

# ALAGAPPA UNIVERSITY

(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**.

### **Lateral Entry 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. For the 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 and fulfil 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 examinations in 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 also participate in Seminars conducted for each subject and marks allocated accordingly.
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 Semester Examination (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 following procedure shall be followed for awarding internal marks.

#### **Theory-25marks**

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

#### **Practical-25marks**

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

#### **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 semester after 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-Voce Examination (in defense of the Dissertation Work/internship).

### **Practical (Science)-Maximum 75 marks**

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

<b>Course Fee payment deadline</b>
Fee must be paid before 10 <sup>th</sup> 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
<b>Part I</b>	Language (LC)	4 x2 =12
<b>Part II</b>	English Language Course (ELC)	4 x2 =12
<b>Part III</b>	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
<b>Part IV</b>	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
	<b>Total</b>	<b>140 + 16 Additional Credit</b>

- 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.

## **DEPARTMENT OF AVIATION**

### **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 the industry 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):**

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

**PROGRAMOUTCOMES (POs)**

<b>PO-1</b>	Students shall understand and practice the discipline being followed in the Aviation Industry.
<b>PO-2</b>	Students shall be able to read, write and communicate in the professional manner Which is highly required for the students in the working atmosphere.
<b>PO-3</b>	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.
<b>PO-4</b>	Students shall be able to acquire the knowledge about aircraft and area related to The parts of aircraft and its operation procedure.
<b>PO-5</b>	Students shall get to know about airports, types of airports and several teams and Operations being handled by professionals inside and outside the airport.
<b>PO-6</b>	Students shall understand Commercial Aviation and operational procedures related To Commercial processes in the Aviation Industry.
<b>PO-7</b>	Students shall practise the activities and tasks related to several technical operations and professional communication procedures which connects operations of different platforms.
<b>PO-8</b>	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.
<b>PO-9</b>	Students shall develop knowledge and get exposure in different platforms of Aviation Industry which helps them in pursuing higher studies in various fields.
<b>PO-10</b>	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.
<b>PO-11</b>	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.
<b>PO-12</b>	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

<b>PSO-1</b>	Able to understand the various scientific principles and they can able to apply in The field of Aviation.
<b>PSO-2</b>	Demonstrate ability to research information pertinent to their aviation discipline.
<b>PSO-3</b>	Realize the need to continuously gain knowledge throughout life within and Outside of aviation.
<b>PSO-4</b>	To function as the solution providers or entrepreneurs, who are able to manage, innovate, communicate, train and lead a team for continuous improvement.
<b>PSO-5</b>	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

BBA (Airline and Airport Management)										
Sem	Part	Course Code	Courses	Name	T/P	Credits	Hours	Int. Marks	Ext. Marks	Total
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) 2. Advance Tamil 3. Small Business Management	P T T	2	2	25	75	100
			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

YEAR – I  
SEMESTER-I  
PART –I

Subject Code -91511T	LANGUAGE-TAMIL –I	LTPC 4 0 0 3
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**பொதுத்தமிழ்-1**

**தமிழ் இலக்கிய வரலாறு -1**

**முதலாம் ஆண்டு – முதற் பருவம்**

Course Code	Course Name	category	L	T	P	S	Credits	Ins.Hrs	CIA	Externa	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											
<ul style="list-style-type: none"><li>முதலாமாண்டுப் பட்ட வகுப்பு மாணவர்களுக்குத் தமிழ் மொழி இலக்கியங்களை அறிமுகம் செய்தல்</li><li>தமிழ் இலக்கியப் போக்குகளையும், இலக்கணங்களையும் மாணவர் அறியுமாறு செய்து அவர்களின் படைப்பாற்றலைத் தூண்டுதல்</li><li>தமிழ் இலக்கியம் சார்ந்த போட்டித் தேர்வுகளுக்கு ஏற்ப கற்பித்தல் நடைமுறைகளை மேற்கொள்ளுதல்</li></ul>											
Expected Course Outcomes											
On the Successful 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 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create											



அலகு-1	தமிழ் இலக்கிய, இலக்கண வரலாறு அறிமுகம்.
<p>1. இலக்கணம்;</p> <p>அ.தொல்காப்பியம், இறையனார் களவியல் உரை , நம்பியகப் பொருள், புறப்பொருள் வெண்பா மாலை, நன்னூல், தண்டியலங்காரம், யாப்பருங்கலக்காரிகை- நூல்கள்</p> <p>ஆ.மொழிப் பயிற்சி- ஒற்றுப்பிழை தவிர்த்தல்</p> <ul style="list-style-type: none"> <li>• வல்லினம் மிகும் இடங்கள்</li> <li>• வல்லினம் மிகா இடங்கள்</li> <li>• ஈரொற்று வரும் இடங்கள்</li> <li>• ஒரு, ஓர் வரும் இடங்கள்</li> <li>• அது, அஃது வரும் இடங்கள்</li> <li>• தான், தாம் வரும் இடங்கள்</li> </ul> <p>பயிற்சி : வல்லினம் மிகும் இடங்கள், மிகா இடங்கள் தவறாக வரும்வகையில் ஒரு பத்தி கொடுத்து ஒற்றுப் பிழை திருத்தி எழுதச் செய்தல்.</p> <p>2. சங்க இலக்கியம் - எட்டுத்தொகை, பத்துப்பாட்டு</p> <p>3. அற இலக்கியம்-பதினெண்கீழ்க்கணக்கு நூல்கள்</p> <p>4. காப்பிய இலக்கியம் - ஐம்பெருங் காப்பியங்கள், ஐஞ்சிறு காப்பியங்கள், சமயக் காப்பியங்கள்</p> <p>5. பக்தி இலக்கியமும் (பன்னிரு திருமுறைகள், நாலாயிர திவ்வியப் பிரபந்தம் -- பகுத்தறிவு இலக்கியமும் (சித்தர் இலக்கியங்கள், புலவர் குழந்தையின் இராவண காவியம்)</p>	
அலகு-2	சங்க இலக்கியம்
<p>எட்டுத்தொகை ;ள</p> <p>1. நற்றிணை-முதல் பாடல் -நின்ற சொல்லர்</p> <p>2. குறுந்தொகை 3 ஆம் பாடல் -நிலத்தினும் பெரிதே</p> <p>3. ஐங்குறுநூறு -நெல் பல பொலிக! பொன் பெரிது சிறக்க!' (முதல் பாடல் )-வேட்கைப் பத்து</p> <p>4. கலித்தொகை- 51 - சுடர்த்தொடிக் கேளாய் -குறிஞ்சிக் கலி</p> <p>5. புறநானூறு -189 தென்கடல் வளாகம் பொதுமையின்றி, நாடா கொன்றோ -187</p> <p>பத்துப்பாட்டு;</p> <p>1. முல்லைப்பாட்டு (முழுவதும்)</p>	
அலகு-3	அற இலக்கியம்
<p>1.திருக்குறள் -அறன் வலியுறுத்தல் அதிகாரம்</p> <p>2.நாலடியார்-பாடல்: 131 (குஞ்சியழகும்)</p> <p>3.நான்மணிக்கடிகை-நிலத்துக்கு அணியென்ப</p> <p>4.பழமொழி நானூறு- தம் நடை நோக்கார்</p>	
5.இனியவை நாற்பது- 37. இளமையை மூப்பு என்று	

அலகு-4	காப்பிய இலக்கியம்
<ol style="list-style-type: none"> <li>1. சிலப்பதிகாரம் – வழக்குரைகாதை</li> <li>2. மணிமேகலை- பாத்திரம் பெற்ற காதை</li> <li>3. பெரியபுராணம் - பூசலார் நாயனார்புராணம்</li> <li>4. கம்பராமாயணம்- குகப் படலம்</li> <li>5. சீறாப்புராணம் – மானுக்குப் பிணை நின்ற படலம்</li> <li>6. இயேசு காவியம் -ஊதாரிப்பிள்ளை</li> </ol>	
அலகு-5	பக்தி இலக்கியமும், பகுத்தறிவு இலக்கியமும்
<p>பக்தி இலக்கியம்;</p> <ol style="list-style-type: none"> <li>1. திருநாவுக்கரசர் தேவாரம் - நாமார்க்கும் குடியல்லேம் எனத் தொடங்கும் பாடல் மட்டும்</li> <li>2. மாணிக்கவாசகர் திருவாசகம் - நமச்சிவாய வாழ்க நாதன்தான் வாழ்க முதல் சிரம்குவிவார் ஓங்குவிக்கும் சீரோன் கழல் வெல்க வரை</li> <li>3. பொய்கையாழ்வார்-வையந் தகளியா வர்கடலே</li> <li>4. பூத்தாழ்வார்-அன்பே தகளியா</li> <li>5. பேயாழ்வார்-திருக்கண்டேன் பொன்மேனி கண்டேன்</li> <li>6. ஆண்டான் – திருப்பாவை மார்கழித் திங்கள் (முதல் பாடல்)</li> </ol> <p>பகுத்தறிவு இலக்கியம்;</p> <ul style="list-style-type: none"> <li>• திருமூலர் – திருமந்திரம் (270,271, 274, 275 285)</li> <li>• பட்டினத்தார் -திருவிடை மருதூர் (காடே திரிந்து – எனத் தொடங்கும் பாடல் பா.எண் ;279, 280)</li> <li>• கடுவெளி சித்தர் - பாபஞ்செய் யாதிரு மனமே (பாடல் முழுவதும்)</li> <li>• இராவண காவியம் – தாய்மொழிப் படலம் 18. ஏடுகை யில்லா ரில்லை முதல் - 22. செந்தமிழ் வளர்த்தார். வரை</li> </ul>	
Text books	
• .	
Reference Books	
<ul style="list-style-type: none"> <li>• மு. வரதராசன், தமிழ் இலக்கிய வரலாறு, சாகித்ய அக்காதெமி, புதுடெல்லி.</li> <li>• மது. ச. விமலானந்தன், தமிழ் இலக்கிய வரலாறு, மீனாட்சி புத்தக நிலையம், மதுரை.</li> <li>• தமிழண்ணல், புதிய நோக்கில் தமிழ் இலக்கிய வரலாறு, மீனாட்சி புத்தக நிலையம், மதுரை.</li> <li>• தமிழ் இலக்கிய வரலாறு –முனைவர்.சிற்பி பாலசுப்ரமணியம், முனைவர்.சொ.சேதுபதி</li> <li>• புதிய தமிழ் இலக்கிய வரலாறு– முனைவர்.சிற்பி பாலசுப்ரமணியம்,நீல.பத்மநாபன்</li> </ul>	
<ul style="list-style-type: none"> <li>• தமிழ் இலக்கிய வரலாறு - டாக்டர்.அ.கா.பெருமாள்</li> <li>• தமிழ் இலக்கிய வரலாறு –முனைவர். ப.ச.ஏசுதாசன்</li> <li>• தமிழ் இலக்கிய வரலாறு – ஸ்ரீ குமார்</li> <li>• வகைமை நோக்கில் தமிழ் இலக்கிய வரலாறு–பாக்கியமேரி</li> <li>• தமிழ் பயிற்றும் முறை, பேராசிரியர் ந. சுப்புரெட்டியார் - மணிவாசகர் பதிப்பகம், சிதம்பரம்</li> </ul>	

**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	-	-	-	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)

**PART I**

**PAPER I**

<b>Subject Code</b>	<b>LANGUAGE</b>	<b>LTPC</b>
<b>91511F</b>	<b>Foundation Course: French-I</b>	<b>4 00 3</b>

**COURSE OBJECTIVES:**

- 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

**UNIT I**

**9 Hours**

Salut !  
Enchanté

**UNIT II**

**9 Hours**

J'adore

**UNIT III**

**9 Hours**

Tu veux bien ?

**UNIT IV**

**9 Hours**

On se voit quand ?

**UNIT V**

**9 Hours**

Bonne idée

**Total: 45 Hours**

**TEXTBOOKS AND REFERENCE BOOKS:**

Reading List (Print and Online)

1. Régine Mérieux & Yves Loiseau, Latitudes-1-(A1/A2), méthode de français, Didier, 2017 (units 1-6 only)

**COURSE OUTCOMES:**

On successful completion of this course, the student will be able to		Knowledge Level
<b>CO1</b>	Recall and remember the usage of grammatical tenses in Constructing sentences in a dialogue.	L2
<b>CO2</b>	Apply the learnt grammar rules in practice exercises to improve Their understanding	L3
<b>CO3</b>	Explain the nuances In the usage of various grammatical tenses and their aspects	L2 & L3
<b>CO4</b>	Demonstrate knowledge of various expressions used to express opinions, emotions, cause, effect, purpose, and hypothesis in French	L2
<b>CO5</b>	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
<b>CO1</b>	1	3	2	-	-	-	1	1	-	1	1	2
<b>CO2</b>	1	3	2	-	-	-	1	1	-	1	1	2
<b>CO3</b>	1	3	2	-	-	-	1	1	-	1	1	2
<b>CO4</b>	1	3	2	-	-	-	1	1	-	1	1	2
<b>CO5</b>	1	3	2	-	-	-	1	1	-	1	1	2
<b>W.AV</b>	<b>1</b>	<b>3</b>	<b>2</b>	-	-	-	<b>1</b>	<b>1</b>	-	<b>1</b>	<b>1</b>	<b>2</b>

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

**Outcomes Vs Programme Specific Outcomes**

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

S–Strong (3), M-Medium(2), L -Low(1)

**PART-I**

**PAPER-I**

**(HindikaSamanya Gyan,Vyakaran aurNibandh)**

<b>Subject Code</b> 91511H	<b>LANGUAGE–</b> <b>GENERALHINDI-I</b>	<b>LTPC</b> <b>4 00 3</b>
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**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:**

<b>CO1</b>	Introduction to Hindi sounds	K2
<b>CO2</b>	Sentence formation in hindi	K3
<b>CO3</b>	Acquisition of Hindi Vocabulary	K2
<b>CO4</b>	Reading of stories and other passages	K4
<b>CO5</b>	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
<b>CO1</b>	1	1	2	-	-	-	-	2	1	1	3	2
<b>CO2</b>	1	1	2	-	-	-	-	2	1	1	3	2
<b>CO3</b>	1	1	3	-	-	-	-	3	1	1	3	2
<b>CO4</b>	1	1	2	-	-	-	-	2	1	1	3	2
<b>CO5</b>	1	1	3	-	-	-	-	3	1	1	3	2
<b>W.AV</b>	<b>1</b>	<b>1</b>	<b>2.4</b>	-	-	-	-	<b>2.4</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>2</b>

**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. [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](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. [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%B5%20%E0%A4%95%E0%A4%BE%20%E0%A4%B5%E0%A4%BF%E0%A4%B0%E0%A5%8B%E0%A4%A7%20%E0%A4%A5%E0%A4%BE%E0%A5%A4](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%B5%20%E0%A4%95%E0%A4%BE%20%E0%A4%B5%E0%A4%BF%E0%A4%B0%E0%A5%8B%E0%A4%A7%20%E0%A4%A5%E0%A4%BE%E0%A5%A4)

3. [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%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%A4%BE%20%E0%A4%AE%E0%A4%B9%E0%A4%BF%E0%A4%B2%E0%A4%BE%20%E0](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%BF%E0%A4%95%E0%A4%B0%E0%A4%A3%20%E0%A4%95%E0%A5%8D%E0%A4%AF%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%A4%BE%20%E0%A4%AE%E0%A4%B9%E0%A4%BF%E0%A4%B2%E0%A4%BE%20%E0)

4. <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%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%A4%BE%20%E0%A4%AE%E0%A4%B9%E0%A4%BF%E0%A4%B2%E0%A4%BE%20%E0>

5. <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%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%A4%BE%20%E0%A4%AE%E0%A4%B9%E0%A4%BF%E0%A4%B2%E0%A4%BE%20%E0>



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b.[http://gadyakosh.org/gk/%E0%A4%86%E0%A4%88%E0%A4%AF%E0%A5%87!\\_%E0%A4%A](http://gadyakosh.org/gk/%E0%A4%86%E0%A4%88%E0%A4%AF%E0%A5%87!_%E0%A4%A)

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**PART – I**  
**PAPER-I**  
**OTHER LANGUAGES ARE**  
**MALAYALAM – I**  
**ARABIC –I**  
**TELUGU-I**

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

## PART II

<b>Subject Code 91512</b>	<b>PAPER II– GENERAL ENGLISH-I</b>	<b>LTPC 4 00 3</b>
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### COURSE OBJECTIVE:

- 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

Chapter 1 from Malala Yousafzai, I am Malala

An Auto biography or The Story of My Experiments with Truth (Chapters 1, 2 & 3)

M.K. Gandhi

#### Poem

Where the Mind is Without Fear– Gitanjali 35– Rabindranath Tagore

Love Cycle – Chinua Achebe

### UNIT II EMPATHY 20 Hours

#### Poem

Nine Gold Medals – David Roth

Alice Fell or poverty– William Wordsworth

#### Short Story

The School for Sympathy– E.V. Lucas

Barn Burning– William Faulkner

### UNIT III 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

## Readers Theatre

The Magic Brocade—A Tale of China

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

### UNIT IV      PART OF SPEECH      15 Hours

Articles

Noun

Pronoun

Verb

Adverb

Adjective

Preposition

### UNIT V      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
<b>CO1</b>	Acquire self- awareness and positive thinking required in various Life situations	L2
<b>CO2</b>	Acquire the attribute of empathy.	L3
<b>CO3</b>	Acquire creative and critical thinking abilities.	L2
<b>CO4</b>	Learn basic grammar	L1
<b>CO5</b>	Development and integrate the use of four language skills i.e., listening, speaking, reading and writing.	L3

### TEXT BOOKS:

1. Malala Yousafzai. I am 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/9rVzINv>
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	<b>Business 15 Hours</b> 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.				<b>Meaning:</b>
Unit II	<b>Nature and Scope of Management process 15 Hours</b> 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	<b>Planning 15 Hours</b> 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	<b>Types of organization 15 Hours</b> 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	<b>Directing 15 Hours</b> 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				
<b>Total : (75) Hours</b>					
<b>TEXT BOOK:</b> Fundamentals of Business Organisations and Management- Bhushan Y.K., Sultan Chand & Sons, 2013.					
<b>REFERENCE BOOKS:</b> 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					

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

#### **Mapping Course Outcomes Vs Programme Outcomes**

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

<b>CO/PS O</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	3	1	2	2	2
<b>CO2</b>	2	1	1	2	1
<b>CO3</b>	2	2	1	2	2
<b>CO4</b>	3	1	2	2	1
<b>CO5</b>	2	2	2	2	1
<b>W.AV</b>	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	<ul style="list-style-type: none"><li>➤ To understand about the basic accounting concepts</li><li>➤ To know about the fundamentals of Financial Accounting</li><li>➤ To learn about the procedure to prepare the final accounts</li><li>➤ To study about the fundamentals of cost and management accounting</li></ul>				
Unit I	<b>Introduction to Accounting</b> <b>15 Hours</b> 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	<b>Final Accounts and Books of Accounting</b> <b>15 Hours</b> 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	<b>Branches of Accounting</b> <b>15 Hours</b> 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	<b>Cost Accounting</b> <b>15 Hours</b> 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	<b>Kinds of Costing &amp; Budgeting</b> <b>15 Hours</b> Standard Costing - Variance Analysis – Problems (Material and Labour Variances only) - Marginal Costing - Cost Volume Profit analysis. Budgeting - preparation of various budgets				
Total : (75) Hours					
<b>TEXT BOOKS:</b> Accounting for Managers- Sankar Thappa, Taxmann's Publishers, 2022 Accounting for Managers – C. Rama Gopal, New age publishers, 2009					
<b>REFERENCE BOOKS:</b> 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
<b>CO-1</b>	To understand the basic concepts of accounting kinds and branches of accounting and imparting accounting information is guiding to make decisions	<b>K2</b>
<b>CO-2</b>	To examine the process of manufacturing, trading Profit and Loss account and balance sheet. To apply the maintenance of various books in the management	<b>K5</b>
<b>CO-3</b>	To enhance the basic understanding of cost, management accounting, financial accounting and its distinguished characteristics	<b>K5</b>
<b>CO-4</b>	To impart knowledge making purpose ECQ, Coordinating levels, calculation of remuneration and incentives in the organisation	<b>K2</b>
<b>CO-5</b>	To enumerate and highlight the skills of costing and budget purpose in the organisations	<b>K2</b>

#### Mapping Course Outcomes Vs Programme Outcomes

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

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

**PART III**  
**ALLIED COURSE – THEORY – IA**

I - Semester					
Core	Course code:91515	COMPUTER APPLICATIONS	T	Credits: 4	Hours: 6
Course Objectives	<ul style="list-style-type: none"><li>➤ To get knowledge about the Introduction to computer</li><li>➤ To understand about the Computer hardware and software concepts and components</li><li>➤ To learn about Microsoft Packages</li><li>➤ To study about the basic Artificial Intelligence</li></ul>				
Unit I	<b>Introduction to Hardware &amp; Software</b> 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.				<b>10 Hours</b>
Unit II	<b>Working with Word Processing Software</b> 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.				<b>10 Hours</b>
Unit III	<b>Working with Spreadsheet</b> 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.				<b>10 Hours</b>
Unit IV	<b>Working with Power Point</b> 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				<b>10 Hours</b>
Unit V	<b>Basics of Artificial Intelligence</b> 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				<b>10 Hours</b>
<b>Total : (75) Hours</b>					
<b>TEXT BOOKS:</b> Introduction to Computers, Peter Norton (author), January 2018 (edition), Chaukhamba Auriyantaliya Microsoft Office 2010, Bittu Kumar (author), January 2013 (edition), V&S publishers					
<b>REFERENCE:</b> 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.					
<b>WEBSITE LINK:</b> <a href="https://www.uc.edu/content/dam/uc/ce/docs/OLLI/Page%20Content/ARTIFICIAL%20INTELLIGENCEr.pdf">https://www.uc.edu/content/dam/uc/ce/docs/OLLI/Page%20Content/ARTIFICIAL%20INTELLIGENCEr.pdf</a>					

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

### Mapping Course Outcomes Vs Programme Outcomes

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

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

**Part-IV**  
**SEC – I: SKILL BASED SUBJECT**

<b>Subject Code : 91516</b>	<b>VALUE EDUCATION</b>	<b>L T P C 0 0 2 2</b>
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**COURSE OBJECTIVE:**

- To create an awareness to values among learners
- Help the learners 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. Abdul 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
<b>CO1</b>	Students will understand the importance of value based living.	<b>K2</b>
<b>CO2</b>	Students will gain deeper understanding about the purpose of their life	<b>K2</b>
<b>CO3</b>	Students will understand and start applying the essential steps to become good leaders.	<b>K3</b>
<b>CO4</b>	Students will emerge as responsible citizens with clear conviction to practice values and ethics in life.	<b>K5</b>
<b>CO5</b>	Students will become value based professionals & contribute in building a healthy nation.	<b>K6</b>

**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)

YEAR - I

SEMESTER II

PART - I

Subject Code • 91521T	LANGUAGE TAMIL-II	L T P C 4 0 0 3
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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		பன்னிரண்டாம் 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 Successful completion of the Course, Students will be able to

இப்பாடத்தைக் கற்பதால் பின்வரும் பயன்களை மாணவர் அடைவர்

CO 1	சிறிலக்கியங்களின்வழி 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 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

அலகு-1	தமிழ் இலக்கிய வரலாறு அறிமுகம்.
<ol style="list-style-type: none"> <li>1. சிற்றிலக்கியம்; குறவஞ்சி, கலம்பகம், உலா, பரணி, பள்ளு, பிள்ளைத்தமிழ், தூது, அந்தாதி.</li> <li>2. தனிப்பாடல் அறிமுகம்</li> <li>3. இக்கால இலக்கியம் ;கவிதை, சிறுகதை,நாடகம், உரைநடை. , திராவிட இயக்கம் வளர்த்த தமிழ்.</li> </ol>	

அலகு-2	சிற்றிலக்கியக்கமும்,தனிப்பாடலும்
<p>சிற்றிலக்கியம்;</p> <ul style="list-style-type: none"> <li>• கலிங்கத்து பரணி- விருந்தினரும் வறியவரு நெருங்கி யுண்ணரும் - முதல் - கேட்பாரைக் காண்மின் காண்மின் - வரை</li> <li>• திருக்குற்றாலக் குறவஞ்சி - வானரங்கள் கனிகொடுத்து</li> <li>• முக்கூடற் பள்ளு - ஆற்று வெள்ளம் நாளை வரத்</li> <li>• அபிராமி அந்தாதி- கலையாத கல்வியும் குறையாத வயதும் (பதினாறு செல்வங்கள்)</li> <li>• திருவரங்கக் கலம்பகம் – மறம் -பிள்ளைப் பெருமாள் ஐயங்கார்-பேசுவந்த தூத செல்லரித்த ஓலை செல்லுமோ</li> <li>• தமிழ்விடு தூது முதல் பத்து கண்ணிகள்</li> </ul> <p>தனிப்பாடல்;</p> <ul style="list-style-type: none"> <li>• வான்குருவி யின்கூடு -ஒளவையார்</li> <li>• ஆமணக்குக்கும் யானைக்கும் சிலேடை ;முத்திருக்கும் கொம்பசைக்கும் மூரித்தண் டே - காளமேகப் புலவர்</li> <li>• இம்பர் வான் எல்லை இராமனையே பாடி -வீரராகவர்</li> <li>• நாராய் நாராய் -சத்தி முத்தப் புலவர்</li> </ul>	

அலகு-3	இக்கால இலக்கியம்- 1
<ol style="list-style-type: none"> <li>1. பாரதியார் பாரத சமுதாயம் வாழ்கவே</li> <li>2. பாரதிதாசன் - சிறுத்தையே வெளியில் வா</li> <li>3. நாமக்கல் கவிஞர்-கத்தியின்றி</li> <li>4. தமிழ் ஒளி – மீன்கள் (அந்தி நிலா பார்க்க வா)</li> <li>5. ஈரோடு தமிழன்பன் – எட்டாவது சீர் (வணக்கம் வள்ளுவ )</li> </ol> <p>சிறுகதைகள்;_</p> <ol style="list-style-type: none"> <li>1. புதுமைப்பித்தன் - கடிதம்</li> <li>2. ஜெயகாந்தன் -வாய்ச் சொற்கள் (மாலை மயக்கம் தொகுப்பு)</li> <li>3. ஆர். குடாமணி - அந்நியர்கள்</li> </ol> <p>உரைநடை ;</p> <ol style="list-style-type: none"> <li>1. மு வ கடிதங்கள் - தம்பிக்கு நூலில் முதல் இரண்டு கடிதங்கள்</li> </ol>	
அலகு-4	இக்கால இலக்கியம்- 2
<ol style="list-style-type: none"> <li>1. தந்தை பெரியார் – திருக்குறள்( மாநாட்டு) உரை</li> <li>2. பேரறிஞர் அண்ணா – இரண்டாம் உலகத் தமிழ் மாநாட்டு உரை</li> <li>3. கலைஞர் மு. கருணாநிதி – தொல்காப்பிய பூங்கா -எழுத்து -முதல் நூற்பா கட்டுரை</li> </ol> <p>நாடகம் / திரைத்தமிழ் :</p> <ol style="list-style-type: none"> <li>1. வேலைக்காரி -திரைப்படம்</li> </ol>	



2. ராஜா ராணி -சாக்ரடீஸ் -ஓரங்க நாடகம்	
இதழியல் தமிழ் ;	
முரசொலி கடிதம்	
1. செம்மொழி வரலாற்றில் சில செப்பேடுகள்	
அலகு-5	மொழிப் பயிற்சி
<u>சொல் வேறுபாடு / பிழை தவிர்த்தல்</u>	
<ul style="list-style-type: none"> <li>• வாசிப்பது – வாசிப்பவர்</li> <li>• சுவர்- சுவரில்</li> <li>• வயிறு - வயிற்றில்</li> <li>• கோயில்- கோவில்</li> <li>• கறுப்பு – கருப்பு</li> <li>• இயக்குநர்-இயக்குனர்</li> <li>• சில்லறை-சில்லரை</li> <li>• முறித்தல் – முரித்தல்</li> <li>• மனம்-மனசு- மனது</li> <li>• அருகில்-அருகாமையில்</li> <li>• அக்கரை- அக்கறை</li> <li>• மங்கலம்- மங்களம்.</li> </ul>	
பயிற்சி :	
<ul style="list-style-type: none"> <li>• பிழையான சொற்களை ஒரு பத்தியில் கொடுத்து அந்தப் பிழையான சொற்களைச் சரியாக எழுதச் செய்தல்</li> <li>• சிறிய பத்தி ஒன்றை ஆங்கிலத்தில் கொடுத்து அதனைத் தமிழில் மொழிபெயர்க்க வைத்தல்.</li> </ul>	

Text books	
•	.
Reference Books	
<ul style="list-style-type: none"> <li>• மு. வரதராசன், தமிழ் இலக்கிய வரலாறு, சாகித்ய அக்காதெமி, புதுடெல்லி.</li> <li>• மது. ச. விமலானந்தன், தமிழ் இலக்கிய வரலாறு, மீனாட்சி புத்தக நிலையம், மதுரை.</li> <li>• தமிழண்ணல், புதிய நோக்கில் தமிழ் இலக்கிய வரலாறு, மீனாட்சி புத்தக நிலையம், மதுரை.</li> <li>• தமிழ் இலக்கிய வரலாறு –முனைவர்.சிற்பி பாலசுப்ரமணியம், முனைவர்.சொ.சேதுபதி</li> <li>• புதிய தமிழ் இலக்கிய வரலாறு– முனைவர்.சிற்பி பாலசுப்ரமணியம்,நீல.பத்மநாபன்</li> <li>• தமிழ் இலக்கிய வரலாறு - டாக்டர்.அ.கா.பெருமாள்</li> <li>• தமிழ் இலக்கிய வரலாறு –முனைவர். ப.ச.ஏசுதாசன்</li> <li>• தமிழ் இலக்கிய வரலாறு - ஸ்ரீ குமார்</li> </ul>	

<ul style="list-style-type: none"> <li>• வகைமை நோக்கில் தமிழ் இலக்கிய வரலாறு–பாக்கியமேரி</li> <li>• தமிழ் பயிற்றும் முறை, பேராசிரியர் ந. சுப்புரெட்டியார் - மணிவாசகர் பதிப்பகம், சிதம்பரம்</li> </ul>
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**

<b>SubjectCode</b>	<b>LANGUAGE-</b>	<b>LTPC</b>
• 91521F	<b>FOUNDATION COURSE: FRENCH–II</b>	<b>4 00 3</b>

**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
<b>CO1</b>	Revise and re call the French sentence structure	L2
<b>CO2</b>	Enumerate the various grammatical tenses and use them to Communicate better in French	L3
<b>CO3</b>	Summarize and develop ideas from the documents after discussing It in detail	L2 & L3
<b>CO4</b>	Analyze and interpret verbal expressions of cause, effect, purpose, And opposition in French	L4
<b>CO5</b>	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
<b>CO1</b>	1	1	2	-	-	-	-	2	1	1	3	2
<b>CO2</b>	1	1	2	-	-	-	-	2	1	1	3	2
<b>CO3</b>	1	1	3	-	-	-	-	3	1	1	3	2
<b>CO4</b>	1	1	2	-	-	-	-	2	1	1	3	2
<b>CO5</b>	1	1	3	-	-	-	-	3	1	1	3	2
<b>W.AV</b>	<b>1</b>	<b>1</b>	<b>2.4</b>	-	-	-	-	<b>2.4</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>2</b>

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

**Outcomes Vs Programme Specific Outcomes**

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

S–Strong (3), M-Medium(2), L -Low(1)

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

<b>Subject Code</b> 91521H	<b>LANGUAGE–</b> <b>GENERAL HINDI–II</b>	<b>LTPC</b> <b>4 00 3</b>
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**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 LekhankalaaaurKahani 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](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/>

**PART – I**

**PAPER-I**

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



## PART-II

<b>SubjectCode</b> 91522	<b>PAPERII–GENERAL ENGLISH-II</b>	<b>LTPC</b> <b>4 00 3</b>
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### 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

### UNIT I      RESILIENCE      20 Hours

#### Poem

Don't Quit – Edgar A. Guest  
Still Here – Langston Hughes

#### Short Story

Engine Trouble – R.K. Narayan  
Rip Van Winkle – Washington Irving

### UNIT II      DECISION MAKING      20 Hours

#### Short Story

The Scribe – Kristin Hunter  
The Lady or the Tiger – 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 (Chapters 1,2,3) 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
<b>CO1</b>	Realize the importance of resilience	L2
<b>CO2</b>	Become good decision- makers	L4
<b>CO3</b>	Imbibe problem-solving skills	L3
<b>CO4</b>	Use tenses appropriately	L3
<b>CO5</b>	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/60976/60976-h/60976-h.htm>

4. Frank Stockton. The Lady or the Tiger <https://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)

### PARTIII

#### CORE COURSE – THEORY– III

<b>Subject Code:</b> 91523	<b>PRINCIPLES OF AIRLINE AND AIRPORT MANAGEMENT</b>	<b>L T P C</b>  <b>6 0 0 5</b>
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#### 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
<b>CO1</b>	To gain insight into the historical development of aviation and understand the Indian aviation landscape in a new light.	<b>L2</b>
<b>CO2</b>	To grasp the significance of international aviation governance through ICAO & IATA.	<b>L2</b>
<b>CO3</b>	To unravel about Airport Management and Operations.	<b>L2</b>
<b>CO4</b>	To interpret about Travel and Tourism Sector with Aviation Industry and to learn about the roles and responsibilities of Travel Agents.	<b>L2</b>
<b>CO5</b>	To learn about the Airport operational area, Organisation structure and Indian scenario of Airport Management.	<b>L2</b>

**TEXT BOOKS:**

1. Airline & Airport Operations – Edissa Uwayo, Notion Press, 2016.

**REFERENCE BOOKS:**

1. Networks in Aviation: Strategies & Structures – Philipp Goedeke, 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, Routledge

**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
<b>CO1</b>	1	-	-	2	2	1	1	0	1	1	-	1
<b>CO2</b>	2	1	1	1	2	1	1	0	1	1	-	1
<b>CO3</b>	2	1	1	3	2	2	2	1	2	2	1	1
<b>CO4</b>	-	1	1	1	-	-	-	1	2	2	2	1
<b>CO5</b>	1	1	1	3	2	2	1	1	1	1	1	1
<b>W.AV</b>	<b>1.2</b>	<b>08</b>	<b>08</b>	<b>2</b>	<b>1.6</b>	<b>1.2</b>	<b>1</b>	<b>0.6</b>	<b>1.4</b>	<b>1.4</b>	<b>0.8</b>	<b>1</b>

S–Strong (3), M–Medium(2), L –Low(1)

### Mapping Course Outcomes Vs Programme Specific Outcomes

<b>CO/PS O</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	2	2	1	2	1
<b>CO2</b>	2	1	1	1	1
<b>CO3</b>	2	1	1	2	1
<b>CO4</b>	-	-	3	1	1
<b>CO5</b>	2	2	1	2	2
<b>W.AV</b>	<b>1.6</b>	<b>1.2</b>	<b>1.4</b>	<b>1.6</b>	<b>1.2</b>

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

### PARTIII

#### CORE COURSE – THEORY– IV

<b>Subject Code:</b> 91524	<b>BASICS OF AVIATION INDUSTRY</b>	<b>L T P C</b>  <b>6 0 0 5</b>
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#### 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
<b>CO1</b>	This course aims to delve into Evolution and to gain insight into the ever-evolving aviation industry.	<b>L1</b>
<b>CO2</b>	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.	<b>L2</b>
<b>CO3</b>	This course is designed to comprehend how airport security is carried out and to understand passenger needs and other airline services.	<b>L2</b>
<b>CO4</b>	To gain insight into airline terminal management and to understand its operations.	<b>L2</b>
<b>CO5</b>	To bring about an understanding of situational awareness and crisis management at airports.	<b>L3</b>

**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
<b>CO1</b>	1	1	1	1	1	2	1	1	1	-	-	1
<b>CO2</b>	1	1	1	2	3	1	1	-	1	-	-	1
<b>CO3</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>CO4</b>	1	1	1	2	2	2	2	1	1	1	1	1
<b>CO5</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>W.A V</b>	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

<b>CO/PS O</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	2	2	1	2	2
<b>CO2</b>	1	1	1	2	1
<b>CO3</b>	1	1	1	2	2
<b>CO4</b>	1	1	1	2	2
<b>CO5</b>	1	2	1	1	1
<b>W.AV</b>	1.2	1.4	1	1.8	1.6

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

**PART-III**  
**ALLIED COURSE – THEORY– IB**

<b>Subject Code:</b> 91525	<b>BUSINESS LAW</b>	<b>L T P C</b>  <b>6 0 0 4</b>
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**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
<b>CO1</b>	To help the students to understand basic rules of Indian contract 1872, and handle basic rules of offer, acceptance, consideration and capacity of parties.	<b>L2</b>
<b>CO2</b>	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.	<b>L1</b>
<b>CO3</b>	To impart the knowledge of individual companies to understanding MOA, AOA certificate of Incorporations prospectus.	<b>L1</b>
<b>CO4</b>	Exploring the different acts related to the business organization and knowing the remedies for the breach of contract.	<b>L4</b>
<b>CO5</b>	To impart the students various kinds of acts like, patent act, consumer production act, IP act and essentials of agreements.	<b>L2</b>

**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
<b>CO1</b>	1	1	-	-	1	1	1	1	1	1	1	1
<b>CO2</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>CO3</b>	1	1	1	-	-	1	1	1	1	1	1	1
<b>CO4</b>	1	1	1	-	-	1	1	1	1	1	1	1
<b>CO5</b>	1	1	1	1	-	1	1	1	1	1	1	1
<b>W.A V</b>	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

<b>CO/PS O</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	2	1	2	1	1
<b>CO2</b>	2	2	2	1	1
<b>CO3</b>	1	1	1	1	1
<b>CO4</b>	1	1	1	1	1
<b>CO5</b>	1	1	1	1	1
<b>W.AV</b>	1.4	1.2	1.4	1	1

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

**PART-III**  
**SEC – II SKILL ENHANCEMENT COURSE**

<b>Subject Code:</b> 91526	<b>ENVIRONMENTAL STUDIES</b>	<b>L T P C</b>  <b>0 0 2 2</b>
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**COURSE OBJECTIVES:**

- 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 disciplinary 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. India as a mega-diversity nation. Hot-spots of biodiversity. Threats to biodiversity: habitat 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 of an 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
<b>CO1</b>	Explain the various types of natural resources.	<b>L5</b>
<b>CO2</b>	To find and implement scientific, technological, economic solutions to environmental problems.	<b>L5</b>
<b>CO3</b>	To know about the inter relationship between living organisms and environment.	<b>L5</b>
<b>CO4</b>	To understand the integrated themes and biodiversity, natural resources, pollution control and waste management.	<b>L2</b>
<b>CO5</b>	To appreciate the importance of environment by assessing its impact on The human world.	<b>L1</b>

#### **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)

**SECOND YEAR**  
**SEMESTER-III**  
**PART - I**

<b>Subject Code</b> • 91531T	<b>LANGUAGE-TAMIL- III</b>	<b>LTPC</b> <b>4 00 3</b>
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பொதுத்தமிழ் -3

தமிழக வரலாறும் பண்பாடும்

இரண்டாம் ஆண்டு - மூன்றாம் பருவம்

Course Code	Course Name	category	L	T	P	S	Credits	Ins.Hrs	CIA	Externa	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											
<ul style="list-style-type: none"><li>தமிழக வரலாற்றை அறிந்துகொள்ளுதல்.</li><li>தமிழரின் வாழ்வியல் தொன்மையை அறிதல்.</li><li>தமிழரின் பண்பாட்டினை அறிந்துகொள்ளல்.</li><li>தமிழர்மேல் நிகழ்ந்த பிற பண்பாட்டுத் தாக்கங்களை அறிதல்.</li><li>தமிழ் இலக்கியம் சார்ந்த போட்டித் தேர்வுகளுக்கு ஏற்ப கற்பித்தல் நடைமுறைகளை மேற்கொள்ளுதல்</li></ul>											
Expected Course Outcomes											
On the Successful 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 - Understand; 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. நாயக்கர் 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
<ul style="list-style-type: none"> <li>• நிறுத்தக் குறிகள்</li> <li>• கலைச்சொற்கள்</li> <li>• மொழிபெயர்ப்பு</li> </ul> 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, தமிழக்கோட்டம், 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

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

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

**PART – I****PAPER-I**

<b>Subject Code</b> 91531F	<b>LANGUAGE- FOUNDATION</b>  <b>COURSE: FRENCH – III</b> <b>TRANSLATION,COMPREHENSIONAND</b> <b>GRAMMAR–I</b>	<b>LTPC</b>  <b>4 00 3</b>
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**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
<b>CO1</b>	Understand the structure and use of the different grammatical tenses	K2
<b>CO2</b>	Translate texts and examine them	K2andK4
<b>CO3</b>	Draft summaries of literary texts	K2andK6
<b>CO4</b>	Identify the requirement and employ the different grammatical tenses	K3
<b>CO5</b>	Analyze and critically assess the literary texts	K4andK5

**Mapping Course Outcomes Vs Programme Outcomes**

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

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

### Mapping Course Outcomes Vs Programme Specific Outcomes

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

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

**PART – I**  
**PAPER-I**  
**(Patra Lekhana aur Paribhashik Shabdavali)**

<b>Subject Code</b> 91531H	<b>LANGUAGE–</b> <b>GENERAL HINDI–III</b>	<b>LTPC</b> <b>4 00 3</b>
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**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                      Niji Patra Lekhan                      9 Hours**

- Niji Patra– Arth aur Bhed
- Pitaji/Matajika naampatra
- Mitra, Bhai aur adika naampatra
- Paribhashik Shabdavali -Prashasanik

**Unit II                      Samajik Patra Lekhan                      9 Hours**

- Samajik Patra– Arth aur Bhed
- Aavedan Patra–Noukri, Chutti aur adi
- Dak Adhikarika naampatra
- Nagarpalikaka naampatra
- Parivahan pradhikarika naampatra
- Paribhashik shabdavali- vidhi

**Unit III                      Vyavasayik Patra Lekhan                      9 Hours**

- Vyavasayik Patra–Arth aur Bhed
- Prakashakaka naampatra
- Pooch-Taach
- Shikayathi
- Kshatipoorthi aur adivishyoparpatra lekhan
- Paribhashik shabdavali– Padnamvamantralayokanaam

**Unit IV                      Samanya Parichay                      9 Hours**

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

- Avedan
- Paribhashik Shabdavali - Banking

**Unit V                      PratiyogiParikshaparadharitPatracharseSambandhitPrashikshanKarya**  
**9 Hours**

- PraroopbananakaPrashikshan dena
- TippanlikhnekaPrashikshan Dena
- Vibhinnapratiyogiparikshaokbaremeinsuchnapradan dena

**Total:45 Hours**

**TEXTBOOKSANDREFERENCE BOOKS:**

1. AlekhanaurTippan–Prof. Viraj
2. Alekhan- Kichlu

**COURSE OUTCOMES:**

<b>CO1</b>	Providing knowledge of Letter writing in Hindi.	K3
<b>CO2</b>	Telling about the rules of Official Correspondence	K2
<b>CO3</b>	Providing knowledge of Official language Hindi	K4
<b>CO4</b>	Providing practice on Drafting and noting	K5; K6
<b>CO5</b>	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**

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

**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) Related Online Contents**

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

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

**PART – I**

**PAPER-I**

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

## PART-II

<b>Subject Code:</b> 91532	<b>PAPER-II GENERAL ENGLISH-III</b>	<b>LTPC</b> <b>4 00 3</b>
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### 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

### UNIT I ACTIVE LISTENING 20 Hours

#### Short Story

In a Grove– Akutagawa Ryunosuke Translated from Japanese by Takashi Kojima  
The Gift of the Magi– O’ Henry

#### Prose

Listening–Robin Sharma  
Nobel Prize Acceptance Speech –Wangari Maathai

### UNIT II 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

### UNIT III 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
<b>CO1</b>	Listen actively	L2
<b>CO2</b>	Develop interpersonal relationship skills	L3
<b>CO3</b>	Acquire self-confidence to cope with stress	L4
<b>CO4</b>	Master grammar skills	L5
<b>CO5</b>	Carry out business communication effectively	L3

**TEXT BOOKS:**

1. Wangari Maathai –Nobel Lecture. Nobel Prize Outreach AB 2023.Jul 2023.
2. Mahesh Dattani, Where there is a Will. Penguin, 2013.
3. Martin Hewings, 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/westmank/spring\\_00/SOYINKA.html](https://www.k-state.edu/english/westmank/spring_00/SOYINKA.html)
3. Anxiety Monster- RhonaMcFerran-[www.poetrysoup.com](http://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
<b>CO1</b>	1	3	2	-	-	-	-	2	-	1	1	2
<b>CO2</b>	1	3	2	-	-	-	-	2	-	1	1	2
<b>CO3</b>	1	3	2	-	-	-	-	2	-	1	1	2
<b>CO4</b>	1	3	2	-	-	-	-	2	-	1	1	2
<b>CO5</b>	1	3	2	-	-	-	-	2	-	1	1	2
<b>W.AV</b>	<b>1</b>	<b>3</b>	<b>2</b>	-	-	-	-	<b>2</b>	-	<b>1</b>	<b>1</b>	<b>2</b>

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

### Mapping Course Outcomes Vs Programme Specific Outcomes

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

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

**PART-III**  
**CORECOURSE –THEORY –V**

<b>Subject Code:</b> 91533	<b>AVIATION ANCILLARY SERVICES</b>	<b>L T P C</b>  <b>6 0 0 5</b>
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**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
<b>CO1</b>	To gain an understanding about ground handling and to develop insights in to the aviation industry through comprehensive industry knowledge.	<b>L2</b>
<b>CO2</b>	To acquire expertise in passenger handling processes and to learn in detail about handling specialised passengers in airports.	<b>L4</b>
<b>CO3</b>	To learn about the intricacies of baggage handling and to interpret the knowledge needed for industry standards for positive customer experience.	<b>L2</b>
<b>CO4</b>	To learn about airport ground handlers, their responsibilities and activities on aircrafts	<b>L2</b>
<b>CO5</b>	To enrich themselves with the knowledge about airport operations and management by learning about service proficiency and strategic airport management.	<b>L5</b>

**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
<b>CO1</b>	2	1	-	2	2	1	1	1	1	1	1	1
<b>CO2</b>	1	1	1	1	2	1	1	-	1	1	1	1
<b>CO3</b>	1	1	1	1	1	1	1	-	1	1	1	1
<b>CO4</b>	2	1	1	2	1	1	1	-	1	1	1	1
<b>CO5</b>	2	1	1	3	3	1	2	1	1	1	1	1
<b>W.A V</b>	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

<b>CO/PS O</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	2	1	1	2	1
<b>CO2</b>	1	1	1	2	2
<b>CO3</b>	2	1	1	2	1
<b>CO4</b>	2	1	1	2	1
<b>CO5</b>	2	2	1	2	2
<b>W.AV</b>	1.8	1.2	1	2	1.4

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



**PART-III**  
**CORE COURSE –THEORY –VI**

<b>SubjectCode:</b> 91534	<b>AIRLINE AND AIRPORT MARKETING MANAGEMENT</b>	<b>L T P C</b>  <b>6 0 0 5</b>
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**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
<b>CO1</b>	This course aims to understand the market values of air transport tindustry.	<b>L2</b>
<b>CO2</b>	Through out this course, students will understand about Air travel marketing strategy and its product analysis.	<b>L2</b>
<b>CO3</b>	This course uncovers the ideas about the airlines revenue management, its distribution and promotion.	<b>L2</b>
<b>CO4</b>	This course is designed to understand about the marketing strategies for airport business.	<b>L4</b>
<b>CO5</b>	This course is made to elevate student's understanding of Airport marketing plan.	<b>L5</b>

**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
<b>CO1</b>	1	1	1	2	1	2	2	1	2	1	1	1
<b>CO2</b>	1	1	1	-	-	1	1	1	1	1	1	1
<b>CO3</b>	1	1	1	-	-	1	1	1	1	1	1	1
<b>CO4</b>	2	1	1	2	2	2	1	1	1	1	1	1
<b>CO5</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>W.AV</b>	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

<b>CO/PS O</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	2	1	1	1	1
<b>CO2</b>	1	2	1	1	1
<b>CO3</b>	1	1	1	1	2
<b>CO4</b>	1	1	1	1	1
<b>CO5</b>	1	1	1	1	1
<b>W.AV</b>	1.2	1.2	1	1	1.2

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



**COURSE OUTCOMES:**

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

**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 Trautrimis (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
<b>CO1</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>CO2</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>CO3</b>	1	1	1	-	-	1	1	1	1	1	1	1
<b>CO4</b>	1	1	1	1	1	2	1	1	1	1	1	1
<b>CO5</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>W.A V</b>	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

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

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

**PART-IV**  
**SEC -III**

<b>Subject Code:</b> 91536	<b>ENTREPRENEURSHIP</b>	<b>L T P C</b> <b>0 0 2 2</b>
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**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.

<b>UNITH</b>	<b>BUSINESS</b>	<b>6 Hours</b>
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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.

<b>UNIT III</b>	<b>BUSINESS PLAN PREPARATION</b>	<b>6 Hours</b>
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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” 8<sup>th</sup> 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](http://www.forentrepreneurs.com)
2. [www.allbusiness.com](http://www.allbusiness.com)
3. [www.forbes.com](http://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, முகர, 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 இலக்கணங்களை 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 :	<ul style="list-style-type: none"> <li>கவிதை, சிறுகதை, புதினம், உரைநடை ஆகிய படைப்பியல் வகைகளைப் பற்றிய பரந்துபட்ட புலமையைப் பெருக்குதல்.</li> <li>இக்காலத் தமிழ் இலக்கியங்களின் உள்ளடக்கம், வெளியீட்டு நெறி, படைப்பில் கொள்கை ஆகியவற்றை அறியச் செய்தல்</li> </ul>				
அலகு -1	கவிதை இலக்கியம்				
அலகு -2	<ol style="list-style-type: none"> <li>பாரதியார் - சுதந்திரப் பாடல்கள்: 'சுதந்திரப் பெருமை' என்ற பாடல் முதல் 'சுதந்திரப் பள்ளி' என்ற பாடல் வரை உள்ள 06 பாடல்கள்.</li> <li>பாரதிதாசன் - தமிழ் (முதல்தொகுதி) 'தமிழின் இனிமை' என்ற பாடல் முதல் 'தமிழ்க்களவு' என்ற பாடல் வரை உள்ள 10 பாடல்கள்.</li> <li>நாமக்கல் கவிஞர்- காந்தி மலர் : 'காந்தி அஞ்சலி' என்ற பாடல் முதல் 'இணையிலா காந்தி' என்ற பாடல்வரை உள்ள 6 பாடல்கள்.</li> <li>கவிமணி - உடல் நலம் பேணல் 'உடலின் உறுதி உடையவரே' என்ற பாடல் முதல் 'அருமை உடலின் நலமெல்லாம்' என்ற பாடல் வரை உள்ள 8 பாடல்கள்</li> <li>பட்டுக் கோட்டை கல்யாண சுந்தரம் - காடு வேளையட்டும் பொண்ணே</li> <li>கண்ணதாசன் - மனிதரைப் பாட மாட்டேன் (கவிதைகள்)</li> <li>ஜீவா - பெண் விடுதலை</li> <li>அப்துல் ரகுமான் - வீட்டுக்கொரு மரம் (சூடு தூறக்கும் பறவை)</li> <li>சண்முகம் சரவணன் - இயல்பாய் நடந்தேறியது</li> </ol>				
அலகு-3	நாவல் இலக்கியம் இறையன்பு - ஆத்தங்கரை ஓரம்,				

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

அலகு	இலக்கணம் முதல் எழுத்துக்கள் - சார்பெழுத்துக்கள் - மொழி முதல் எழுத்துக்கள் - மொழி இறுதி எழுத்துக்கள் - வல்லினம் மிகும் இடங்கள், மிகா இடங்கள்.
நியூ செஞ்சரி புக் ஹவுஸ் பிரைவேட் லிமிடெட்.சென்னை - 98.	
பயன்கள்	<ul style="list-style-type: none"> <li>இலக்கியங்கள் வாயிலாக மாணவர்கள் பல்வகைப்பட்ட சமூகப் போக்குகளையும் மக்களின் பண்பு நலன்களையும் அறிந்து கொள்ள இயலும்.</li> <li>பல வகையான இலக்கிய வாசிப்பின் வாயிலாக மாணவர்கள் தங்களின் படைப்பாற்றல் உள்ளிட்ட பணி நிலைகளுக்கு உயர்வதற்கான வாய்ப்பினைப் பெறுவர்.</li> </ul>

<b>Semester III</b>				
<b>Course Code</b>	<b>NME</b>	<b>T/P</b>	<b>C</b>	<b>H/W</b>
	<b>IT Skills for Employment (Common to all UG programmes)</b>	<b>T</b>	<b>2</b>	<b>2</b>
<b>Objectives:</b> <ul style="list-style-type: none"> <li>➤ Understand the components of computer</li> <li>➤ Understand Internet and its terminology</li> <li>➤ Understand basic cyber safety and security norms</li> </ul>				
<b>Unit- 1</b>	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.			
<b>Unit- 2</b>	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.			
<b>Unit- 3</b>	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.			
<b>Unit -4</b>	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.			
<b>Unit- 5</b>	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).
<p style="text-align: center;"><b>Reference Books :</b></p> <p>Vikas B. Agarwal Jyoti P. Mirani, <i>Computer Fundamentals</i> -Publisher: Nirali Prakashan (1 August 2019)</p> <p>Lambert Joan, Lambert Steve, <i>Windows 10 Step By Step</i>, Publisher : PHI Learning Pvt Ltd</p> <p>Mike Mc Grath and Michael, <i>Office 2016 In Easy Steps</i>, Price Publisher: BPB Publications</p> <p>Adesh K. Pandey, <i>Internet Fundamentals</i></p> <p>James KL, <i>The Internet : A Users Guide</i></p> <p>Jaago Teens, <i>Cyber Safety For Everyone</i> - BPB Publications (October 12, 2019)</p> <p>Refer website's and You tube tutorials .</p>	
<b>Outcomes</b>	<ul style="list-style-type: none"> <li>➤ Skills to work efficiently with windows, word, excel, powerpoint presentation.</li> <li>➤ Skills to use internet for various purpose with safe and secure.</li> </ul>

**SECOND YEAR**  
**SEMESTER-IV**  
**PART - I**

<b>SubjectCode</b> 91541T	<b>LANGUAGE TAMIL-IV</b>	<b>LTPC</b> 4 00 3
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பொதுத்தமிழ் -4

தமிழும் அறிவியலும்

இரண்டாம் ஆண்டு - நான்காம் பருவம்

Course Code	Course Name	category	L	T	P	S	Credits	Ins.Hrs	CIA	External	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											
<ul style="list-style-type: none"><li>தாய்மொழி வழியாக அறிவியல் பற்றிய சிந்தனைகளை வளர்த்தல்.</li><li>அறிவியல் கலைச் சொல்லாக்கம் பற்றிப் பயிற்றுவித்தல்.</li><li>மாணவர்களுக்கு அறிவியல் பார்வையை ஏற்படுத்துதல்.</li><li>தமிழில் அறிவியல் படைப்பிலக்கியங்களை உருவாக்கத் தூண்டுதல்</li><li>தமிழ் இலக்கியம் சார்ந்த போட்டித் தேர்வுகளுக்கு ஏற்ப கற்பித்தல் நடைமுறைகளை மேற்கொள்ளுதல்</li></ul>											
Expected Course Outcomes											
On the Successful 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 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create											



அலகு-1	தமிழரின் அறிவியல் சிந்தனைகள்
	<ul style="list-style-type: none"> <li>• அறிவியலும் மனித வாழ்வும்</li> <li>• ஐந்திணைப் பகுப்பும் சூழலியலும்</li> <li>• தொழில்நுட்ப மேலாண்மை</li> <li>• நீர் நில மேலாண்மை</li> </ul>
அலகு-2	பழந்தமிழ் இலக்கியங்களில் அறிவியல் சிந்தனைகள்
	<ol style="list-style-type: none"> <li>1. நிலவியல்</li> <li>2. உலோகவியல்</li> <li>3. வானவியல்</li> <li>4. உயிரியல்</li> <li>5. உளவியல்</li> </ol>
அலகு-3	இடைக்கால இலக்கியங்களில் அறிவியல் சிந்தனைகள்
	<ol style="list-style-type: none"> <li>1. காப்பியங்களில் அறிவியல்</li> <li>2. சிற்றிலக்கியங்களில் அறிவியல்</li> <li>3. உரைநூல்களில் அறிவியல்</li> </ol>
அலகு-4	இணையத் தமிழ்
	<ol style="list-style-type: none"> <li>1. இணையத் தமிழ் பயன்பாடு - அறிமுகம்</li> <li>2. இணையத்தமிழ்க் கல்விக்கழகம்</li> <li>3. இணைய நூலகம்</li> <li>4. செயற்கை நுண்ணறிவியல்</li> <li>5. தமிழ்நாட்டு அறிவியல் ஆளுமைகள்</li> </ol>
அலகு-5	கடிதம் எழுதுதலும் கட்டுரை எழுதுதலும்
	<ul style="list-style-type: none"> <li>• உறவு முறைக் கடிதப் பயிற்சி</li> <li>• அலுவலகக் கடிதப் பயிற்சி</li> <li>• விண்ணப்பப் படிவம் எழுதும் பயிற்சி</li> <li>• தன் விவரப் படிவம் எழுதும் பயிற்சி</li> <li>• கருத்து விளக்கக் கட்டுரைகள் எழுதும் பயிற்சி</li> <li>• பத்திரிகைகளுக்குக் கட்டுரை எழுதும் பயிற்சி</li> </ul>
Text books	
	<ul style="list-style-type: none"> <li>• அறிவியல் தமிழ் இன்றைய நிலை - இராதா செல்லப்பன், உலகத் தமிழாராய்ச்சி நிறுவனம், சென்னை.</li> <li>• மணவை முஸ்தபா, தமிழில் அறிவியல் படைப்பிலக்கியம், மணவை பப்ளிகேஷன், சென்னை.</li> <li>• கலைச்சொல்லாக்கம் - மங்கை, ரங்கராசபுரம், சென்னை .</li> <li>•</li> </ul>
Reference Books	
	<ol style="list-style-type: none"> <li>1.தமிழர் வேளாண்மை மரபுகள் - இல).செ.கந்தசாமி</li> <li>• 2. சங்க இலக்கியத்தில் வேளாண் சமுதாயம், பெ.மாதையன், நியூ செஞ்சுரி புக் ஹவுஸ்</li> <li>3. தமிழில் அறிவியல் இதழ்கள்சாமுவேல்- ரா.பார்வேந்தன் ஃபிஷ்கிறீன் பதிப்பகம், கோவை</li> </ol>

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. கணிணித் தமிழ், இல. சுந்தரம் - விகடன் பிரசுரம்
9. மாண்புமிகு மண், பாமயன், வம்சி புகஸ்
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**

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

**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’égöistepuni  
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

**UNIT V****9 Hours**

L'avis de la grand-mère

Le Horla

L'expression de la condition et de l'hypothèse

**Total: 45 Hours****TEXT BOOKS AND REFERENCE BOOKS:****Reading List (Print and Online)**

1.K.Madanagobalan & 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
<b>CO1</b>	Demonstrate the usage of connecting words in a given text	K2
<b>CO2</b>	Understand and differentiate the various types of past tenses in " <i>Les Temps du Passé</i> "	K2 and K4
<b>CO3</b>	Summarize the literary texts after a thorough analysis	K2 and K4
<b>CO4</b>	Identify and apply the different grammatical tenses of " <i>les temps du passé</i> "	K3
<b>CO5</b>	Analyze and critically assess the literary texts with regard to the Themes and literary techniques	K4 and K5

**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
<b>CO1</b>	1	2	3	-	-	-	1	2	-	2	2	2
<b>CO2</b>	1	2	3	-	-	-	1	1	-	2	2	2
<b>CO3</b>	1	2	3	-	-	-	1	1	-	2	2	2
<b>CO4</b>	1	2	2	-	-	-	1	1	-	1	1	2
<b>CO5</b>	1	2	2	-	-	-	1	1	-	1	1	2
<b>W.AV</b>	<b>1</b>	<b>2</b>	<b>2.6</b>	-	-	-	<b>1</b>	<b>1.2</b>	-	<b>1.6</b>	<b>1.6</b>	<b>2</b>

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

### Mapping Course Outcomes Vs Programme Specific Outcomes

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

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

**PART – I**  
**PAPER-I**  
**(Hindi Bhashaaur Computer)**

<b>Subject Code</b> 91541H	<b>LANGUAGE–</b> <b>GENERALHINDI-IV</b>	<b>LTPC</b> <b>4 00 3</b>
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**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                      Proudhyogikiaur 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**

**TEXT BOOKS AND REFERENCE BOOKS:**

1. Social Networking: Naye SamaykaSamvad– Ed. SanjayDwivedi
1. Jansanchaur Maas Culture– Jagdeeshwar
2. Media: BhumandalikaraurSamaj–Ed.SanjayDwivedi
3. Naye JamanekiPatrakarita–Sourabh Shukla
4. PatrakaritaseMediatat–Manoj Kumar

**COURSE OUTCOMES:**

<b>CO1</b>	Providing knowledge of Letter writing in Hindi.	K2
<b>CO2</b>	Knowing the difference between Devanagari Script And Unicode and its application	K4
<b>CO3</b>	Providing knowledge of usage of Hindi in different govt. offices	K5
<b>CO4</b>	Know about E-Patrikas	K3
<b>CO5</b>	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**

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

**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>

**PART – I**

**PAPER-I**

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

## PART-II

<b>Subject Code:</b> 91542	<b>PAPERII–GENERAL ENGLISH-IV</b>	<b>LTPC</b> <b>4 00 3</b>
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### 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's Theatre

The Giant's Wife 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
<b>CO1</b>	Determine their goals	L4
<b>CO2</b>	Identify the value of integrity.	L2
<b>CO3</b>	Deal with emotions.	L3
<b>CO4</b>	Frame grammatically correct sentences	L4
<b>CO5</b>	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](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://poemanalysis.comhttps://www.oxfordscholarlyeditions.com/display/10.1093/acrade/9780199235742.book.1/acrade-9780199235742-div1-106- William Hazlitt](https://poemanalysis.comhttps://www.oxfordscholarlyeditions.com/display/10.1093/acrade/9780199235742.book.1/acrade-9780199235742-div1-106-William%20Hazlitt)

### 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
<b>CO1</b>	1	2	3	-	-	-	1	2	-	2	2	2
<b>CO2</b>	1	2	3	-	-	-	1	1	-	2	2	2
<b>CO3</b>	1	2	3	-	-	-	1	1	-	2	2	2
<b>CO4</b>	1	2	2	-	-	-	1	1	-	1	1	2
<b>CO5</b>	1	2	2	-	-	-	1	1	-	1	1	2
<b>W.AV</b>	<b>1</b>	<b>2</b>	<b>2.6</b>	-	-	-	<b>1</b>	<b>1.2</b>	-	<b>1.6</b>	<b>1.6</b>	<b>2</b>

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

### Mapping Course Outcomes Vs Programme Specific Outcomes

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

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

**PART-III**  
**CORECOURSE –THEORY –VII**

<b>Subject Code:</b> 91543	<b>AIR TRAVEL MANAGEMENT</b>	<b>L T P C</b>  <b>6 0 0 5</b>
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**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
<b>CO1</b>	To gain an overview on transportation and marketing principles and how Marketing is applied in the airline industry.	<b>L3</b>
<b>CO2</b>	To interpret market strategies and product concepts those are needed for Airline operations.	<b>L4</b>
<b>CO3</b>	To understand time calculations for efficient air travel planning and logistics	<b>L2</b>
<b>CO4</b>	To trace the growth of air transport and understand how decisions are made In terms of airport system planning.	<b>L5</b>
<b>CO5</b>	To analyse building blocks in airline pricing, policies and to explore brand Building and relationship marketing in the industry.	<b>L4</b>

**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
<b>CO1</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>CO2</b>	1	1	1	2	2	2	1	1	1	1	1	1
<b>CO3</b>	1	1	1	2	2	2	1	1	1	1	1	1
<b>CO4</b>	2	1	1	2	2	2	1	1	1	1	1	1
<b>CO5</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>W.AV</b>	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

<b>CO/PS O</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	1	1	1	1	1
<b>CO2</b>	2	1	1	2	1
<b>CO3</b>	1	1	1	1	2
<b>CO4</b>	1	2	1	2	2
<b>CO5</b>	1	2	1	1	1
<b>W.AV</b>	1.2	1.4	1	1.4	1.4

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

**PART-III**  
**CORECOURSE- THEORY- VIII**

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

**UNIT-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;		<b>Knowledge Level</b>
<b>CO1</b>	To gain an overview on air transportation, airport and types of airport.	<b>L1</b>
<b>CO2</b>	To understand about the airport business such as airport customers, airport revenue and economic benefits of airport.	<b>L2</b>
<b>CO3</b>	To understand Basic aviation geography including time calculations for Efficient air travel planning.	<b>L3</b>
<b>CO4</b>	To analyse the structures of airport and its operations	<b>L4</b>
<b>CO5</b>	To get basic knowledge about Air Traffic Services along with classification Of ATS airspace	<b>L2</b>

**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**

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

<b>Subject Code:</b> 91546	<b>PRINCIPLES OF TOURISM MANAGEMENT</b>	<b>L T P C</b>  <b>6 0 0 4</b>
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**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
<b>CO1</b>	To understand about the Evolution of tourism industry along with its growth and development	<b>L2</b>
<b>CO2</b>	To explore the knowledge about Components, Types and Forms of Tourism	<b>L4</b>
<b>CO3</b>	To know about the various organisations and its contribution for the growth of Tourism sector	<b>L2</b>
<b>CO4</b>	To analyse the different impacts of tourism	<b>L4</b>
<b>CO5</b>	To understand completely about the functions for tourism entrepreneurs	<b>L2</b>

**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
<b>CO1</b>	-	1	1	-	-	-	-	2	1	1	1	1
<b>CO2</b>	-	1	1	-	-	-	-	2	1	1	1	1
<b>CO3</b>	1	1	1	-	-	1	1	2	1	1	1	1
<b>CO4</b>	-	1	1	-	-	1	1	2	1	1	1	1
<b>CO5</b>	-	1	2	-	-	1	1	2	1	1	1	1
<b>W.AV</b>	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

<b>CO/PS O</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	-	-	3	1	1
<b>CO2</b>	-	-	3	1	1
<b>CO3</b>	-	-	3	1	1
<b>CO4</b>	-	-	3	1	2
<b>CO5</b>	-	-	3	1	2
<b>W.AV</b>	-	-	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
	இலக்கியமும் மொழிப் பயன்பாடும்		P	2
நோக்கம்	➤ மாணவர்கள் தமிழின் சிறப்புகள் அறிதல். ➤ பிழையின்றித் தமிழ் பேசுவதற்குப் பயிற்சி அளித்தல்			
அலகு	தமிழ் நீதி இலக்கியக் கருத்துக்களை அறிதல் திருக்குறள் (அறன் வலியுறுத்தல்) – 10 குறட்பாக்கள் ஆத்தி சூடி – முதல் 20 பாடல்கள் மூதுரை – முதல் 15 பாடல்கள்			
அலகு	தமிழின் சிறப்புகளை அறிதல் – (வாய்மொழித் தேர்வு) தமிழ்மொழியின் தொன்மை – சிறப்பு – தமிழ் இலக்கியங்கள் – சங்கப்புலவர்கள் தமிழ்க்காப்பியங்கள் – புதுக்கவிஞர்கள் – குறித்த செய்திகளை அறிதல்			
அலகு	சொற்களின் பயன்பாடு. அருஞ்சொற்பொருள் அறிதல் – பிரித்து எழுதுதல் – சேர்த்து எழுதுதல் – எதிர்ச்சொல் அறிதல், ஒரெழுத்து ஒரு மொழி அறிதல்			
அலகு	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)			
அலகு	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	<b>சங்க இலக்கியம்</b> 1. நற்றிணை – 'நயனும், நண்பும், நாணூ' எனத் தொடங்கும்பாடல் (குறிஞ்சி - 392) 2. குறுந்தொகை – 'நெய்தல் இருங் கழி' எனத் தொடங்கும் நெய்தற் பத்து பாடல். (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. பிறாக்கென முயலுநர்! பாடியவர்: கடலுள் மாய்ந்த இளம்பெரு வழுதி.			
அலகு -2	<b>காப்பிய இலக்கியம்</b> சிலப்பதிகாரம் – அடைக்கலக் காதை (மதுரைக் காண்டம்)			

<p><b>அலகு-3</b></p>	<p><b>நீதி இலக்கியம்</b></p> <ol style="list-style-type: none"> <li>1. திருக்குறள் - அறிவுடைமை - 10 குறட்பாக்கள்</li> <li>2. நாலடியார் - மேன்மக்கள் (முதல் பாடல்)</li> <li>3. நான்மணிக்கடிகை - 'அஞ்சாமை அஞ்சுக' எனத் தொடங்கும் பாடல் எண்: 27</li> <li>4. இனியவை நாற்பது - 'எவது மாறாஇளக்கிளைமை' எனத் தொடங்கும் பாடல் எண்: 3</li> <li>5. இன்னா நாற்பது - 'ஆற்றல் இலாதான் பிடித்த படை' எனத் தொடங்கும் பாடல் எண்: 07</li> </ol>
<p><b>அலகு -4</b></p>	<p><b>இலக்கியவரலாறு</b></p> <ol style="list-style-type: none"> <li>1. சங்க காலம் - எட்டுத்தொகை, பத்துப்பாட்டு.</li> <li>2. காப்பிய இலக்கிய வரலாறு - ஐம்பெருங் காப்பியங்கள் - ஐஞ்சிறு காப்பியங்கள்</li> <li>3. சிற்றிலக்கியங்கள் தோற்றமும் வளர்ச்சியும்</li> <li>4. புதுக்கவிதை தோற்றமும் வளர்ச்சியும்.</li> </ol>
<p><b>அலகு -5</b></p>	<p><b>இலக்கணம்</b></p> <ol style="list-style-type: none"> <li>1. சொல்வகை - பெயர், வினை, இடை, உரி</li> <li>2. அணி இலக்கணம்- உவமை அணி, உருவக அணி தற்குறிப்பேற்ற அணி, உயர்வு நவிற்சி அணி.</li> <li>3. புதுக்கவிதை இலக்கணம்- படிமம் குறியீடு.</li> </ol>
<p><b>பயன்கள்:</b></p>	<ul style="list-style-type: none"> <li>➤ அரசுப் பணி பெறுவதற்கான வாய்ப்பினை நல்குதல்.</li> <li>➤ நடைமுறைத் தமிழ் இலக்கியத்தை அறைய உதவுதல்</li> </ul>

Semester-IV					
Course code:		NME	T/P	C	H/W
		Small Business Management	T	2	2
Objectives	<p>➤ To understand the policy initiatives and infrastructural support for establishing a small scale enterprises</p> <p>➤ To analyze the opportunities for starting a small enterprise.</p>				
Unit-I	<p>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.</p>				
Unit-II	<p>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.</p>				
Unit-III	<p>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</p>				
Unit-IV	<p>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</p>				
Unit-V	<p>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</p>				
Unit-VI	<p>Dynamic Component for Continuous Internal Assessment only: Contemporary Developments Related to the Course during the Semester concerned.</p>				
<p align="center"><b>REFERENCES:</b></p> <p align="center">MathurS.P.(1979)<i>Economicsofsmall-scaleindustries.</i></p> <p align="center">Siropolis.(1986)<i>EntrepreneurshipandsmallBusinessManagement</i></p> <p align="center">VasantDesai.(1979)<i>Organizationandmanagementofsmallscaleindustries.</i></p>					
Outcomes	<p>➤ Thestudentshouldbeablefindoutasuitableideaforstartingasmallenterprise</p> <p>➤ The student should be able to visualize the importance of small scale enterprises in economic development.</p>				



**YEAR – III**  
**SEMESTER-V**  
**PART – III**

<b>Subject Code:</b> 91551	<b>CABIN CREW MANAGEMENT</b>	<b>L T P C</b> <b>6 0 0 5</b>
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**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

<b>UNIT-1</b>	<b>Crew Profession</b>	<b>20 Hours</b>
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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

<b>UNIT-2</b>	<b>Cabin crew Living lifestyle</b>	<b>10 Hours</b>
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Cabin crew living lifestyle – Nutrition – Grooming practices – Personal Hygiene – Hair and Hairstyles – Make-up & Cosmetics – Jewellery – Eyewear – Ethic mannerism – life style as cabin crew.

<b>UNIT-3</b>	<b>Risk Management</b>	<b>10 Hours</b>
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Personal health risk – Health risk links with travel and flying – work pressure – preflight briefing – preflight preparations – Boarding process – Preparing for take-off and landing – Time Management – Stress Management – Identifying factors responsible for stress

<b>UNIT-4</b>	<b>Roles &amp; Responsibilities</b>	<b>10 Hours</b>
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Roles, Duties and responsibilities of cabin crew – Transit in Travel – Handling information – Precautions – Handling emergency situations

<b>UNIT-5</b>	<b>In-Flight Services</b>	<b>10 Hours</b>
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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
<b>CO1</b>	To know about the profession and nature of job of a cabin crew in aviation industry.	<b>L1</b>
<b>CO2</b>	To comprehend how is the living lifestyle of cabin crew.	<b>L2</b>
<b>CO3</b>	To delve in to the identification and analysis of Risk Management in this cabin crew profession	<b>L5</b>
<b>CO4</b>	To understand in detail about the roles and responsibility of a cabin crew.	<b>L2</b>
<b>CO5</b>	To understand about all the in-flight services provided by a cabin crew.	<b>L2</b>

**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](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
<b>CO1</b>	1	1	3	1	1	1	2	2	1	2	3	1
<b>CO2</b>	1	1	2	2	3	2	1	1	1	2	3	1
<b>CO3</b>	2	1	2	2	2	2	2	2	1	3	2	1
<b>CO4</b>	1	1	2	2	3	2	1	1	1	2	3	1
<b>CO5</b>	1	1	3	1	1	2	1	3	1	2	2	1
<b>W.AV</b>	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

<b>CO/PS O</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	2	1	3	1	1
<b>CO2</b>	3	1	3	1	1
<b>CO3</b>	2	2	2	1	1
<b>CO4</b>	3	1	3	1	1
<b>CO5</b>	2	2	2	1	1
<b>W.AV</b>	2.4	1.4	2.6	1	1

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

**PART-III**  
**CORECOURSE –THEORY–XI**

<b>SubjectCode:</b> 91552	<b>AIR CARGO MANAGEMENT</b>	<b>L T P C</b>  <b>6 0 0 5</b>
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**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.

<b>UNIT-1</b>	<b>Cargo Management</b>	<b>10 Hours</b>
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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.

<b>UNIT-2</b>	<b>Introduction to Air Cargo</b>	<b>10 Hours</b>
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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.

<b>UNIT-3</b>	<b>Documents in Air cargo</b>	<b>20 Hours</b>
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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

<b>UNIT-4</b>	<b>Cargo Handling</b>	<b>10 Hours</b>
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Handling cargo – Cargo capacity of Air – Cargo needing special attention – Handling of equipment's at airport: Loading and Unloading – Air Freight exports and imports

<b>UNIT-5</b>	<b>Dangerous Goods Regulation</b>	<b>10 Hours</b>
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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
<b>CO1</b>	To understand the role of air transportation in logistics and learn its significance, regulations, and influences in the industry.	<b>L2</b>
<b>CO2</b>	To develop and learn the intricacies of determining freight rates for air Cargo and its competition in air logistics.	<b>L3</b>
<b>CO3</b>	To explore various service levels in air cargos, handling, limitations and to learn about its devices, mail and documentation needed for processing.	<b>L4</b>
<b>CO4</b>	To learn about regulatory compliance, industrial resources and how the Roles of freight forwarders vary between international and domestic standards.	<b>L2</b>
<b>CO5</b>	To learn about intermediaries in air cargo and the different warehousing agents related to air cargo and learning about the dangerous goods regulations.	<b>L2</b>

**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
<b>CO1</b>	2	1	-	2	2	1	1	1	1	1	1	1
<b>CO2</b>	1	1	1	2	-	1	1	1	1	1	1	1
<b>CO3</b>	1	1	2	2	1	2	1	1	1	1	1	1
<b>CO4</b>	1	1	-	1	1	1	1	1	1	1	1	1
<b>CO5</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>W.AV</b>	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

<b>CO/PS O</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	2	1	1	1	1
<b>CO2</b>	1	1	1	1	2
<b>CO3</b>	2	1	1	2	2
<b>CO4</b>	1	1	1	1	1
<b>CO5</b>	1	1	1	1	2
<b>W.AV</b>	1.4	1	1	1.2	1.6

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

**PART – III DSE–  
ELECTIVE–I**

<b>Subject Code:</b> 91553A	<b>BUSINESS RESEARCH METHODOLOGY</b>	<b>L T P C</b> <b>5 0 0 4</b>
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**COURSE OBJECTIVES:**

- 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–scope and significance–Types of research–Research Process– Characteristics of good research – Scientific method – Problems in research – Identifying research problem– objectivity in research.–sampling design–meaning –concepts–steps in sampling – criteria for good sample design–Types of sample designs–Probability and non–probability samples.

**UNIT – 2                      Research Design                      10 Hours**

Hypothesis: meaning – sources – Types – formulation Research design – Types – features of good design–measurement–meaning–need Errors in measurement–Tests of sound measurement 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–Techniques of Interpretation–Report writing: Significance–Report writing:- Steps in report writing–Layout of report–Types of reports–Oral presentation– 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**

**COURSE OUTCOMES:**

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

**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– Rao K.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
<b>CO1</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>CO2</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>CO3</b>	1	1	1	1	1	-	-	1	1	1	1	1
<b>CO4</b>	1	1	1	1	-	1	1	1	1	1	1	1
<b>CO5</b>	-	1	1	-	-	1	1	1	1	1	1	1
<b>W.AV</b>	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
<b>CO1</b>	1	1	1	2	2
<b>CO2</b>	2	1	2	2	2
<b>CO3</b>	1	1	1	1	1
<b>CO4</b>	2	1	2	1	1
<b>CO5</b>	1	1	2	1	2
<b>W.AV</b>	1.4	1	1.6	1.4	1.6

S–Strong (3), M–Medium(2), L –Low(1)



**PART – III**  
**DSE–ELECTIVE–I**

<b>Subject Code:</b> 91553B	<b>CONSUMER BEHAVIOR</b>	<b>L T P C</b>  <b>5 0 0 4</b>
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**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
<b>CO1</b>	To enable the students to learn the basics of consumer behaviour and its objectives, discipline of consumer behaviour, customer value Satisfaction and marketing ethics.	<b>L1</b>
<b>CO2</b>	Students will understand about consumer research in a better manner, The process of consumer research and motivation.	<b>L2</b>
<b>CO3</b>	To understand the behavioural learning theories and measures of Consumer learning, consumer attitude and strategies for attitude change.	<b>L4</b>
<b>CO4</b>	Impart the knowledge of social class of consumer behaviour, lifestyle profiles of consumer classes and cross cultural consumer behaviour strategies.	<b>L4</b>
<b>CO5</b>	To enrich the students' knowledge towards the consumer decision Making process to choose the product or service.	<b>L5</b>

**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, Dell. 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
<b>CO1</b>	1	1	1	1	1	1	1	2	1	1	1	2
<b>CO2</b>	1	1	1	-	1	1	1	2	2	1	1	1
<b>CO3</b>	1	1	1	1	-	1	1	2	2	2	1	1
<b>CO4</b>	1	1	1	-	1	1	1	1	1	1	1	1
<b>CO5</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>W.AV</b>	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

<b>CO/PS O</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	1	1	1	1	1
<b>CO2</b>	1	1	1	1	1
<b>CO3</b>	1	1	2	1	1
<b>CO4</b>	1	1	1	1	1
<b>CO5</b>	2	1	2	1	1
<b>W.AV</b>	1.2	1	1.4	1	1

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

**PART – III DSE  
ELECTIVE–I**

<b>Subject Code:</b> 91553C	<b>CUSTOMER RELATIONSHIP MANAGEMENT</b>	<b>L T P C</b> <b>5 0 0 4</b>
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**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
<b>CO1</b>	Students will understand about the customer relationship marketing, basis of building relationship, types of relationship Marketing and Customer lifecycle.	<b>L2</b>
<b>CO2</b>	To understand the concepts of CRM and relationship marketing, Importance of customer divisibility in CRM.	<b>L2</b>
<b>CO3</b>	To impart the knowledge about sales force automation, contact management, enterprise marketing management and customer Relationship management in India.	<b>L4</b>
<b>CO4</b>	Understand the value chain concept of CRM, Integration business management, Benchmarks and metrics culture change alignment with customer ecosystem.	<b>L2</b>
<b>CO5</b>	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.	<b>L3</b>

**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**

<b>Subject Code:</b> 91554A	<b>HUMAN RESOURCES MANAGEMENT</b>	<b>L T P C</b>  <b>5 0 0 4</b>
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**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
<b>CO1</b>	1	1	1	1	1	1	2	1	1	2	2	1
<b>CO2</b>	2	1	1	1	-	1	1	1	1	2	1	2
<b>CO3</b>	2	1	1	1	1	1	2	2	1	1	2	2
<b>CO4</b>	2	1	1	1	1	1	2	2	2	1	1	2
<b>CO5</b>	1	1	1	1	1	1	2	2	2	1	3	1
<b>W.AV</b>	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
<b>CO1</b>	3	2	2	1	1
<b>CO2</b>	1	1	1	1	1
<b>CO3</b>	3	2	2	1	1
<b>CO4</b>	2	2	2	1	1
<b>CO5</b>	2	2	2	1	1
<b>W.AV</b>	2.2	1.8	1.8	1	1

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

**PART–III DSE–  
ELECTIVE –II**

<b>Subject Code:</b> 91554B	<b>ECONOMICS FOR EXECUTIVES</b>	<b>L T P C</b>  <b>5 0 0 4</b>
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**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 - Keynes'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 in public 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, (2<sup>nd</sup> Edition), Macmillan press, 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)

**PART–III DSE–  
ELECTIVE –II**

<b>Subject Code:</b> 91554C	<b>RETAIL MANAGEMENT</b>	<b>L T P C</b>  <b>5 0 0 4</b>
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**COURSE OBJECTIVES:**

- 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

<b>UNIT– 1</b>	<b>Overview of Retailing</b>	<b>20 Hours</b>
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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.

<b>UNIT-2</b>	<b>Layout and Design</b>	<b>10 Hours</b>
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Retail store location and layout - Country/Region analysis - Trade area analysis - Site evaluation and selection-Store design and layout- Comprehensive store planning- Exterior design and layout -Interior store design and layout –Interior design elements.

<b>UNIT-3</b>	<b>Pricing Strategies</b>	<b>10 Hours</b>
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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.

<b>UNIT-4</b>	<b>Promotion</b>	<b>10 Hours</b>
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Communicating with the retail customer - Retail promotion mix Advertising - Sales promotion - Publicity - Retail selling process - Retail database- In-store customer service.

<b>UNIT– 5</b>	<b>International Retailing</b>	<b>10 Hours</b>
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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 University Press, 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– A strategic 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- 9<sup>th</sup> 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/PS O	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)**

**PART–III DSE–  
ELECTIVE –III**

<b>Subject Code:</b> 91555A	<b>AIR REGULATIONS</b>	<b>L T P C</b>  <b>5 0 0 4</b>
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**COURSE OBJECTIVES:**

- 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 acts against 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 - Section 7-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
<b>CO1</b>	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.	<b>L2</b>
<b>CO2</b>	To interpret the aircraft act 1934 and aircraft rules in regulating Various aspects of civil aviation.	<b>L3</b>
<b>CO3</b>	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.	<b>L4</b>
<b>CO4</b>	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.	<b>L2</b>
<b>CO5</b>	To explore key international conventions in aviation and understand Their roles in establishing international standards and regulations.	<b>L4</b>

**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
<b>CO1</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>CO2</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>CO3</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>CO4</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>CO5</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>W.AV</b>	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

<b>CO/PS O</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	1	1	1	1	1
<b>CO2</b>	1	1	1	1	1
<b>CO3</b>	1	1	1	1	1
<b>CO4</b>	1	1	1	1	1
<b>CO5</b>	1	1	1	1	1
<b>W.AV</b>	1	1	1	1	1

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

**PART-III DSE–  
ELECTIVE –III**

<b>Subject Code:</b> 91555B	<b>AIR TRAFFIC CONTROL</b>	<b>L T P C</b> <b>5 0 0 4</b>
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**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
<b>CO1</b>	To develop knowledge on the fundamentals of air traffic services which Includes separation and meteorological support.	<b>L3</b>
<b>CO2</b>	To understand ATC clearances and flight management, area control and ATC procedures which include separation techniques.	<b>L2</b>
<b>CO3</b>	To unravel the science behind radar services in ATC and to learn about flight Information to secure aviation operations.	<b>L4</b>
<b>CO4</b>	To Grasp the foundation terminologies for aerodromes and to be able to Identify physical characteristics for airports.	<b>L2</b>
<b>CO5</b>	To explore the significance of visual aids at airports and to gain an insight In to emergency and other essential services provided at airports.	<b>L4</b>

**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](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
<b>CO1</b>	2	1	1	1	1	1	1	1	1	1	1	1
<b>CO2</b>	2	1	1	1	1	1	1	1	1	1	1	1
<b>CO3</b>	2	1	1	1	1	1	1	1	1	1	1	1
<b>CO4</b>	2	1	1	3	3	2	2	1	1	1	1	1
<b>CO5</b>	2	2	2	2	2	2	2	1	1	1	1	1
<b>W.A V</b>	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/PS O	PSO1	PSO2	PSO3	PSO4	PSO5
<b>CO1</b>	2	2	1	2	2
<b>CO2</b>	2	2	1	2	2
<b>CO3</b>	2	2	1	2	1
<b>CO4</b>	2	2	1	2	1
<b>CO5</b>	2	2	1	2	2
<b>W.AV</b>	2	2	1	2	1.4

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

**PART-III DSE–  
ELECTIVE –III**

<b>Subject Code:</b> 91555C	<b>AVIATION SAFETY MANAGEMENT</b>	<b>L T P C</b>  <b>5 0 0 4</b>
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**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
<b>CO1</b>	To gain insights in to aviation safety management, accident and incident, Building aviation safety program.	<b>L4</b>
<b>CO2</b>	To understand the involve men to human factors in aviation safety.	<b>L2</b>
<b>CO3</b>	To learn to know the Aviation safety program and internal reporting system.	<b>L2</b>
<b>CO4</b>	To understand about the Aircraft maintenance safety regulations and Appropriate inspections	<b>L2</b>
<b>CO5</b>	To get knowledge about the airport emergence response plans initiated During any emergencies	<b>L1</b>

**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](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/P O	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/PS O	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)

**PART-III**  
**CORE COURSE –THEORY –XII**

<b>Subject Code:</b> 91561	<b>AVIATION SAFETY &amp; SECURITY</b>	<b>L T P C</b>  <b>5 0 0 4</b>
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**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-1Importance 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 palestine- 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
<b>CO1</b>	To understand the principles of aviation security and its importance in the aviation industry by learning about important entities related to the industry.	<b>L2</b>
<b>CO2</b>	To learn about protocols involved for passenger and baggage screening and learn about methods that can be implemented for overall safety.	<b>L2</b>
<b>CO3</b>	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.	<b>L4</b>
<b>CO4</b>	To learn about essential handling methods for prisoners, weapons, and passengers and to also study about protecting and searching of aircrafts.	<b>L2</b>
<b>CO5</b>	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.	<b>L5</b>

**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
<b>CO1</b>	3	1	-	2	2	2	2	1	1	1	1	1
<b>CO2</b>	1	1	2	2	1	2	2	1	1	1	1	1
<b>CO3</b>	2	1	1	3	1	3	3	1	1	1	1	1
<b>CO4</b>	2	1	1	2	1	2	3	1	1	1	1	1
<b>CO5</b>	2	1	2	2	1	2	2	1	1	1	1	1
<b>W.AV</b>	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

<b>CO/PS O</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	2	2	1	1	1
<b>CO2</b>	2	1	2	1	1
<b>CO3</b>	2	2	1	2	1
<b>CO4</b>	2	2	1	1	1
<b>CO5</b>	2	2	1	1	1
<b>W.AV</b>	2	1.8	1.2	1.2	1

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

**PART-III**  
**CORE COURSE-THEORY –XIII**

<b>Subject Code:</b> 91562	<b>AIRPORT PLANNING &amp; DESIGN</b>	<b>L T P C</b>  <b>5 0 0 5</b>
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**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
<b>CO1</b>	To understand about the airport planning and various concepts of airfield Design	<b>L2</b>
<b>CO2</b>	To know about the airport planning procedure and site selection	<b>L2</b>
<b>CO3</b>	To get knowledge about the Airside layout, runways taxiways and apron Configuration and management	<b>L2</b>
<b>CO4</b>	To understand about the air cargo terminal and passenger terminal planning And considerations	<b>L2</b>
<b>CO5</b>	To study about the Risk management in airport planning and operations	<b>L3</b>

**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/P O	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)

**PART-III**  
**CORE COURSE-THEORY –XIV**

<b>Subject Code:</b> 91563	<b>AIRLINE REVENUE MANAGEMENT</b>	<b>L T P C</b>  <b>5 0 0 5</b>
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**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
<b>CO1</b>	To understand about the basic knowledge about the airline pricing and Revenue management.	<b>L2</b>
<b>CO2</b>	To earn knowledge about managing the airline passenger demand and Forecasting	<b>L2</b>
<b>CO3</b>	To understand about the airline revenue and yield management by various Strategies like seating and capacity allocation	<b>L42</b>
<b>CO4</b>	To get depth knowledge about airline scheduling process and performance Management	<b>L4</b>
<b>CO5</b>	To analyse about the Low cost carriers business model practice	<b>L4</b>

**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)

**PART–III DSE–  
ELECTIVE –IV**

<b>Subject Code:</b> 91564A	<b>PROFESSIONAL ETHICS</b>	<b>L T P C</b>  <b>5 0 0 4</b>
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**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
<b>CO1</b>	To understand about the basic concepts of professional ethics and how to handle the emotional intelligence	<b>L2</b>
<b>CO2</b>	To earn knowledge about the basic ethical principles with various Theories	<b>L2</b>
<b>CO3</b>	To get idea about designing the personal development plan and managing time effectively	<b>L4</b>
<b>CO4</b>	To analyse about the commercial awareness with the help of various analysis like SWOT and PESTEL	<b>L4</b>
<b>CO5</b>	To get knowledge about team work and improving leadership skills through motivational forces	<b>L5</b>

**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
<b>CO1</b>	1	1	1	-	-	1	1	1	1	2	1	1
<b>CO2</b>	1	1	1	-	-	1	2	1	1	2	1	1
<b>CO3</b>	1	1	1	-	-	1	2	1	1	2	2	1
<b>CO4</b>	1	1	1	1	1	1	1	1	1	2	2	1
<b>CO5</b>	1	1	1	-	-	1	2	1	1	2	1	1
<b>W.AV</b>	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

<b>CO/PS O</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	2	1	2	1	1
<b>CO2</b>	2	2	2	1	1
<b>CO3</b>	2	2	2	1	1
<b>CO4</b>	2	1	2	1	1
<b>CO5</b>	2	1	2	1	1
<b>W.AV</b>	2	1.4	2	1	1

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

**PART–III DSE–  
ELECTIVE –IV**

<b>Subject Code:</b> 91564B	<b>TOTAL QUALITY MANAGEMENT</b>	<b>L T P C</b>  <b>5 0 0 4</b>
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**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.Besterfield, 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”, 6<sup>th</sup> Edition, South- Western (Thomson Learning), 2005.
2. Oakland. J.S. “TQM– Text with Cases”, Butter worth– Hcinemann Ltd., Oxford, 3<sup>rd</sup> 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
<b>CO1</b>	1	2	2	1	1	2	2	2	1	1	1	1
<b>CO2</b>	2	2	2	1	1	2	1	2	1	1	1	1
<b>CO3</b>	2	2	2	1	1	1	1	2	2	2	2	1
<b>CO4</b>	2	2	2	2	2	1	1	1	1	1	2	1
<b>CO5</b>	1	1	1	1	1	1	1	1	1	1	1	1
<b>W.AV</b>	<b>1.6</b>	<b>1.8</b>	<b>1.8</b>	<b>1.2</b>	<b>1.2</b>	<b>1.4</b>	<b>1.4</b>	<b>1.6</b>	<b>1.2</b>	<b>1.2</b>	<b>1.4</b>	<b>1</b>

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

### Mapping Course Outcomes Vs Programme Specific Outcomes

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

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

**PART-III DSE-  
ELECTIVE –IV**

<b>Subject Code:</b> 91564C	<b>SERVICE MARKETING</b>	<b>L T P C</b>  <b>5 0 0 4</b>
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**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
<b>CO1</b>	To understand about the Services and the characteristics of Services especially in the growth of the service sector.	<b>L2</b>
<b>CO2</b>	To develop knowledge about the service marketing mix along with the knowledge of Promotion and Distribution methods for services.	<b>L1</b>
<b>CO3</b>	To unravel the Strategies of Service Marketing which involves in analysis of Demand and Supply through capacity planning and segmentation.	<b>L4</b>
<b>CO4</b>	To Grasp the various terminologies used in the service quality, Especially on developing appropriate and effective communication about service quality.	<b>L2</b>
<b>CO5</b>	To explore the different service sectors in the society associated with special reference to the aviation industry.	<b>L5</b>

**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. Zeithaml, 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

<b>Subject Code:</b> 91565	<b>PROJECT WORK</b>	<b>L T P C</b>  <b>0 0 10 8</b>
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#### **COURSE OBJECTIVES:**

- To develop the ability to solve a specific problem right from its identification and literature review 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 completing the 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
<b>CO1</b>	Proficient Problem- Solving Skills.	<b>L5</b>
<b>CO2</b>	Effective Project Report Preparation	<b>L3</b>
<b>CO3</b>	Skillful Engagement in Reviews and Viva Voce Examinations	<b>L6</b>
<b>CO4</b>	Collaborative Project Execution	<b>L6</b>
<b>CO5</b>	Project Management and Evaluation	<b>L5</b>
<b>CO6</b>	Critical Analysis and Synthesis	<b>L4</b>
<b>CO7</b>	Effective Communication and Presentation	<b>L5</b>
<b>CO8</b>	Profound Understanding of Evaluation Methods	<b>L2</b>

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
<b>CO1</b>	1	2	3	3	3	3	3	3	2	2	3	3
<b>CO2</b>	1	2	3	3	3	3	3	3	2	2	3	3
<b>CO3</b>	1	2	3	3	3	3	3	3	2	2	3	3
<b>CO4</b>	1	2	3	3	3	3	3	3	2	2	3	3
<b>CO5</b>	1	2	3	3	3	3	3	3	2	2	3	3
<b>CO6</b>	1	2	3	3	3	3	3	3	2	2	3	3
<b>CO7</b>	1	2	3	3	3	3	3	3	2	2	3	3
<b>CO8</b>	1	2	3	3	3	3	3	3	2	2	3	3
<b>W.AV</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>

**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)

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

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

$$\text{GRADE POINT AVERAGE (GPA)} = \frac{\sum C_i G_i}{\sum C_i}$$

GPA = Sum of the multiplication of grade points by the credits of the courses

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 9.0 and above but below 9.5	O+ O	First Class – Exemplary*
8.5 and above but below 9.0 8.0 and above but below 8.5 7.5 and above but below 8.0	D++ D+ D	First Class with Distinction*
7.0 and above but below 7.5 6.5 and above but below 7.0 6.0 and above but below 6.5	A++ A+ A	First Class

5.5 and above but below 6.0 5.0 and above but below 5.5	<b>B+</b> <b>B</b>	Second Class
4.5 and above but below 5.0 4.0 and above but below 4.5	<b>C+</b> <b>C</b>	Third Class
0.0 and above but below 4.0	<b>U</b>	Re-appear

$$\text{CUMULATIVE GRADE POINT AVERAGE (CGPA)} = \frac{\sum_n \sum_i C_{ni} \quad G_{ni}}{\sum_n \sum_i C_{ni}}$$

CGPA = Sum of the multiplication of grade points by the credits of the entire programme

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 i and ‘n’ refers to the semester 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.