மொழித் தேர்வு) தமிழ்மொழியின் தொன்மை – சிறப்பு – தமிழ் இலக்கியங்கள் – சங்கப்புலவர்கள் தமிழ்க்காப்பியங்கள் – புதுக்கவிஞர்கள் – குறித்த செய்திகளை அறிதல்			
அலகு3	சொற்களின் பயன்பாடு. அருஞ்சொற்பொருள் அறிதல் – பிரித்து எழுதுதல் – சேர்த்து எழுதுதல் – எதிர்ச்சொல் அறிதல், ஓரெழுத்து ஒரு மொழி அறிதல்			
அலகு4	பிழையின்றித் தமிழ் பேசுவதற்குப் பயிற்சி அளித்தல் (வாய்மொழித் தேர்வு) 1. பழமொழிகள், உவமைகள், மரபுத்தொடர்கள் ஆகியவை குறித்து அறிந்து பேசும் திறன்களை வளர்த்தல். 2. வரவேற்புரை, நன்றியுரை ஆற்றுவதற்குப் பயிற்சி அளித்தல் 3. கதைசொல்லும் திறன்களை வளர்த்தல்.(நீதிக் கதைகள் கூறல்)			

அலகு5	மொழிபெயர்ப்பு
	ஆங்கிலத்திலிருந்து தமிழில் மொழிபெயர்த்தல்
	
	    1. ஆங்கிலச் சொற்களை மொழி பெயர்த்தல்
	
	    2. ஆங்கிலத் தொடர்களைத் தமிழில் மொழிபெயர்த்தல்			

பயன்கள்	➤ அச்சமின்றி தெளிவாக தங்களது கருத்துக்களை மாணவர்கள் எடுத்துரைக்க வழி அறிதல். ➤ சொற்களின் பயன்பாடு, தயக்கமின்றி பேசக் கற்றுக்கொள்வதால் மாணவர்கள் தன்னம்பிக்கை பெறுதல்			

இரண்டாம் ஆண்டு - நான்காம் பருவம்					
பாடக்குறியீட்டு எண்:	பள்ளியில் மேல்நிலைப் படிப்பு வரை தமிழ் பயின்று கல்லூரியில் பகுதி 1-இல் தமிழ் பயிலாத மாணாக்கர்களுக்கான சிறப்புத் தமிழ்ப்பாடங்கள்	T/P	C	H/W	
	பழந்தமிழ் இலக்கியங்களும் இலக்கியவரலாறும்	T	2	2	

நோக்கம் :	➢ மாணவர்கள் தமிழ் மொழியினைக் கற்பதால் அரிய இலக்கியங்களை அறியச் செய்தல் ➢ **வாழ்வியல் அறங்களுக்கு வழிகாட்டுதலாக இருத்தல்**
அலகு -1	**சங்க இலக்கியம்** 1. நற்றிணை – 'நயனும், நண்பும், நாணு ' எனத் தொடங்கும்பாடல் (குறிஞ்சி - 392) 2. குறுந்தொகை பாடல். – 'நெய்தல் இருங் கழி' எனத் தொடங்கும் நெய்தற் பத்து (நெய்தல்) 3. ஐங்குறுநூறு – 'வானம் பாடி வறம்' எனத் தொடங்கும் கிழவன் பருவம் பாராட்டுப் பத்து பாடல். (முல்லை) 4. அகநானூறு – 'கடல்கண் டன்ன' எனத் தொடங்கும் பாடல் (மருதம் - 176) 5. புறநானூறு – 'உண்டால் அம்ம இவ்வுலகம்' எனத் தொடங்கும் பாடல் 182. பிறர்க்கென முயலுநர்! பாடியவர்: கடலுள் மாய்ந்த இளம்பெரு வழுதி.
அலகு -2	**காப்பிய இலக்கியம்** சிலப்பதிகாரம் – அடைக்கலக் காதை (மதுரைக் காண்டம்)

அலகு-3	நீதி இலக்கியம்
	1. திருக்குறள் – அறிவுடைமை – 10 குறட்பாக்கள்
	2. நாலடியார் – மேன்மக்கள் (முதல் பாடல்)
	3. நான்மணிக்கடிகை – 'அஞ்சாமை அஞ்சுக' எனத் தொடங்கும் பாடல் எண்: 27
	4. இனியவை நாற்பது – 'எவது மாறாஇளக்கிளைமை' எனத் தொடங்கும் பாடல் எண்: 3
	5. இன்னா நாற்பது – 'ஆற்றல் இலாதான் பிடித்த படை' எனத் தொடங்கும் பாடல் எண்: 07
அலகு -4	இலக்கியவரலாறு
	1. சங்க காலம் – எட்டுத்தொகை, பத்துப்பாட்டு.
	2. காப்பிய இலக்கிய வரலாறு – ஐம்பெருங் காப்பியங்கள் – ஐஞ்சிறு காப்பியங்கள்
	3. சிற்றிலக்கியங்கள் தோற்றமும் வளர்ச்சியும்
	4. புதுக்கவிதை தோற்றமும் வளர்ச்சியும்.
அலகு -5	இலக்கணம்
	1. சொல்வகை – பெயர், வினை, இடை, உரி
	2. அணி இலக்கணம் – உவமை அணி, உருவக அணி தற்குறிப்பேற்ற அணி, உயர்வு நவிற்சி அணி.
	3. புதுக்கவிதை இலக்கணம் – படிமம் குறியீடு.
பயன்கள்:	➢ அரசுப் பணி பெறுவதற்கான வாய்ப்பினை நல்குதல். ➢ நடைமுறைத் தமிழ் இலக்கியத்தை அறைய உதவுதல்

Semester-IV					
Course code:	**NME**		T/P	C	H/W
	Small Business Management		T	2	2
Objectives	➢ To understand the policy initiatives and infrastructural support for establishing a small scale enterprises ➢ To analyze the opportunities for starting a small enterprise.				
Unit-I	Small Scale enterprises–An Introduction and overview–Definition–Scope and importance – relative advantages of small scale enterprises vis - a – vis –Large and medium scale industries – Efforts to development of SSE- Meaning and concept of entrepreneurship, the history of entrepreneurship development, role of entrepreneurship in economic development, agencies in entrepreneurship management and future of entrepreneurship.				
Unit-II	Policy and institutional infrastructure for small enterprises – Development agencies for small enterprise–small enterprises growth and environmental factors influency– funding agencies and their role in Developing SSE.- Meaning of entrepreneur, the skills required to be an entrepreneur, the entrepreneurial decision process, and role models, mentors and support system.				
Unit-III	Establishing the small scale enterprises–opportunities scanning–Choice of enterprise– Market assessment for SSE–Choice of technology and selection of site– Financing then ew/small enterprise– Preparation of business plan–Ownership structure and organizational framework-Business ideas, methods of generating ideas, and opportunity recognition				
Unit-IV	Operating the small-scale enterprise – Financial management issues in SSE – Operation management issues in SSE – Marketing management issues in SSE- Importance of new venture financing, types of owner ship securities, venture capital, types of debt securities, Determining ideal debt-equity mix, and financial institutions and banks				
Unit-V	Performance appraisal and growth strategies – Management performance assessment and control–Growth and stabilization strategies for small enterprises – Managing family enterprises–Related Cases-Exit strategies for entrepreneurs, bankruptcy, and Succession and harvesting strategy				
Unit-VI	Dynamic Component for Continuous Internal Assessment only: Contemporary Developments Related to the Course during the Semester concerned.				
REFERENCES: MathurS.P.(1979)*Economicsofsmall-scaleindustries*. Siropolis.(1986)*EntrepreneurshipandsmallBusinessManagement* VasantDesai.(1979)*Organizationandmanagementofsmallscaleindustries*.					
Outcomes	➢ Thestudentshouldbeablefindoutasuitableideaforstartingasmallenterprise ➢ The student should be able to visualize the importance of small scale enterprises in economic development.				

Subject Code: 91551	**CABIN CREW MANAGEMENT**	**L T P C** **6 0 0 5**

COURSE OBJECTIVES:

➢ To understand about the cabin crew profession

➢ To know about the life style of a cabin crew in aviation industry

➢ To study about all the in flight services provided in aircraft

➢ To learn about the flight emergencies and situational awareness

UNIT-1 **Crew Profession** **20 Hours**

Introduction to Cabin Crew Profession – History & Origin of Profession – Key Historical Milestones – A Day in the life of a crew member – A day in the life – Benefits and Challenges of the Cabin Crew Profession – Greeting the passenger – Announcements / Briefing – Nature of Job – Servicing the food and beverages – Travel documents checking – Basics of telephone communication – Telephone etiquette

UNIT-2 **Cabin crew Living lifestyle** **10 Hours**

Cabin crew living lifestyle – Nutrition – Grooming practices – Personal Hygiene – Hair and Hairstyles – Make-up & Cosmetics – Jewellery – Eyewear – Ethic mannerism – life style as cabin crew.

UNIT-3 **Risk Management** **10 Hours**

Personal health risk – Health risk links with travel and flying – work pressure – prefight briefing – prefight preparations – Boarding process – Preparing for take-off and landing – Time Management – Stress Management – Identifying factors responsible for stress

UNIT-4 **Roles & Responsibilities** **10 Hours**

Roles, Duties and responsibilities of cabin crew – Transit in Travel – Handling information – Precautions – Handling emergency situations

UNIT-5 **In-Flight Services** **10 Hours**

Galley– Catering and Meal – Pre–Flight Service, Service After Take–Off, Pre–Landing and Post – Landing Service – Meal Service – Meal Codes – Alcoholic Service – Non-Alcoholic Service – Crockery and Cutlery – Waste Management

Total:60 Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	To know about the profession and nature of job of a cabin crew in aviation industry.	**L1**
CO2	To comprehend how is the living lifestyle of cabin crew.	**L2**
CO3	To delve in to the identification and analysation of Risk Management in this cabin crew profession	**L5**
CO4	To understand in detail about the roles and responsibility of a cabin crew.	**L2**
CO5	To understand about all the in-flight services provided by a cabin crew.	**L2**

TEXT BOOKS:

1. Introduction to Cabin Crew, Beverley Goodman (author), April 2015 (edition), Travel and Tourism Publishing Limited
2. Cabin Crew Safety Training Manual, ICAO (author)

REFERENCE:

1. How to become flight attendant, Kara Grand and Hicham Mouzoune(authors), June 2020 (edition),Mouzoune hicham
2. How to Become Cabin Crew,Jessica Bond (author), May 2014 (edition), How 2 Become
3. The Caibn Crew Interview Made Easy, Caitlyn Rogers (author), November 2014 (edition), Spine Bound Books
4. The Complete Flight Attendant Interview Work Book, Sasha Robinson (author), January 2012 (edition), Createspace

WEBSITE LINK:

1. http://www.aviationchief.com/uploads/9/2/0/9/92098238/icao_doc_10002_-_cabin_crew_safety_training_manual_1.pdf

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	3	1	1	1	2	2	1	2	3	1
CO2	1	1	2	2	3	2	1	1	1	2	3	1
CO3	2	1	2	2	2	2	2	2	1	3	2	1
CO4	1	1	2	2	3	2	1	1	1	2	3	1
CO5	1	1	3	1	1	2	1	3	1	2	2	1
W.AV	1.2	1	2.4	1.6	2	1.8	1.4	1.8	1	2.2	2.6	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	1	3	1	1
CO2	3	1	3	1	1
CO3	2	2	2	1	1
CO4	3	1	3	1	1
CO5	2	2	2	1	1
W.AV	2.4	1.4	2.6	1	1

S–Strong (3), M-Medium(2), L -Low(1)

SubjectCode: 91552	**AIR CARGO MANAGEMENT**	**L T P C**
		6 0 0 5

COURSE OBJECTIVES:

➢ To understand about Air Cargo management and its organisations

➢ To know about the various principles of Air Cargo

➢ To study about the cargo handling, acceptance of special cargos

➢ To learn about the documents handling in Air Cargo and Dangerous Goods handling.

UNIT-1   **Cargo Management**   **10 Hours**

Cargo History – Concepts and common terms used in Cargo handling – Rules of Cargo. Cargo Rating – Familiarization of cargo Tariff – Rounding of the weights / Dimensions / Currencies – weight rating – specific commodity rates – general cargo rates - valuation cargos.

UNIT-2   **Introduction to Air Cargo**   **10 Hours**

Air Cargo Terminology – Principles of Air cargo – Acceptance of special cargo – Perishable cargo – Life saving drugs – Human Remains – Restrictions in acceptance of cargo – Identification of cargo.

UNIT-3   **Documents in Air cargo**   **20 Hours**

Understanding freight documentation (AWB, Cargo Manifest, NOTOC) – Airway Bill – Function and completion of the airway bills – Labeling & Marking of Packages – Export & Import Documentation – Cargo Liability – Customs rules and applications

UNIT-4   **Cargo Handling**   **10 Hours**

Handling cargo – Cargo capacity of Air – Cargo needing special attention – Handling of equipment's at airport: Loading and Unloading – Air Freight exports and imports

UNIT-5   **Dangerous Goods Regulation**   **10 Hours**

Handling Dangerous Goods Regulations – Classes of DGR – Package Marking and Labeling – Documentation – DG list of the ICAO

Total:60 Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	To understand the role of air transportation in logistics and learn its significance, regulations, and influences in the industry.	**L2**
CO2	To develop and learn the intricacies of determining freight rates for air Cargo and its competition in air logistics.	**L3**
CO3	To explore various service levels in air cargos, handling, limitations and to learn about its devices, mail and documentation needed for processing.	**L4**
CO4	To learn about regulatory compliance, industrial resources and how theRoles of freight forwarders vary between international and domestic standards.	**L2**
CO5	To learn about intermediaries in air cargo and the different warehousing agents related to air cargo and learning about the dangerous goods regulations.	**L2**

TEXT BOOKS:
1. Air Cargo Management :Air Freight and the Global Supply Chain, Michael Sales and Sebastiaan Scholte (authors), 2023 (edition), Routledge
2. Air Cargo Management, R.Thangamani (author), 2021 (edition), Bavatharani Publications

REFERENCE:

1. Dynamic Capacity Control in Air Cargo Revenue Management, Rainer Hoffmann (author), 2013 (edition), KIT scientific Publishing
2. Risk Management in the Air Cargo Industry: Revenue Management, Capacity Options and Financial Intermediation – Paul Hertwig, Diplomica Verlag Publishing, 2010
3. Logistics & Air Cargo Management, Shri.N.V.Suresh, Dr.Deepa Rajesh, Dr.V.Suganya (author), January 2021 (edition), Iterative International Publisher IIP
4. Dangerous Good Regulations (DGR), IATA (author), January 2016 (edition), International Air Transport Association (IATA)

Mapping Course Outcomes Vs Programme Outcomes

CO /PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	-	2	2	1	1	1	1	1	1	1
CO2	1	1	1	2	-	1	1	1	1	1	1	1
CO3	1	1	2	2	1	2	1	1	1	1	1	1
CO4	1	1	-	1	1	1	1	1	1	1	1	1
CO5	1	1	1	1	1	1	1	1	1	1	1	1
W.AV	1.2	1	0.8	1.6	1	1.2	1	1	1	1	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	1	1	1	1
CO2	1	1	1	1	2
CO3	2	1	1	2	2
CO4	1	1	1	1	1
CO5	1	1	1	1	2
W.AV	1.4	1	1	1.2	1.6

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91553A	BUSINESS RESEARCH METHODOLOGY	L T P C 5 0 0 4

COURSEOBJECTIVES:

- ➢ To understand about the fundamental factors of Business research
- ➢ To learn about the research designs and types
- ➢ To study about the importance of data's and data collection
- ➢ To learn about report writing

UNIT – 1   **Introduction to Business Research**   **10 Hours**

Research–meaning–scopeandsignificance–Typesofresearch–ResearchProcess– Characteristics of good research – Scientific method – Problems in research – Identifying research problem–objectivity in research.–sampling design–meaning –concepts–steps in sampling – criteriaforgoodsampledesign–Typesofsampledesigns–Probabilityandnon–probability samples.

UNIT – 2   **Research Design**   **10 Hours**

Hypothesis: meaning – sources – Types – formulation Research design – Types – features of good design–measurement–meaning–needErrorsinmeasurement–Testsofsoundmeasurement Techniques of measurement – scaling Techniques – meaning – Types of scales – scale construction techniques.

UNIT– 3   **Data Collection**   **10 Hours**

Data collection: Types of data – sources – Tools for data collection methods of data collection – constructing questionnaire – Pilot study – case study – Data processing: coding – editing – and tabulation of data – Data analysis.

UNIT– 4   **Test of Significance**   **10 Hours**

Test of Significance: Assumptions about parametric and non-parametric tests. Parametric Test –Chi square, T test, F Test and Z test – Non Parametric Test – U Test, Kruskal Wallis, Sign test. Introduction to ANOVA One way, Two way, Multivariable (No problems)

UNIT – 5   **Report Writing**   **20 Hours**

Interpretation–meaning–TechniquesofInterpretation–Reportwriting:Significance–Report writing:-Stepsinreportwriting–Layoutofreport–Typesofreports–Oralpresentation– executive summary–mechanics of writing research report – Precautions for writing report –Norms for using Tables, charts and diagrams – Appendix:- norms for using Index and Bibliography.

Total:60 Hours

COURSEOUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	Students will understand the concept, process, design, tools and techniques of RM	**L2**
CO2	To enable the students to apply tools, techniques/ methods to assist various functions of management.	**L4**
CO3	To learn about various analyse the data collected	**L4**
CO4	This course will be evaluating the results, interpret and present findings.	**L5**
CO5	To learn about preparing research report	**L2**

TEXT BOOK:

1. Business Research Methods – Donald R. Cooper and Pamela S. Schindler – Tata McGraw Hill, 2019

REFERENCE BOOKS:

1. Research Methods for management and Commerce– RaoK.V.,Sterling,2018
2. Business Research Methods, Emory & Cooper, 2010
3. Research Methodology, Kothari C.R, 2012

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	1	1	1	1	1	1	1	1	1
CO2	1	1	1	1	1	1	1	1	1	1	1	1
CO3	1	1	1	1	1	-	-	1	1	1	1	1
CO4	1	1	1	1	-	1	1	1	1	1	1	1
CO5	-	1	1	-	-	1	1	1	1	1	1	1
W.AV	0.8	1	1	0.8	0.6	0.8	0.8	1	1	1	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	1	1	2	2
CO2	2	1	2	2	2
CO3	1	1	1	1	1
CO4	2	1	2	1	1
CO5	1	1	2	1	2
W.AV	1.4	1	1.6	1.4	1.6

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91553B	CONSUMER BEHAVIOR	L T P C
		5 0 0 4

COURSE OBJECTIVES:

- To learn about consumer behavior and consumer satisfaction
- To study about the consumer research and motivation
- To understand about consumer learning and attitude
- To identify the social and cultural influences on consumer behaviour

UNIT–1 Introduction to Consumer Behaviour   10 Hours

Consumer Behaviour — definition - Scope & Need of consumer behavior — Discipline of consumer behaviour- Indian Consumer—Customer Value Satisfaction— Retention-Strategies for Customer Retention — Marketing ethics.

UNIT–2 Consumer Research, Motivation and Perception   10 Hours

Consumer research —Nature of Consumer Research - Paradigms —Quantitative & Qualitative Methods – The process of consumer research – Role of Research in Understanding Consumer Behaviour- consumer motivation — dynamics — types — measurement of motives — consumer perception

UNIT– 3   Consumer Learning and Attitude   10 Hours

Consumer Learning—Nature, Principles & Process- Behavior all earning theories— Measures of consumer learning— Consumer attitude–Models of Consumer Attitude—formation-—Strategies for attitude change.

UNIT–4 Social and Cultural Influences on Consumer behavior 10 Hours

Social class Consumer Behaviour- Group- Nature- Types- Family – Roles & Types- Family Life Cycle- Categories — Lifestyle Profiles of consumer classes — Culture – Cross Cultural Customers Behaviour Strategies.

UNIT–5 Consumer Decision Making and Opinion Leadership   20 Hours

Consumer Decision Making — Buying role of Consumer- Types of consumer decision making — A Model of Consumer Decision Making- Problem Recognition- Post purchase processes- Opinion Leadership — Dynamics & Measurement of Opinion Leadership.

TOTAL: 60 Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	To enable the students to learn the basics of consumer behaviour and its objectives, discipline of consumer behaviour, customer value Satisfaction and marketing ethics.	L1
CO2	Students will understand about consumer research in a better manner, The process of consumer research and motivation.	L2
CO3	To understand the behavioural learning theories and measures of Consumer learning, consumer attitude and strategies for attitude change.	L4
CO4	Impart the knowledge of social class of consumer behaviour, lifestyle profiles of consumer classes and cross cultural consumer behaviour strategies.	L4
CO5	To enrich the students' knowledge towards the consumer decision Making process to choose the product or service.	L5

TEXT BOOKS:

1. Consumer Behavior- Michael R.Solomon, Tapan Kumar Panda, Pears on Publication 13e-2020
2. Consumer Behavior– David Loudon, Albert Della Bitta, Mc Graw Hill Education,2017.

REFERENCE:

1. Consumer Behavior – Leon G.Schiffman, Pearson Education, 2010.

2. Consumer Behavior: Building Marketing Strategy,
   Hawkins (Author), Motherbaugh (Author), Mookerjee (Author), Mc Graw Hill Education, 2017.

3. Consumer Behavior,by Kumar LeonG., Schiffman; Joe, Wisenblit; S.Ramesh, Pearson Education, 2018

4. Consumer Behavior: Building Marketing Strategy, by David L.Mothersbaugh, DelI. Hawkins, Susan Bardi Kleiser, Amit Mookerji, McGraw Hill Education, 2022.

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	1	1	1	1	2	1	1	1	2
CO2	1	1	1	-	1	1	1	2	2	1	1	1
CO3	1	1	1	1	-	1	1	2	2	2	1	1
CO4	1	1	1	-	1	1	1	1	1	1	1	1
CO5	1	1	1	1	1	1	1	1	1	1	1	1
W.AV	1	1	1	0.6	0.6	1	1	1.6	1.4	1.2	1	1.2

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	1	1	1	1
CO2	1	1	1	1	1
CO3	1	1	2	1	1
CO4	1	1	1	1	1
CO5	2	1	2	1	1
W.AV	1.2	1	1.4	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91553C	CUSTOMER RELATIONSHIP MANAGEMENT	L T P C 5 0 0 4

COURSE OBJECTIVES:

➢ To study about the fundamentals of CRM

➢ To get knowledge about Relationship Marketing

➢ To understand about the IT support in CRM

➢ To study about the analytical and data analysis of CRM

UNIT-1   **Introduction to CRM**   **10 Hours**

CRM concepts - Acquiring customers, - Customer loyalty and optimising customer relationships - CRM defined - success factors, the three levels of Service/ Sales Profiling -Service Level Agreements (SLAs), creating and managing effective SLAs.

UNIT– 2   **Relationship Marketing**   **10 Hours**

CRM in Marketing - One-to-one Relationship Marketing - Cross Selling & Up Selling- Customer Retention, Behaviour Prediction - Customer Profitability & Value Modeling, - Channel Optimization - Event-based marketing. - CRM and Customer Service - The Call Centre, Call Scripting - Customer Satisfaction Measurement.

UNIT– 3   **IT Support in CRM**   **10 Hours**

Sales Force Automation - Sales Process, Activity, Contact- Lead and Knowledge Management - Field Force Automation. - CRM links in e-Business - E-Commerce and Customer Relationships on the Internet - Enterprise Resource Planning (ERP), - Supply Chain Management (SCM), - Supplier Relationship Management (SRM), - Partner Relationship Management (PRM).

UNIT-4   **Analytical & Data analysis**   **10 Hours**

Analytical CRM - Managing and sharing customer data - Customer information databases - Ethics and legalities of data use - Data Warehousing and Data Mining concepts - Data analysis - Market Basket Analysis (MBA), Click stream Analysis, Personalization and Collaborative Filtering.

UNIT-5   **CRM Implementation & Tools**   **20 Hours**

CRM Implementation – Defining success factors – Preparing a business plan requirement, justification and processes. - Choosing CRM tools – Defining functionalities – Homegrown versus out-sourced approaches - Managing customer relationships – conflict, complacency, Resetting the CRM strategy. Selling CRM internally – CRM development Team - Scoping and prioritising - Development and delivery – Measurement.

Total:60 Hours

COURSE OUTCOMES:

On successful completion of this course, the student will be able to;		Knowledge Level
CO1	Students will understand about the customer relationship marketing, basis of building relationship, types of relationship Marketing and Customer lifecycle.	**L2**
CO2	To understand the concepts of CRM and relationship marketing, Importance of customer divisibility in CRM.	**L2**
CO3	To impart the knowledge about sales force automation, contact management, enterprise marketing management and customer Relationship management in India.	**L4**
CO4	Understand the value chain concept of CRM, Integration business management, Benchmarks and metrics culture change alignment with customer ecosystem.	**L2**
CO5	To enhance the knowledge of data base uses and processes in CRM, Database marketing, data warehouse and data mining, to analyse customer relationship technologies and best practices in marketing technology.	**L3**

TEXT BOOKS:

1. Customer Relationship Management: Concepts & Cases– Rai. A.K, Prentice Hall India Learning Pvt Ltd, 2012.

2. Alok Kumar Rai, CUSTOMER RELATIONSHIP MANAGEMENT CONCEPT & CASES, Prentice Hall of India Private Limited, NewDelhi. 2011

REFERENCE BOOKS:

1. Customer Relationship Management- G.Shainesh, Jagdish N.Sheth, Laxmi Publications, 2016.

2. Customer Relationship Management: Concepts & Technologies– Francis Buttle, Stan Maklan, Routledge – 2015.

3. S.Shanmugasundaram, CUSTOMER RELATIONSHIP MANAGEMENT, Prentice Hall of India Private Limited, New Delhi, 2008

4. Kaushik Mukherjee, CUSTOMER RELATIONSHIP MANAGEMENT, Prentice Hall of India Private Limited, New Delhi, 2008

5. V.Kumar & Werner J.,CUSTOMER RELATIONSHIP MANAGEMENT, Willey India, 2008

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	1	1	1	1	2	1	2	1	2
CO2	1	1	1	-	-	1	1	1	1	1	1	1
CO3	1	1	1	1	1	2	2	1	1	1	1	1
CO4	1	1	1	1	1	1	1	1	1	1	1	1
CO5	1	1	1	1	1	1	2	2	1	1	1	1
W.AV	1	1	1	0.8	0.8	1.2	1.4	1.4	1	1.2	1	1.2

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	1	2	1	1
CO2	2	2	2	1	1
CO3	2	1	2	1	1
CO4	2	2	2	1	1
CO5	2	2	2	2	2
W.AV	1.8	1.6	2	1.2	1.2

S–Strong (3), M-Medium(2), L -Low(1)

PART–III DSE–
ELECTIVE –II

Subject Code: 91554A	HUMAN RESOURCES MANAGEMENT	L T P C
		5 0 0 4

COURSE OBJECTIVES:

- To learn about the fundamental concept and structure of Human Resources Management
- To get knowledge about the recruitment and selection process in a HR department
- To understand about the training and development in an organisation
- To study about the job evaluation and relationship management

UNIT-1   **Introduction to HR**   **10 Hours**

Human Resources Management - Context and Concept of People Management in a Systems Perspective - Organisation and Functions of the HR and Personnel Department - HR Structure and Strategy; Role of Government and Personnel Environment including MNCs.

UNIT–2   **Recruitment & Selection**   **20 Hours**

Recruitment and Selection - Human Resource Information System [HRIS] - Manpower Planning - Selection – Induction & Orientation - Performance and Potential Appraisal - Coaching and Mentoring - HRM issues and practices in the context of Outsourcing as a strategy.

UNIT-3   **Training & Development**   **10 Hours**

Human Resources Development –Training and Development Methods - Design & Evaluation of T&D Programmes - Career Development - Promotions and Transfers - Personnel Empowerment including Delegation - Retirement and Other Separation Processes.

UNIT-4   **Job Evaluation**   **10 Hours**

Financial Compensation- -Productivity and Morale - Principal Compensation Issues &Management - Job Evaluation - Productivity, Employee Morale and Motivation - Stress Management - Quality of Work Life.

UNIT– 5   **Building Relationships**   **10 Hours**

Building Relationships– Facilitating Legislative Framework – Trade Unions- Managing Conflicts-Disciplinary Process - Collective Bargaining - Workers Participation in Management - Concept, Mechanisms and Experiences.

Total:60 Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	To understanding of the concepts of HRM and its importance in the organization.	**L2**
CO2	It inculcate the essential skill sets required to function as an HR Manager	**L3**
CO3	This course integrate the knowledge of HR concepts to take the best managerial decisions	**L5**
CO4	This course contribute to the implementation and evaluation of plans related to employee recruitment, selection, appraisal processes in an Organization	**L5**
CO5	It evaluate and implement employee training and development Programs	**L4**

TEXT BOOKS:

1. Venkata Ratnam C. S. & Srivastava B. K.,PERSONNEL MANAGEMENT AND HUMAN RESOURCES, Tata Mc-Graw Hill, NewDelhi,,
2. Aswathappa, HUMAN RESOURCE MANAGEMENT,Tata Mc GrawHill, NewDelhi, 2010

REFERENCE:

1. Human Resource Management- Gary Dessler & Biju Varrkey (authors), 2020 (edition), Pearson Publications
2. Human Resource Management – VSP. Rao (author), 2023 (edition),Taxmann Publication
3. Human Resource Management– L.M. Prasad (author), 2018 (edition), Sultan Chand & Sons Publications
4. Human Resource Management Essentials You Always Wanted To Know (Self-Learning Management Series), Jaquina Gilbert (author), 2020 (edition), Vibrant Publishers

Mapping Course Outcomes Vs Programme Outcomes

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	1	1	1	2	1	1	2	2	1
CO2	2	1	1	1	-	1	1	1	1	2	1	2
CO3	2	1	1	1	1	1	2	2	1	1	2	2
CO4	2	1	1	1	1	1	2	2	2	1	1	2
CO5	1	1	1	1	1	1	2	2	2	1	3	1
W.AV	1.6	1	1	1	1.8	1	1.8	1.6	1.4	1.4	1.8	1.6

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	1	1
CO2	1	1	1	1	1
CO3	3	2	2	1	1
CO4	2	2	2	1	1
CO5	2	2	2	1	1
W.AV	2.2	1.8	1.8	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91554B	ECONOMICS FOR EXECUTIVES	L T P C
		5 0 0 4

COURSE OBJECTIVES:

> To study about the principles and concepts of Business Economics

> To make analysis about the production and cost analysis

> To study about the pricing concepts under factors of production

> To learn about the market structures and prices

UNIT-1   Objective of Business Firm and Demand Analysis   20 Hours

Objectives of business firms – Profit Maximization - Social responsibilities - Demand analysis - Law of Demand - Elasticity of demand - Risk Theory - Uncertainty theory.

UNIT– 2   Production and Cost Analysis   10 Hours

Production function - Factors of production - Laws of diminishing returns and Law of variable proportions - Economics of Scale – Cost and Revenue Curves - Break - even- point analysis

UNIT– 3   Market Structure and Prices   10 Hours

Market structure and prices - Pricing under perfect Competition - Pricing under Monopoly- Price discrimination - Pricing under Monopolistic competition – Oligopoly

UNIT– 4   Pricing under Factors of Production   10 Hours

Pricing under factors of production; wages - Marginal productivity theory - Interest - Keyne's Liquidity preference theory – Theories of Profit - Dynamic theory of Profit.

UNIT– 5   Government and Business   10 Hours

Government and Business - Performance of public enterprises in India - Price policy in public utilities, Government measures to control Monopoly in India – Competition Act 2002.

TOTAL: 60 Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	To understand the basics of economics, social responsibilities, demand analysis and law of demand.	**L2**
CO2	Imparting the knowledge about production function, factors of production, Law of variable proportions and economics of scale of productivity.	**L3**
CO3	Students will understand the concept of market structure and prices, pricing under perfect competition and Price discrimination.	**L2**
CO4	To impart the knowledge of economic concepts of production, marginal productivity theory, keynes's liquidity preference theory and dynamic theory of profit.	**L3**
CO5	To make the students understand about the role of government in business, performance of public enterprises in India, Price policy inpublic utilities and Government measures to control monopoly in India.	**L2**

TEXT BOOKS:

1. Economic & Commercial Laws [CS Executive]– Tejpal Sheth,Taxmann Publications, 2017.

2. Executive Economics: Ten Tools for Business Decision Makers: Ten Essential Tools for Managers, by Shlomo Maital, Pearson Education- 1994.

REFERENCE BOOKS:

1. Economic & Commercial Laws [CS Executive]– Sangeet Kedia, Pooja Law Publishing, 2017.

2. Environmental Policy and Market Structure (Economics, Energy Environment), Carlo Carraro, Y. Katsoulacos, A. Xepapadeas, Springer publication, 2010.

3. Koutsoyiannis,A.(2000) Modern Micro economics, (2nd Edition), Macmillanpress, London

4. Layard,P.R.G.and Walters,A.W.(1978), Microeconomic Theory, Mc Graw Hill, London

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	-	-	1	1	1	1	1	1	1
CO2	1	1	1	-	-	2	1	1	1	1	1	1
CO3	-	1	1	1	1	1	1	1	1	1	1	1
CO4	1	1	1	1	-	1	1	-	1	1	1	1
CO5	1	1	1	1	1	1	1	-	1	1	1	-
W.AV	0.8	1	1	0.6	0.4	1.2	1	0.6	1	1	1	0.8

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	1	1
CO2	1	1	1	1	1
CO3	2	1	2	1	1
CO4	1	1	2	1	1
CO5	2	1	2	1	1
W.AV	1.6	1.2	1.8	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91554C	RETAIL MANAGEMENT	L T P C
		5 0 0 4

COURSEOBJECTIVES:

➢ To understand about the fundamentals and concepts of Retailing

➢ To study about layout and design of interior

➢ To learn about the pricing strategies

➢ To know about International Retailing

UNIT– 1   Overview of Retailing   20 Hours

An overview of Retailing - Types of stores - Product Retailing vs. Service Retailing - Non store Retailing - Retail strategy - Achieving competitive advantage and positioning Retailing environment - Legal, Social, Economic, Technological, issues - Trends in the Indian Retailing Industry.

UNIT-2   Layout and Design   10 Hours

Retail store location and layout - Country/Region analysis - Trade area analysis - Site evaluation and selection-Store design and layout- Comprehensive store planning- Exterior designand layout -Interior store design and layout –Interior design elements.

UNIT-3   Pricing Strategies   10 Hours

Planning merchandise needs and merchandise budgets - Methods for determining inventory evaluation - Assortment planning, buying and vendor relations - Merchandise pricing - Price strategies - Psychological pricing - Mark-up and markdown strategies.

UNIT-4   Promotion   10 Hours

Communicating with the retail customer - Retail promotion mix Advertising - Sales promotion - Publicity - Retail selling process - Retail database- In-store customer service.

UNIT– 5   International Retailing   10 Hours

Globalisation and changing retail formats – Online retailing - International Retailing – Opportunities and Challenges - Market entry formulas - New customised formats (customised stores, portable stores, merchandise depots, retail theatre, service malls, customer-made stores, interactive kiosk 'shopping arcades')

Total:60 Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	To understand the retailing process and its nature, classification and importance and also the factors influencing retailing, imparting the recent Trends in retailing and retailers and foreign market policies.	**L2**
CO2	To enhance the knowledge of strategic retail planning process and its operations, to know about the departmental stores, discount stores, Super market and warehouse clubs.	**L4**
CO3	To guide the students in enhancing setting up retail organization and factors affecting it, setup of types of layouts and learning the techniques for Controlling cost and reducing inventories loss.	**L4**
CO4	To make the students understand the evolution of retailing and focusing on the drivers of retail change in India and its impact of FDI and challenges to Retail developments of India.	**L5**
CO5	Focusing on strategic planning in global retailing and challenges facing in Global retailers and threats in global retailing and its factors affecting in retailing strategy	**L4**

TEXT BOOKS:

1. Chetan Bajaj, Tuli & Srivastava, RETAIL MANAGEMENT,Oxford University Press,New Delhi. 2010
2. Fernie, PRINCIPLES OF RETAILING, Elsevier Publishing,2010

REFERENCES:

1. Giridhar Joshi, INFORMATION TECHNOLOGY FOR RETAIL, Oxford UniversityPress, New Delhi.2009
2. Ron Hasty and James Reardon, RETAIL MANAGEMENT. Mc Graw Hill Publication, International Edition.
3. Swapna Pradhan, RETAIL MANAGEMENT, TEXT & CASES, Tata Mc Graw-Hill Publishing Co, New Delhi, 2008
4. Retail Management– Astrategic Approach- Barry Berman and Joel REvans,RITU Srivastava 13th edition .
5. Retail Management text and cases- U.C.Mathur.
6. Retail Management- A Global perspective text and cases by Dr.Harjit Singh.
7. Retailing Management- 9th edition- Micheallevy, Barton Weitz, Dhruv Grewal.

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	-	-	1	1	1	1	1	1	1
CO2	1	1	1	-	-	-	1	1	1	1	1	1
CO3	1	1	1	1	1	1	1	1	1	1	1	1
CO4	1	1	1	-	1	1	2	1	2	1	1	1
CO5	1	1	1	1	1	1	1	1	1	1	1	1
W.AV	1	1	1	0.4	0.6	0.8	1.2	1	1.2	1	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	1	2	1	1
CO2	1	2	2	1	1
CO3	1	2	2	1	2
CO4	1	2	2	1	1
CO5	1	1	2	1	1
W.AV	0.8	1.6	2	1	1.2

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91555A	AIR REGULATIONS	L T P C
		5 0 0 4

COURSEOBJECTIVES:

- To learn about the legal background of aviation
- To study about the rules and regulations connected with air transportation
- To know about the Indian Civil Aviation authorities and regulations
- To learn about aircraft rules and international conventions

UNIT– 1   Indian Civil Aviation   10 Hours

Indian Civil Aviation - Civil Aviation Regulations Authority - DGCA-Introduction to Directorate General of Civil Aviation- DGCA functions-DGCA Organization-DGCA as Regulatory Authority– Liabilities and Limitations of DGCA – National Legislation

UNIT– 2   Aircraft Rules   10 Hours

Aircraft Rules - Aircraft Act 1934 - The Aircraft Rules 1937 - The Airports Authority of India Act 1994 (55 of 1994)- The Carriage by Air Act, 1972 (69 of 1972)- The Tokyo Convention Act,1975 (20 of 1975) - The Anti-hijacking Act, 1982 (65 of 1975) - The suppression of unlawful actsagainst safety of Civil Aviation Act, 1982 (66 of 1982)

UNIT– 3   Air corporations Act   10 Hours

The Air Corporations Act, 1953 (27 of 1953) – The Air Corporations (Transfer of Undertakings and Repeal) Ordinance, 1994(4 of 1994) - The Air Corporations (Transfer of Undertakings and Repeal) Act, 1994 (13 of 1994)- The International Airports Authority of India act,1971 (43 of 1971)-The National Airports Authority of India, 1985 (64 of 1985)

UNIT– 4   Civil Aviation Requirements (CAR)   20 Hours

Civil Aviation Requirements (CAR) - Section 1-General - Section 2-Airworthiness - Section 3-Air Transport - Section 4-Aerodrome standards and Air Traffic Services - Section 5-Air Safety -Section 6-Design standards and type certification - Section7-Flight crew standards, training and licensing - Section 8-Aircraft operations

UNIT– 5   International Conventions   10 Hours

The Chicago conventions, 1944 - The International Air Services Transit Agreement, 1944 - The International Air Transport Agreement, 1944 - The Warsaw Conventions, 1920 - The Geneva Convention, 1948 - The Rome Convention, 1952 - The Tokyo Convention, 1963

Total: 60Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	To understand about the foundations of Indian Civil Aviation and its importance within the national transportation system and to Comprehend the role and functions of the Directorate General of Civil Aviation (DGCA) as the regulatory authority overseeing civil Aviation in India.	**L2**
CO2	To interpret the aircraft act 1934 and aircraft rules in regulating Various aspects of civil aviation.	**L3**
CO3	To Examine acts like The Air Corporations Act and The Air Corporations Act, The International Airports Authority of India Act and The National Airports Authority of India Act understanding their Impact on the organization and operation of air corporations.	**L4**
CO4	To understand and familiarize the structure of Civil Aviation Requirements for aspects of civil aviation and to develop skills necessary to navigate the regulatory landscape for compliance in the industry.	**L2**
CO5	To explore key international conventions in aviation and understand Their roles in establishing international standards and regulations.	**L4**

TEXT BOOK:

1. Aviation and the Law– Laurence E.Gesell, Coast Aire Publications,2005.

REFERENCE BOOKS:

1. Routledge Handbook of Public Aviation Law- Paul Stephen Dempsey, Ram S Jakhu, Routledge, 2016

2. Civil Aviation Requirements, Part I & II, DGCA, 2010

3. Air Regulations and Human Factors, Wing Commander R.K. Bali (author), 2023(edition), Sterling Book House

4. A Handbook on Air Regulations for Pilots,V.Krishnan & S.R.Iyer with a fore word by A.K.Chopra (authors), 2014 (edition), The English Book Store

Mapping Course Outcomes Vs Programme Outcomes

CO /PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	1	1	1	1	1	1	1	1	1
CO2	1	1	1	1	1	1	1	1	1	1	1	1
CO3	1	1	1	1	1	1	1	1	1	1	1	1
CO4	1	1	1	1	1	1	1	1	1	1	1	1
CO5	1	1	1	1	1	1	1	1	1	1	1	1
W.AV	1	1	1	1	1	1	1	1	1	1	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	1	1	1	1
CO2	1	1	1	1	1
CO3	1	1	1	1	1
CO4	1	1	1	1	1
CO5	1	1	1	1	1
W.AV	1	1	1	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91555B	**AIR TRAFFIC CONTROL**	**L T P C** **5 0 0 4**

COURSE OBJECTIVES:

➢ To learn about the basic concepts of ATS

➢ To study about the ATS routes and operational activities

➢ To know about the Air Radar Services in aviation

➢ To study about the Aerodrome data and aids used

UNIT-1   Basic Concept Objectives of ATS   10 Hours

Basic Concept Objectives of ATS – Parts of ATC Service – Scope and Provision of ATC's – VFR & IFR Operations – Classification of ATS Air Spaces – Various kinds of separation Meteorological Support providing ATS – Division of Responsibility of Control

UNIT– 2   Air Traffic Services   10 Hours

Air Traffic Services – Area Control Service, Assignment of Raising levels minimum Flight Altitude ATS routes &+ Significant Points – RNAV and RNP – Vertical, Lateral and Longitudinal Separations based on Time / Distance ATC clearance – Flight plans- Position report

UNIT-3   Air Radar Service   20 Hours

Flight Information Alerting Services, Coordination, Emergency Procedure and Rule of the Air Radar Service, Basic Radar Terminology, Identification Procedures using Primary/ Secondary radar- Performance Checks – Use of Radar in Area and Approach Control Service – Issuance Control and Coordination between Radar/ Non Radar Control – Emergencies – Flight Information and Advisory Service – Alerting Service – Coordination and Emergency Procedure – Rules of the Air

UNIT– 4   Aerodrome Data   10 Hours

Basic Terminology – Aerodrome Reference Code Aerodrome Reference Point – Aerodrome Reference Temperature Instrument Runway, Physical Characteristic; Length of Primary/ Secondary Runway Width of the Runways – Minimum Distance between Parallel Runways etc- Obstacles

UNIT– 5   **Visual Aids**   **10 Hours**

Visual Aids for Denoting Obstacles Emergency and other Services: Visual aids for Navigation; Wind Direction Indicator – Landing Direction Indicator Location and Characteristics of Signal Area – Marking General Requirements – Various Markings – Lights, General Requirements Aerodrome Beacon, Identification Beacon- Simple Approach Lighting System and Various Lighting Systems – VASI & PAPI. Visual Aids for Denoting Obstacles; Object to be Marked and Lighter – Emergency and Other Services.

Total:60 Hours

COURSE OUTCOMES:

On successful completion of this course, the student will be able to;		Knowledge Level
CO1	To develop knowledge on the fundamentals of air traffic services which Includes separation and meteorological support.	**L3**
CO2	To understand ATC clearances and flight management, area control and ATC procedures which include separation techniques.	**L2**
CO3	To unravel the science behind radar services in ATC and to learn about flight Information to secure aviation operations.	**L4**
CO4	To Grasp the foundation terminologies for aerodromes and to be able to Identify physical characteristics for airports.	**L2**
CO5	To explore the significance of visual aids at airports and to gain an insight In to emergency and other essential services provided at airports.	**L4**

TEXT BOOK:

1. Manual of Air Traffic Services, AAI (author)

REFERENCES:

1. Air Traffic Control:– Airport Systems- Planning, Design and management By Richardde Neufville/ Amedeo Odoni
2. Investigating human Error– Barry Strauch-Ashgate PublishingLimited.
3. Staffing the ATM System– Hinnerk Eibfeldt, Mike C. Heil and Dana Broach– Ashgate Publishing Limited
4. Inovation and Consolidation in Aviation– Graham Edkins and Peter Pfister– Ashgate Publishing Ltd

WEBSITE LINK:

https://aim-india.aai.aero/sites/default/files/ais_docs/Manual%20of%20Air%20Traffic%20Services%2C%20Part-1%206th%20Edition%2002Sep2021.pdf

Mapping Course Outcomes Vs Programme Outcomes

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	1	1	1	1	1	1	1	1
CO2	2	1	1	1	1	1	1	1	1	1	1	1
CO3	2	1	1	1	1	1	1	1	1	1	1	1
CO4	2	1	1	3	3	2	2	1	1	1	1	1
CO5	2	2	2	2	2	2	2	1	1	1	1	1
W.A V	2	1.2	1.2	1.6	1.6	1.4	1.4	1	1	1	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	1	2	2
CO2	2	2	1	2	2
CO3	2	2	1	2	1
CO4	2	2	1	2	1
CO5	2	2	1	2	2
W.AV	2	2	1	2	1.4

S–Strong (3), M-Medium(2), L -Low(1)

PART–III DSE–
ELECTIVE –III

Subject Code: 91555C	AVIATION SAFETY MANAGEMENT	L T P C 5 0 0 4

COURSE OBJECTIVES:

➢ To study about the Basics of Aviation Safety Management
➢ To analyse about the Human factors in aviation safety
➢ To understand about the various aviation safety programs
➢ To learn about Airport emergency response plan

UNIT-1 **Introduction** **10 Hours**
Aviation safety – Meaning, Need, Economic of Aviation safety – Safety Vs Mission – Zero Accident Rate – Accident Causes – Multiple Vs Single Cause – Aircraft Accident – Aircraft Mishap – Aircraft Incident – Building Aviation Safety Program.

UNIT-2 **Human Factors in Aviation safety** **10 Hours**
Theory of Risk – Changing the behavior of the risk takers – Attitudes – Discipline – Punishment – Protection of Safety – Motivating Safe Behaviour – Training involving human factors – Human Performance Concerns – Human Performance Factors.

UNIT-3 **Aviation safety program elements** **20 Hours**
Internal Reporting Systems – Information Distribution systems – Aviation Safety Committees – Aviation safety Inspection Programs – Aviation safety program evaluation– Flight operation safety inspection – Aviation safety education and training – Accident preparation and investigation.

UNIT -4 **Aircraft Maintenance Safety** **15 Hours**
Aircraft Discrepancies – Delayed and Deferred Discrepancies – Training – Configuration control – Maintenance Engine Runs and Taxiing– Maintenance Test Flights– Maintenance Analysis– Maintenance Safety Programs – Maintenance Safety Inspections.

UNIT-5 **Airport Emergency Response Plan** **5 Hours**
Airport Certification Manual– Airport Emergency Plan– Airports/ Heliports Criteria– Airport and Heliport Safety Inspections.

Total:60 Hours

COURSE OUTCOMES:

On successful completion of this course, the student will be able to;		Knowledge Level
CO1	To gain insights in to aviation safety management, accident and incident, Building aviation safety program.	**L4**
CO2	To understand the involve men to human factors in aviation safety.	**L2**
CO3	To learn to know the Aviation safety program and internal reporting system.	**L2**
CO4	To understand about the Aircraft maintenance safety regulations and Appropriate inspections	**L2**
CO5	To get knowledge about the airport emergence response plans initiated During any emergencies	**L1**

TEXT BOOK:

1.Safety Management Manual, ICAO (author), 2018 (edition), ICAO

REFERENCES:

1. Safety Management Systems in Aviation, Alan J.Stolzer, John J.Goglia (authors), August 2015 (edition), Routledge
2. Aviation Safety Management Systems, Richard Yeun, Paul Bates, Patrick Murray (authors)
3. Safety Management Systems in Aviation, Alan J Stolzer, Robert L Sumwalt, John J Goglia (authors), April 2023 (edition), Routledge
4. Aviation Risk and Safety Management, Roland Mullar, Andreas Wittmer, Christopher Drax (authors), April 2014 (edition), Springer Charm

WEBSITE LINK:

1. https://www.researchgate.net/publication/272407153_Aviation_safety_management_systems
2. https://skybrary.aero/sites/default/files/bookshelf/5863.pdf

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	2	2	1	2	2	1	1	1	1	1
CO2	2	1	2	2	1	2	2	1	1	1	1	1
CO3	2	1	2	2	1	2	2	1	1	1	1	1
CO4	2	1	2	2	1	2	2	1	1	1	1	1
CO5	2	1	2	2	1	2	2	1	1	1	1	1
W.AV	2	1	2	2	1	2	2	1	1	1	1	1

S –Strong (3), M- Medium (2), L - Low (1)

Mapping Course Outcomes Vs Programme Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	1	2	1
CO2	2	2	1	1	1
CO3	2	2	1	2	1
CO4	2	2	1	1	1
CO5	2	2	1	1	1
W.AV	2	2	1	1.4	1

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91561	**AVIATION SAFETY & SECURITY**	**L T P C**
		5 0 0 4

COURSE OBJECTIVES:

- ➢ To learn about the importance of air transportation safety and security
- ➢ To know about the terrorism and terrorist acts
- ➢ To get awareness about the Hijacking
- ➢ To analyse about technological improvement in aviation safety and security

UNIT–1 Importance of Air Transportation Safety and Security   10 Hours
Protecting Public Transportation - Screening- Personnel's and Baggage's – Metal Detectors – X-ray Inspections, Passive and Active Millimeters-Trace- Detection Techniques.

UNIT– 2   Terrorism   10 Hours
Introduction- Causes of Terrorism - Rival claim of pales tine- Palestine Liberation Organization - Nuclear Terrorism BBM/BBA - Aviation Management 2010-11 & onwards- CPOP Page 31 of 39 - Aircraft as Missiles - 9/11 Terrorist Act and its Consequences.

UNIT– 3   Hijacking   10 Hours
Security measures- Airport Security Programmed and Steps taken to Contend with Hijacking- Cockpit doors- Sky Marshal Programme - Public Law about Hijacking - Air TransportationSecurity Act of 2001 - Crimes against Humanity.

UNIT – 4   Legislations and Regulations   10 Hours
ICAO/ECAC- Transportation security administration– International aviation safety assessment program.- Legislation after 9 Sep 2001- Steps to Combat Terrorism– The Tokyo Convention&Act

UNIT– 5   Technological Improvements on Aviation Safety and Security
**   20 Hours**
Technological Improvements on Aviation Safety and Security- Introduction- Microwave Holographic Imaging- Body or Fire Security Scanner – New Generation of video Security Systems – Bio- simmer- Biometric Systems - The way on Drug and Explosives.

Total:60 Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	To understand the principles of aviation security and its importance in the aviation industry by learning about important entities related to the industry.	**L2**
CO2	To learn about protocols involved for passenger and baggage screening and learn about methods that can be implemented for overall safety.	**L2**
CO3	To interpret frisking procedures, gain knowledge on bombs and to understand the legal aspects of hijacking and the roles involved by the airport enforcements to maintain security standards.	**L4**
CO4	To learn about essential handling methods for prisoners, weapons, and passengers and to also study about protecting and searching of aircrafts.	**L2**
CO5	To ensure to respond effectively to bomb threats, learn about contingency plans and to grasp ideas on searching techniques, learn about airport emergencies and to handle critical situations.	**L5**

TEXT BOOK:

1. Aviation and Airport Security- Kathleen M.Sweet– Pearson Education Inc.

REFERENCE BOOKS:

1. Aviation in Crisis– Ruwantissa I.R.Abeyratne – Ashgate Publishing Ltd.
2. Aviation Safety Programs– Richard H. Wood– Jeppesen Sanderson Inc
3. Aviation Safety and Security: Utilizing Technology to Prevent Aircraft Fatality – Stephen J. Wright (author), 2021 (edition), CRC press
4. Aviation and Airport Security: Terrorism and Safety Concerns, Kathleen M.Sweet (author), 2003 (edition), Pearson Publications

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	-	2	2	2	2	1	1	1	1	1
CO2	1	1	2	2	1	2	2	1	1	1	1	1
CO3	2	1	1	3	1	3	3	1	1	1	1	1
CO4	2	1	1	2	1	2	3	1	1	1	1	1
CO5	2	1	2	2	1	2	2	1	1	1	1	1
W.AV	2	1	1.2	2.2	1.2	2.2	2.4	1	1	1	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	1	1	1
CO2	2	1	2	1	1
CO3	2	2	1	2	1
CO4	2	2	1	1	1
CO5	2	2	1	1	1
W.AV	2	1.8	1.2	1.2	1

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91562	**AIRPORT PLANNING & DESIGN**	**L T P C**
		5 0 0 5

COURSE OBJECTIVES:
- ➢ To learn about the basic airport planning methods and forecasting
- ➢ To explore about the airport site selection
- ➢ To know about the airside layouts of an airport
- ➢ To study about the terminal buildings and risk management in airports

UNIT-1 Introduction to Airport Planning   10 Hours
Dynamic Strategic Planning-Planning Concepts, Systems Perspective, Concept of Dynamic strategic planning – Forecasting – Multi Airport Systems –User Charges – Airfield Design – Airfield Capacity – Airfield Delay

UNIT -2   Airport Site Selection   10 Hours
Airport Planning Procedure- types of operations and aircraft, facility planning, heliports, water aerodromes- sites election criteria, fine tuning site selection, – Air Traffic Zones – Approach Areas

UNIT-3 Airside Layout Runways, Taxiways &Aprons   20 Hours
Runway orientation, wind rose analysis, runway configurations, Obstacle Limitation Surfaces, runway components, Declared Distances, runway separation – taxiway layout and design, holding bays, apron layout and design, ATC Tower considerations, ground- based Nav-aids, airside capacity

UNIT-4 Air Cargo and Passenger Terminal Building (PTB)   10 Hours
Planning considerations, siting the terminal, PTB layouts, PTB sub-systems, pedestrian flows, and modeling – Functions of the Cargo Terminal, air cargo characteristics and shipping models, terminal concepts, and planning considerations

UNIT -5   Risk Management   10 Hours
Environmental impact, land use planning impacts - Airport Noise Management – Noise Abatement Procedure, pollution – Risks in the operative area of airport – Obstacle-free surfaces – Airport risk plans – Risk assessment – Case Study

Total:60 Hours

COURSE OUTCOMES:

On successful completion of this course, the student will be able to;		Knowledge Level
CO1	To understand about the airport planning and various concepts of airfield Design	**L2**
CO2	To know about the airport planning procedure and site selection	**L2**
CO3	To get knowledge about the Airside layout, runways taxiways and apron Configuration and management	**L2**
CO4	To understand about the air cargo terminal and passenger terminal planning And considerations	**L2**
CO5	To study about the Risk management in airport planning and operations	**L3**

TEXT BOOK:

1. Airport Systems Planning, Design and Management– Richard de Neufville, Amedeo R. Odoni (author), 2013 (edition), Mc-Graw Hill Educaiton Publications

REFERENCE:

1. Airport Planning and Design– Khanna Sk (author), 2014 (edition), Nem Chand Publications
2. Planning and Design of Airport– Asheesh Kumar (author), 2020 (edition), Vayu Education of India
3. Planning and Design of Airports-Francis Mc Kelvey, Seth Young, William Sproule (authors), 2010 (edition), Mc- Graw Hill Professional
4. Airport Engineering: Planning and Design, Saxena.S.C (author), 2015 (edition), CBS Publication

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	1	2	2	1	1	2	1	1	1
CO2	3	2	1	2	2	2	1	1	1	1	1	1
CO3	3	1	2	2	2	2	2	1	1	1	1	1
CO4	3	2	1	2	2	2	1	1	1	1	1	1
CO5	1	2	1	2	2	2	2	1	1	1	1	1
W.AV	2.6	1.8	1.4	1.8	2	2	1.4	1	1.2	1	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	1	1
CO2	2	2	1	1	1
CO3	2	2	2	1	1
CO4	2	2	1	1	1
CO5	2	2	2	1	1
W.AV	2	2	1.6	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91563	**AIRLINE REVENUE MANAGEMENT**	**L T P C** **5 0 0 5**

COURSE OBJECTIVES:
- ➢ To learn about the airlines pricing methods and revenue
- ➢ To study about how airlines are managing passenger demand
- ➢ To know about the basic idea about airlines pricing management
- ➢ To understand the business model practice of Low Cost Carrier

UNIT-1   **Introduction to Pricing and Revenue**   **10 Hours**
Introduction to pricing and revenue optimization, Demand functions and price optimization: Price response function; Competition, Demand drivers, Differences between full fare carriers and low cost carriers.

UNIT-2   **Managing Airline Passenger Demand**   **10 Hours**
Deregulation in the airline industry, need for revenue management, Airline travel demand, Demand Strategies, Forecasting demand in the airline industry, Problems in RM.

UNIT-3   **Airline Pricing and Revenue Management**   **20 Hours**
Airline Price- response estimation, Price differentiation: Volume discounts; Variable pricing, Revenue Management, Yield management Capacity Allocation, Network Management, Overbooking, Markdown Pricing, Customized Pricing: List prices vs. customized prices;Responses to competitor bids.

UNIT-4   **Scheduling and Performance Management**   **10 Hours**
Airline scheduling process, Schedule design and fleet assignments, Schedule and capacity adjustment, Management of performance, Building a revenue management organisation.

UNIT -5   **Low Cost Carrier**   **10 Hours**
History of LCC – LCC Business model practices– Service difference between Full service and Low Cost Carrier – Growth drivers – SWOT analysis of LCC

Total:60 Hours

COURSE OUTCOMES:

On successful completion of this course, the student will be able to;		**Knowledge Level**
CO1	To understand about the basic knowledge about the airline pricing and Revenue management.	**L2**
CO2	To earn knowledge about managing the airline passenger demand and Forecasting	**L2**
CO3	To understand about the airline revenue and yield management by various Strategies like seating and capacity allocation	**L42**
CO4	To get depth knowledge about airline scheduling process and performance Management	**L4**
CO5	To analyse about the Low cost carriers business model practice	**L4**

TEXT BOOKS:

1. Robert L. Phillips, 'Pricing and Revenue Optimization'. (Latest edition), Stanford University Press, UK.
2. Yeoman, I., and Mc Mohan-Beattie, U.'Revenue Management and Pricing: Case Studies and Applications' (Latest edition), Thomson, Australia.

REFERENCE:

1. Airline Revenue Management: Current Practices and Future Directions - Curt Cramer and Andreas Thams (authors), 2022 (edition), Springer Gabler Publications
2. Airline Revenue Management- Future Directions: Cruising to Profits- Ricardo Vincent Pilon (author), 2014 (edition), Curmil Aviation Publisher
3. An introduction to airline Revenue Integrity– Paul Rose (author), 2013 (edition),Paul Rose Revenue Management Limited Publisher
4. Boyd, E. 'The Future of Pricing: How Airline Ticket Pricing Has Inspired a Revolution'. (Latest edition), Palgrave Macmillan, London.

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	2	2	1	1	1	1	2	1	2	1	1
CO2	1	2	2	1	1	1	1	2	1	2	1	1
CO3	1	2	2	1	1	1	1	2	1	2	1	1
CO4	1	2	2	1	1	1	1	2	1	2	1	1
CO5	1	2	2	1	1	1	1	2	1	2	1	1
W.AV	1	2	2	1	1	1	1	2	1	2	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	2	1	1	1
CO2	1	2	1	1	1
CO3	1	2	1	1	1
CO4	1	2	1	1	2
CO5	1	2	1	1	1
W.AV	1	2	1	1	1.2

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91564A	**PROFESSIONAL ETHICS**	**L T P C**
		5 0 0 4

COURSE OBJECTIVES:

- ➢ To understand about the basic concepts and principles of professional ethics
- ➢ To learn about the personal effectiveness
- ➢ To study about the commercial awareness in individual
- ➢ To get knowledge about the leadership skills and team working

UNIT-1   Introduction to Professional Ethics   10 Hours

Basic Concepts, Governing Ethics, Personal & Professional Ethics, Ethical Dilemmas, Life Skills, Emotional Intelligence, Thoughts of Ethics, Value Education, Dimensions of Ethics, Profession and professionalism, Professional Associations, Professional Risks, Professional Accountabilities, Professional Success, Ethics and Profession.

UNIT-2   Basic Ethical Principles   10 Hours

Basic Theories: Basic Ethical Principles, Moral Developments, Deontology, Utilitarianism, Virtue Theory, Rights Theory, Casuist Theory, Moral Absolution, Moral Rationalism, Moral Pluralism, Ethical Egoism, Feminist Consequentialism, Moral Issues, Moral Dilemmas, Moral Autonomy.

UNIT-3   Personal Effectiveness   10 Hours

Prioritising, organizing and managing time effectively- Ten ways to effectively manage your time - Organising virtual meetings and managing diaries using appropriate software - Continuing professional development – Personal development plan - Tips to prepare for an interview

UNIT-4   Commercial Awareness   10 hours

Introduction to Commercial awareness and business acumen – Assessing commercial awareness - SWOT analysis – PESTEL analysis – Planning ahead and future proofing – Future proofing an organisation – Suitability, acceptability, feasibility (SAF) model – Deciding when to seek the help of experts - Data Analysis and Manipulation

UNIT-5   Leadership and Team Working   20 Hours

The nature of Leadership – Situational Leadership – Leadership in Action – Factors influencing leadership style– Team Roles– Examples of Outstanding Leaders– Introduction to Motivation– Motivational Forces – Motivation based on needs –What is accountability, responsibility and authority – Delegation of authority

Total:60 Hours

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	To understand about the basic concepts of professional ethics and how to handle the emotional intelligence	L2
CO2	To earn knowledge about the basic ethical principles with various Theories	L2
CO3	To get idea about designing the personal development plan and managing time effectively	L4
CO4	To analyse about the commercial awareness with the help of various analysis like SWOT and PESTEL	L4
CO5	To get knowledge about team work and improving leadership skills through motivational forces	L5

TEXT BOOK:

1. Professional Ethics– R.Subramanian (author), 2017 (edition), Oxford University Press

REFERENCE:

1. Professional Ethics and Human Values - M. Govindarajan, S. Natarajan,V.S.Senthil kumar (authors). 2015 (edition), PHI learning publications
2. Moral Education: A Practical Approach–K.Rama Rao (author), 2009 (edition), Ramakrishna Ashrama Publication
3. Professional Ethics & Values in Management - Dr. Munish, Mr.Mohit Kapil (author), 2023 (edition), Bluerose Publishers Pvt. Ltd.
4. Engineering, Business and Professional Ethics, Simon Robinson, Ross Dixon, Christopher Preece, Krisen Moodley (authors), 2007 (edition), Routledge

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	-	-	1	1	1	1	2	1	1
CO2	1	1	1	-	-	1	2	1	1	2	1	1
CO3	1	1	1	-	-	1	2	1	1	2	2	1
CO4	1	1	1	1	1	1	1	1	1	2	2	1
CO5	1	1	1	-	-	1	2	1	1	2	1	1
W.AV	1	1	1	0.2	0.2	1	1.6	1	1	2	1.4	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	1	2	1	1
CO2	2	2	2	1	1
CO3	2	2	2	1	1
CO4	2	1	2	1	1
CO5	2	1	2	1	1
W.AV	2	1.4	2	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91564B	TOTAL QUALITY MANAGEMENT	L T P C
		5 0 0 4

COURSE OBJECTIVES:

- ➢ To learn about the basic concepts of TQM and quality
- ➢ To study about all the principles of TQM
- ➢ To explore about the TQM tools and techniques
- ➢ To get knowledge about the Quality Management System

UNIT-1   Basic concept of TQM and Quality   20 Hours

Introduction - Need for quality - Evolution of quality - Definitions of quality - Dimensions of product and service quality - Basic concepts of TQM - TQM Framework -Barriers to TQM - Customer focus - Customer orientation, Customer satisfaction, Customer complaints, Customer retention.

UNIT-2   TQM Principles   10 Hours

Leadership - Quality Statements, Strategic quality planning, Quality Councils - Employee involvement - Motivation, Empowerment, Team and Teamwork, Recognition and Reward, Performance appraisal - Continuous process improvement - PDCA cycle, 5S, Kaizen - Supplier partnership - Partnering, Supplier selection, Supplier Rating.

UNIT-3   TQM Tools and Techniques I   10 Hours

The seven traditional tools of quality - New management tools - Six sigma: Concepts, Methodology, applications to manufacturing, service sector including IT - Bench marking - Reason to bench mark, Bench marking process - FMEA - Stages, Types.

UNIT– 4   TQM Tools and Techniques 2   10 Hours

TQM tools- Benchmarking: Definition, concepts, benefits, elements, reasons for benchmarking, process of benchmarking, FMEA, Quality Function Deployment (QFD) – House of Quality, QFD Process, Benefits, Taguchi Quality Loss Function, Total Productive Maintenance (TPM) – Concept and need.

UNIT-5   **Quality Management Systems**   **10 Hours**

Need for ISO 9000 – ISO 9000-2000 Quality System – Elements, Documentation and Quality auditing – QS 9000 ISO 14000 – Concept, Requirements and Benefits – Case studies of TQM implementation in manufacturing and service sector including IT.

TOTAL:60 Hours

COURSE OUTCOMES:

On successful completion of this course, the student will be able to;		Knowledge Level
CO1	To get familiarized with the basic concept and frame work of Total Quality management	**L2**
CO2	To understand the contribution of Quality Gurus in TQM Journey	**L2**
CO3	To grasp the nature and importance of various components that constitute TQM	**L2**
CO4	To describe and discuss the role of techniques used in TQM	**L2**
CO5	To understand the need of ISO 9000 & ISO 14000	**L2**

TEXT BOOKS:

1. Dale H.Besterfiled, Carol B.Michna, Glen H. Besterfield, Mary B.Sacre, Hemant Urdhwareshe and Rashmi Urdhwareshe, "Total Quality Management", Pearson Education Asia, Revised Third Edition, Indian Reprint, Sixth Impression, 2013.
2. Samuel. Ainga "Total Quality Management: Understanding TQM" Create Space Independent Publishing Platform (October 8, 2015).

REFERENCES:

1. James R. Evan and William M. Lindsay, " The Management and Control of Quality", 6th Edition, South- Western (Thomson Learning), 2005.
2. Oakland. J.S. "TQM– Text with Cases", Butter worth– Hcinemann Ltd., Oxford, 3rd Edition, 2003.
3. Suganthi, L & Anand Samuel, "Total Quality Management", Prentice Hall (India) Pvt.Ltd, 2006.
4. Janakiraman, B.andGopal,R.K, "Total Quality Management–Text and Cases",Prentice Hall (India) Pvt. Ltd., 2006.

WEB LINK:

1. https://www.grafiati.com

2. http://eprints.hud.ac.uk/id/eprint/4875/.

Mapping Course Outcomes Vs Programme Outcomes

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	2	2	1	1	2	2	2	1	1	1	1
CO2	2	2	2	1	1	2	1	2	1	1	1	1
CO3	2	2	2	1	1	1	1	2	2	2	2	1
CO4	2	2	2	2	2	1	1	1	1	1	2	1
CO5	1	1	1	1	1	1	1	1	1	1	1	1
W.AV	1.6	1.8	1.8	1.2	1.2	1.4	1.4	1.6	1.2	1.2	1.4	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	2	2
CO2	2	2	1	2	2
CO3	1	2	1	2	2
CO4	2	1	1	2	2
CO5	2	2	1	2	2
W.AV	1.8	1.8	1.2	2	2

S–Strong (3), M-Medium(2), L -Low(1)

Subject Code: 91564C	SERVICE MARKETING	L T P C
		5 0 0 4

COURSE OBJECTIVES:

➢ To study about special characteristics of services relevant for marketing

➢ To analyse about the customer satisfaction and complaint management in services

➢ To evaluate the financial implications of improvement in services

➢ To study about the CRM applications in service marketing

UNIT-1   Introduction to Services   10 Hours

Marketing of Services - Introduction - Growth of the Service Sector - The Concept of Service - Characteristics of Services - Classification of Services - Designing the Service Blueprinting, Using Technology - Developing Human Resources - Building Service Aspirations.

UNIT-2   Service Marketing Mix   20 Hours

Marketing mix in services marketing - The Seven Ps - Product Decisions - Pricing Strategies and Tactics - Promotion of Services and Placing or Distribution Methods for Services - Additional Dimensions in Services Marketing - People, Physical Evidence and Process – Internet as a service channel.

UNIT-3   Strategic Service Marketing   10 Hours

Strategic Marketing Management for Services - Matching Demand and Supply through Capacity Planning and Segmentation - Internal Marketing of a Service - External versus Internal Orientation of Service Strategy.

UNIT-4   Service Quality   10 Hours

Delivering Quality Services - Causes of Service- Quality Gaps - The Customer Expectations versus Perceived Service Gap - Factors and Techniques to Resolve this Gaps in Service - Quality Standards, Factors and Solutions - The Service Performance Gap Key Factors and Strategies for Closing the Gap - Developing Appropriate and Effective Communication about Service Quality.

UNIT–5   **Service Industries**   **10 Hours**

Marketing of Services with special reference to Aviation Industry-Financial Services - Health Services - Hospitality Services including Travel, Hotels and Tourism - Professional Services - Public Utility Services - Communication Services.

Total:60 Hours

COURSE OUTCOMES:

On successful completion of this course, the student will be able to;		**Knowledge Level**
CO1	To understand about the Services and the characteristics of Services especially in the growth of the service sector.	**L2**
CO2	To develop knowledge about the service marketing mix along with the knowledge of Promotion and Distribution methods for services.	**L1**
CO3	To unravel the Strategies of Service Marketing which involves in analysation of Demand and Supply through capacity planning and segmentation.	**L4**
CO4	To Grasp the various terminologies used in the service quality, Especially on developing appropriate and effective communication about service quality.	**L2**
CO5	To explore the different service sectors in the society associated with special reference to the aviation industry.	**L5**

TEXT BOOK:

1.Ravi Shanker, SERVICES MARKETING: THE INDIAN PERSPECTIVE, Excel Books, NewDelhi,2008

REFERENCES:

1. Christopher H. Lovelock, SERVICES MARKETING: PEOPLE, TECHNOLOGY, STRATEGY, Pearson Education Asia.
2. R.Srinivasan, SERVICES MARKETING, Prentice Hall of India Private Limited, New Delhi.
3. Zcithaml, Parasuraman &Berry, DELIVERING QUALITY SERVICE, The Free Press, Macmillan.2008
4. Rajendra Nargundkar, SERVICES MARKETING: TEXT & CASES, Tata Mc Graw Hill Publishing Company, New Delhi, 2008

Mapping Course Outcomes Vs Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	1	1	1	1	1	1	1	1	1
CO2	1	1	1	-	2	2	1	1	1	1	1	1
CO3	1	1	1	1	-	2	1	1	1	1	1	1
CO4	1	1	1	1	-	1	1	1	1	1	1	1
CO5	2	1	1	1	1	2	2	1	1	1	1	1
W.AV	1.2	1	1	0.8	0.8	1.6	1.2	1	1	1	1	1

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	1	1
CO2	2	1	1	1	1
CO3	2	2	2	1	1
CO4	1	2	1	1	1
CO5	2	2	1	1	1
W.AV	1.8	18	1.4	1	1

S–Strong (3), M-Medium(2), L -Low(1)

PART–III

Subject Code: 91565	PROJECT WORK	L T P C
		0 0 10 8

COURSE OBJECTIVES:

- To develop the ability to solve a specific problem right from its identification and literaturereview till the successful solution of the same.
- To train the students in preparing project reports and to face reviews and viva voce examination.
- To enhance knowledge to prepare a comprehensive project report after completingthe work to the satisfaction.
- To improve the skill to manage the project and submit it for evaluation

Foster Proficiency in Problem Solving:

Develop the capacity to systematically address specific issues, beginning with problem identification and literature analysis, and culminating in the effective resolution of the problem.

Enhance Project Report Preparation Skills:

Equip students with the skills to create comprehensive project reports and confidently engage in reviews and viva voce examinations.

Course Structure:

Students, organized in groups of 1 to 2, will select a topic endorsed by the department head. Under the guidance of a faculty mentor, they will engage in the project's execution and, upon meeting the supervisor's criteria, compile a comprehensive project report.

Evaluation Process:

Student progress will be appraised through a series of a minimum of three reviews. The review committee will be assembled by the Department Head. The culmination of the project will involve the submission of a project report by the end of the semester.

Final Assessment:

The project work's evaluation will comprise both an oral presentation and an assessment of the project report. This assessment will be conducted jointly by external and internal examiners, who will be nominated by the Department Head

TOTAL: 100 PERIODS

COURSE OUTCOMES:

	On successful completion of this course, the student will be able to;	Knowledge Level
CO1	Proficient Problem- Solving Skills.	**L5**
CO2	Effective Project Report Preparation	**L3**
CO3	Skillful Engagement in Reviews and Viva Voce Examinations	**L6**
CO4	Collaborative Project Execution	**L6**
CO5	Project Management and Evaluation	**L5**
CO6	Critical Analysis and Synthesis	**L4**
CO7	Effective Communication and Presentation	**L5**
CO8	Profound Understanding of Evaluation Methods	**L2**

By achieving these course outcomes, students will be well- prepared to tackle complex problems, manage projects effectively, and communicate their findings confidently in both written and oral formats.

Mapping Course Outcomes Vs Programme Outcomes

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	2	3	3	3	3	3	3	2	2	3	3
CO2	1	2	3	3	3	3	3	3	2	2	3	3
CO3	1	2	3	3	3	3	3	3	2	2	3	3
CO4	1	2	3	3	3	3	3	3	2	2	3	3
CO5	1	2	3	3	3	3	3	3	2	2	3	3
CO6	1	2	3	3	3	3	3	3	2	2	3	3
CO7	1	2	3	3	3	3	3	3	2	2	3	3
CO8	1	2	3	3	3	3	3	3	2	2	3	3
W.AV	**1**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**2**	**2**	**3**	**3**

S–Strong (3), M-Medium(2), L -Low(1)

Mapping Course Outcomes Vs Programme Specific Outcomes

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	3	3	3	2
CO3	3	3	3	3	2
CO4	3	3	3	3	2
CO5	3	3	3	3	2
CO6	3	3	3	3	2
CO7	3	3	3	3	2
CO8	3	3	3	3	2
W.AV	3	3	3	3	2

S–Strong (3), M-Medium(2), L -Low(1)

UG Programme

Passing minimum

➢ A candidate shall be declared to have passed in each course if he/she secures not less than 40% marks in the End Semester Examinations and 40% marks in the Internal Assessment and not less than 40% in the aggregate, taking Continuous assessment and End Semester Examinations marks together.

➢ The passing minimum for CIA shall be 40% out of 25 marks (i.e.10 marks) in Theory/ Practical Examinations.

➢ The passing minimum for University Examinations shall be 40% out of 75 marks (i.e. 30 marks) for Theory /Practical papers.

➢ The candidates not obtain 40% in the Internal Assessment are permitted to improve their Internal Assessment marks in the subsequent semesters (2 chances will be given) by writing the CIA tests or by submitting assignments.

➢ Candidates, who have secured the pass marks in the End-Semester Examination and in the CIA but failed to secure the aggregate minimum pass mark (E.S.E + C I.A), are permitted to improve their Internal Assessment mark in the following semester and/or in University examinations.

➢ A candidate shall be declared to have passed in the Dissertation/Project report/Internship report if he/she gets not less than 40% marks in the Internal Assessment and End Semester Examinations and not less than 40% in the aggregate, taking Continuous assessment and End Semester Examinations marks together.

➢ A candidate who gets less than 40% in the Dissertation / Internship/ Project Report must resubmit the thesis. Such candidates need to take again the Viva-Voce on the resubmitted report/thesis.

18.2 Grading of the Courses

The following table gives the marks, Grade points, Letter Grades, and classifications meant to indicate the overall academic performance of the candidate.

Conversion of Marks to Grade Points and Letter Grade (Performance in Course / Paper)

RANGE OF MARKS	GRADE POINTS	LETTER GRADE	DESCRIPTION
90 - 100	9.0 – 10.0	O	Outstanding
80 - 89	8.0 – 8.9	D+	Excellent
75 - 79	7.5 – 7.9	D	Distinction
70 - 74	7.0 – 7.4	A+	Very Good
60 - 69	6.0 – 6.9	A	Good
50 - 59	5.0 – 5.9	B	Average
40 - 49	4.0 – 4.9	C	Satisfactory
00 - 39	0.0	U	Re-appear
ABSENT	0.0	AAA	ABSENT

a) Successful candidates passing the examinations and earning a GPA between 9.0 and 10.0 and marks from 90 – 100 shall be declared to have Outstanding (O).

b) Successful candidates passing the examinations and earning GPA between 8.0 and 8.9 and marks from 80 - 89 shall be declared to have Excellent (D+).

c) Successful candidates passing the examinations and earning GPA between 7.5 – 7.9 and marks from 75 - 79 shall be declared to have Distinction (D).

d) Successful candidates passing the examinations and earning GPA between 7.0 – 7.4 and marks from 70 - 74 shall be declared to have Very Good (A+).

e) Successful candidates passing the examinations and earning GPA between 6.0 – 6.9 and marks from 60 - 69 shall be declared to have Good (A).

f) Successful candidates passing the examinations and earning GPA between 5.0 – 5.9 and marks from 50 - 59 shall be declared to have Average (B).

g) Successful candidates passing the examinations and earning GPA between 4.0 – 4.9 and marks from 40 - 49 shall be declared to have Satisfactory (C).

h) Candidates earning GPA between 0.0 and marks from 00 - 39 shall be declared to have Re-appear (U).

i) Absence from an examination shall not be taken as an attempt.
   From the second semester onwards the total performance within a semester and continuous performance starting from the first semester are indicated respectively **by** Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA).

These two are calculated by the following formulate

GRADE POINT AVERAGE (GPA) = $\Sigma_i\, C_i\; G_i\,/\, \Sigma_i\, C_i$

GPA = <u>Sum of the multiplication of grade points by the credits of the courses</u>

Sum of the credits of the courses in a Semester

18.3 Classification of the final result

The final result of the candidate shall be based only on the CGPA earned by the candidate.

a) Successful candidates passing the examinations and earning CGPA between 9.5 and 10.0 shall be given Letter Grade (O+) and those who earned CGPA between 9.0 and 9.4 shall be given Letter Grade (O) and declared to have First Class –Exemplary*.

b) Successful candidates passing the examinations and earning CGPA between 7.5 and 7.9 shall be given Letter Grade (D), those who earned CGPA between 8.0 and 8.4 shall be given Letter Grade (D+) and those who earned CGPA between 8.5 and 8.9 shall be given Letter Grade (D++) and declared to have First Class with Distinction*.

c) Successful candidates passing the examinations and earning CGPA between 6.0 and 6.4 shall be given Letter Grade (A), those who earned CGPA between 6.5 and 6.9 shall be given Letter Grade (A+), and those who earned CGPA between 7.0 and 7.4 shall be given Letter Grade (A++) and declared to have First Class.

d) Successful candidates passing the examinations and earning CGPA between 5.0 and 5.4 shall be given Letter Grade (B) and those who earned CGPA between 5.5 and 5.9 shall be given Letter Grade (B+) and declared to have passed in the Second Class.

e) Successful candidates passing the examinations and earning CGPA between 4.0 and 4.4 shall be given Letter Grade (C) and those who earned CGPA between 4.5 and 4.9 shall be given Letter Grade (C+) and declared to have passed in the Third Class.

f) Absence from an examination shall not be taken as an attempt.

Final Result

CGPA	Grade	Classification of Final Result
9.5 – 10.0	**O+**	First Class – Exemplary*
9.0 and above but below 9.5	**O**	
8.5 and above but below 9.0	**D++**	First Class with Distinction*
8.0 and above but below 8.5	**D+**	
7.5 and above but below 8.0	**D**	
7.0 and above but below 7.5	**A++**	First Class
6.5 and above but below 7.0	**A+**	
6.0 and above but below 6.5	**A**	
5.5 and above but below 6.0	**B+** **B**	Second Class
5.0 and above but below 5.5		
4.5 and above but below 5.0	**C+**	Third Class
4.0 and above but below 4.5	**C**	
0.0 and above but below 4.0	**U**	Re-appear

CUMULATIVE GRADE POINT AVERAGE (CGPA) = $\Sigma_n \ \Sigma_i \ C_{ni} \ G_{ni} / \Sigma_n \ \Sigma_i \ C_{ni}$

CGPA = <u>Sum of the multiplication of grade points by the credits of the entire programme</u>

      Sum of the credits of the course for the entire Programme

Where '**Ci**' is the Credit earned for Course i in any semester; '**Gi**' is the Grade Point obtained by the student for Course <u>i and 'n' refers to the semester</u> in which such courses were credited.

CGPA (Cumulative Grade Point Average) = Average Grade Point of all the Courses passed starting from the first semester to the current semester.

Note: * The candidates who have passed in the first appearance and within the prescribed Semesters of the UG Programme (Major, Allied, and Elective courses alone) are eligible for this classification.