Rathinam College of Arts & Science (Autonomous), Coimbatore-21. Regulations 2024 Admitted in BBA - Logistics from the academic year 2024-2025

DEPARTMENT OF MANAGEMENT UG

RATHINAM COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Rathinam Tech zone, Pollachi Road,

Eachanari, Coimbatore – 641021



Syllabus for

BBA Logistics

2024-2025 Batch on-wards

Rathinam College of Arts & Science (Autonomous), Coimbatore-21. Admitted in BBA (Logistics)) from the academic year 2024-2025 Onwards Vision and Mission of the Institution:

VISION

To emerge as a world-renowned Institution that is integrated with Industry to impart Knowledge, Skills, Research Culture and Values in youngsters who can accelerate the overall development of India.

MISSION

To provide quality education at affordable cost, build academic and research excellence, maintain ecofriendly and robust infrastructure, and to create a team of well qualified faculty who can build global competency and employability among the youth of India.

ΜΟΤΤΟ

Transform the youth into National Asset.

Vision and Mission of the Department:

VISION

To establish the Management Department as a dynamic and continually evolving center of excellence, dedicated to providing students with a transformative learning experience. Our aim is to nurture global leaders who not only excel in business but also contribute significantly to the growth of society and the nation."

MISSION

Empower students to become agile, forward-thinking leaders who drive positive change in the business world, contribute to the betterment of society, and foster economic growth and prosperity on a national and global scale.

Program Educational Objectives (PEO)

PEO1	Pursue a career as a globally competent and universally employable professional in core and related fields in diverse sectors who accelerates the overall development of India.
PEO2	Pursue lifelong learning opportunities including graduate degrees to improve and expand domain specific and professional skills.
PEO3	Advance personally and professionally by accepting professional and societal responsibilities, and pursuing leadership roles.

Mapping of Institute's Mission to PEO

Institute's Mission	PEO's
To provide quality education at affordable cost, build academic and research excellence maintain eco-friendly and robust infrastructure, and	PEO1, PEO2
To create a team of well qualified faculty who can build global competency and employability among the youth of India.	PEO2, PEO3

Regulations 2024

Mapping of Department Mission to PEO

esearch skills professionalism	PEO 1, PEO 2 PEO 1, PEO 2							
professionalism								
•								
• 11 1 1 1	PEO 2, PEO 3,							
Viable technical knowledge and core competencyPEO 1. PEO 3								
utcomes (PO):								
Demonstrate knowledge competency in core discipline								
Apply the appropriate knowledge and suitable skills in solvin	g the complex problems							
Conduct investigations of complex problems through various	scientific approaches							
Design solutions for complex and open ended real-life or real	-time problems							
Use appropriate and advanced tools for wide range of prac associated limitations	ctices with an understanding on its							
Work effectively and responsibly as a member or a leader in a	a team							
Express complex concepts within the profession and with soc	viety at large							
Understand the professional roles and responsibilities								
Analyze social and environmental aspects of the professional	practices							
Practice higher moral and ethical standards during the dischar	rge of professional duties							
PO11 : Incorporate finer finance and business practices in all professional engagements								
: Identify and address their professional development through lifelong learning								
	Itcomes (PO): Demonstrate knowledge competency in core discipline Apply the appropriate knowledge and suitable skills in solvin Conduct investigations of complex problems through various Design solutions for complex and open ended real-life or real Use appropriate and advanced tools for wide range of pracassociated limitations Work effectively and responsibly as a member or a leader in Express complex concepts within the profession and with soc Understand the professional roles and responsibilities Analyze social and environmental aspects of the professional Practice higher moral and ethical standards during the dischar Incorporate finer finance and business practices in all profess							

Program Specific Outcomes (PSO)

PSO 1 : Understand the dynamic and complex working environment of ever-changing Logistics and Supply Chain Management.
PSO 2 : Applying conceptual and analytical abilities required for effective decision making in crisis situation.
PSO 3 : Understand the problems faced by the Logistics and Supply Chain business sector in the rapidly changing current environment.

Correlation between the PO/PSO and the PEOs

Program Outcomes		PEO 1	PEO 2	PEO 3
PO 1	:	3	1	3
PO 2	:	3	2	3
PO 3	:	1	2	3

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PO 4	:	3	1	3
PO 5	:	3	3	2
PO 6	:	2	3	3
PO 7	:	2	3	1
PO 8	:	3	2	1
PO 9	:	2	2	3
PO 10	:	3	2	1
PO 11	:	2	1	1
PO 12	:	3	2	2
PSO 1	:	2	3	1
PSO 2	:	3	2	2
PSO 3	:	2	3	3
2 0	1 . •	0 1	1	1 T 1 .

3 – Strong correlation; 2-moderate correlation; 1-Less correlation; Blank-no correlation

Components considered for Course Delivery is listed below:

- a. Class room Lecture
- b. Laboratory class and demo
- c. Assignments
- d. Mini Project
- e. Project
- f. Online Course
- g. External Participation
- h. Seminar
- i. Internship

Mapping of POs with Course Delivery:

Program		Course Delivery												
Outcome	a	b	с	D	Ε	F	G	h	i					
PO1	3	3	1	1	2	1	3	3	1					
PO2	3	3	2	3	3	1	1	2	3					
PO3	3	3	1	3	1	1	1	2	3					
PO4	2	3	2	3	3	1	1	3	1					
PO5	3	2	1	3	1	3	3	3	3					
PO6	2	3	1	3	3	1	2	3	3					
PO7	2	3	1	3	1	1	2	3	3					
PO8	2	2	1	2	3	3	2	3	3					
PO9	1	1	2	3	3	3	2	3	3					
PO10	2	1	2	3	2	2	2	2	2					
PO11	1	1	2	2	2	3	3	3	3					
PO12	1	2	3	2	2	2	3	3	3					
PSO1	2	3	1	3	2	3	1	3	3					
PSO2	3	2	2	3	3	2	2	3	2					
PSO3	2	3	3	2	2	3	3	2	3					

3 - Strong correlation; 2-moderate correlation; 1-Less correlation; Blank-no correlation

RATHINAM COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS) BBA LOGISTICS DEGREE PROGRAMME BBA (LOGISTICS) Curriculum Structure -Regulation – 2024

	(For students admitted from 2024-2025 and onwards)										
S.N 0.	Sem	Par t	Sub Type	Cour se Code	Course Name	Cre dit	Hou rs	INT	EX T	Total	
1	1	1	L1		Language – I	3	5	50	50	100	
2	1	2	L2		English – I	3	5	50	50	100	
3	1	3	Core		Core Course – I Theory	4	5	50	50	100	
4	1	3	Core		Core Course – II Theory /Practical	4	4	50	50	100	
5	1	3	Allied		Allied-I	4	5	50	50	100	
6	1	4	SEC		Skill Enhancement Courses – I Practical / Training -	4	4	50	50	100	
7	1	4	AEC		Ability Enhancement Course I Environmental Studies or Universal Human Values & Professional Ethics	2	2	50	0	50	
						24	30	350	300	650	
1	2	1	L1		Language – II	3	5	50	50	100	
2	2	2	L2		English – II	3	5	50	50	100	
3	2	3	Core		Core Course – III Theory	4	5	50	50	100	
4	2	3	Core		Core Course – IV Theory / Practical	4	4	50	50	100	
5	2	3	Electi ve		Elective - I	4	4	50	50	100	
6	2	3	Allied		Allied-II	4	5	50	50	100	
7	2	4	AEC		Ability Enhancement Course II Design Thinking	2	2	50	0	50	
8	2	5	Ext		Extension Activity - I (NASA)	1	0	25	0	25	
						25	30	375	300	675	

(For students admitted from 2024-2025 and onwards)

Rathinam College of Arts & Science (Autonomous), Coimbatore-21. Admitted in BBA (Logistics)) from the academic year 2024-2025 Onwards

Regulations 2024

Admit	ted in B	BBA (Lo	gistics)) from	the academic year 2024-2025 Onwa	rds			Regulat	ions 2024
1	3	1	L1	Language – III	3	4	50	50	100
2	3	2	L2	English – III	3	4	50	50	100
3	3	3	Core	Core Course – V Theory	4	6	50	50	100
4	3	3	Core	Core Course – VI Theory / Practical	4	4	50	50	100
5	3	3	Allied	Allied-III	4	5	50	50	100
6	3	4	SEC	Skill Enhancement Courses – II Practical / Training	4	5	50	50	100
7	3	4	AEC	Ability Enhancement Course III Soft Skill-1	2	2	50	0	50
8	3	3	ITR	Internship / Industrial Training (Summer vacation at the end of II semester activity)	2	0	50	0	50
9	3	5	Ext	Extension Activity - II (NASA)	1	0	25	0	25
					27	30	425	300	725
1	4	1	L1	Language – IV	3	4	50	50	100
2	4	2	L2	English – IV	3	4	50	50	100
3	4	3	Core	Core Course – VII Theory	4	6	50	50	100
4	4	3	Core	Core Course – VIII Theory / Practical	4	4	50	50	100
5	4	3	Allied	Allied-IV	4	5	50	50	100
8	4	3	Electi ve	Elective - II	4	5	50	50	100
7	4	4	AEC	Ability Enhancement Course IV Soft Skill-2	2	2	50	0	50
8	4	5	Ext	Extension Activity - III (NASA)	1	0	25	0	25
					25	30	375	300	675
1	5	3		Allied Course –	2	4	0	100	100

	Admitted in BBA (Logistics)) from the academic year 2024-2025 Onwards Regulations 2024									
				MOOC(Logistics 4.0)						
2	5	3		Apprenticeship – I	22	42	250	150	400	
					24	46	250	250	500	
1	6	3		Allied Course – MOOC (Multimodal transportation)	2	4	0	100	100	
2	6	3		Apprenticeship – I	22	42	250	150	400	
					24	46	250	250	500	
				Total credit	149	212	2025	1700	3725	

Rathinam College of Arts & Science (Autonomous), Coimbatore-21.

Core – **Theory**

S.N 0.	Sem	Prerequesite	Cour se Code	Course Name	Offering Department	Type Theory / Practical
1	Ι	HSC		Fundamentals of Logistics	Management	Theory
2	п	FOL		Freight Forwarding(Ocean & Air Cargo)	Management	Theory
3	III	HSC		MIS for Logistics	Management	Theory
4	IV	FF		Port Terminal Logistics	Management	Theory

Core - Theory / Practical

S.N 0.	Sem	Prerequesite	Cour se Code	Course Name	Offering Department	Type Theory / Practical
1	Ι	HSC		Materials Management	Management	Theory
2	Π	WDC		Forecasting and Inventory Management	Management	Theory
3	III	HSC		Retail Logistics and E- Commerce	Management	Theory
4	IV	HSC		Logistics 4.0	Management	Theory

				Allied		
S.N o.	Sem	Prerequesite	Cour se Code	Course Name	Offering Department	Type Theory / Practical
1	Ι	HSC		Business Mathematics	Management	Theory
2	II	HSC		Quantitative Techniques	Management	Theory
3	III	FF		Export and Import Documentation	Management	Theory
4	IV	FOL		Inland Waterways & Coastal Shipping	Management	Theory

Skill Enhancement Course

S.N 0.	Sem	Prerequesite	Cour se Code	Course Name	Offering Department	Type Practical / Training
1	I	HSC		Warehousing & Distribution Centre Operations	Management	Theory
2	III	HSC		Linear Logistics	Management	Theory

				Elective		
S.N 0.	Sem	Prerequesite	Cour se Code	Course Name	Offering Department	Type Practical / Training
1	II	HSC		Surface Transportation	Management	Theory
2	IV	HSC		Legal Aspects of Business in Logistics	Management	Theory

Additional Credits

Regulations 2024

S.No ·	Se m	Par t	Sub Type	Course Code	Course Name	Credit	Hours	IN T	EX T	Tota 1
1	2	6	VAC		VAC – Microsoft CoE Course / NPTEL	2	2	50	0	50
3	4	6	IDC		VAC – Microsoft CoE Course / NPTEL	2	2	50	0	50
4	5	6	VAC		VAC – Microsoft CoE Course / NPTEL	2	2	50	0	50

Parts	Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Total Credits
Part I	3	3	3	3			12
Part II	3	3	3	3			12
Part III	12	16	14	16	24	24	106
Part IV	6	2	6	2			16
Part V		1	1	1			3
Total	24	25	27	25	24	24	149

CORE COURSES

Semester 1

	Course C	ode	Couse Title	Credit	Lecture	Tutorial	Practical	Туре				
24	BBL1CA		FUNDAMENTAL OF LOGISTICS	<i>s</i> 4	4	4	-	Theory				
	• To orient s	competer students in	ncies and knowledge the field of Logistics stand Fundamentals	5	become log	gistics profes	ssionals					
	Course Outcomes	On comp	letion of this course,	students will								
	CO 1:	Compreh										
	CO 2:	Analyze and apply customer service concepts in logistics.										
	CO 3:	Evaluate	Evaluate global logistics strategies and integration needs.									
	CO 4:	Underst	and the significance	of warehousi	ng, transport	ation, and e-	commerce lo	gistics.				
	CO 5:	Explore	advanced logistics ar	eas like EXI	A, supply ch	ains, and co	ld chain logis	tics.				
Ur	uit I:			Introduction	to Logistics			[12 Periods]				
: History of Logistics Need for logistics- Cost and Productivity, cost saving & Productivity improvement Logistics Cost, reduction in logistics cost, benefits of efficient Logistics, Principles of Logistics, Teo & Logistics -Informatics, Logistics optimization. Listing of Sub-sectors of Logistics												
Ur	nit II:			Logistics and	Customer S	Service		[12 Periods]				
Cu	istomer Se	rvice-Cust	ervice - Definition of omer Retention - Benefits of Logisti	- Procurer	nent and	Outsourci	ng - Def	inition of				
Ur	nit III:			Global Logis	tics			[12 Periods]				

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Logistics -	0					0	0			0		0			Globa
Logistics -			0						-			0			
for Integra				-					-			C		U	
Unit IV:						V	Wareh	ouse						[12 Pe	riods]
b) Transp efficie	portati ent tra er/Exp er - Ex rce - l	ion- M nsporta press - kpress Meanin	Ieanin ation s Courio Sector ng, Br	g; Ty ystem er/Exp for in ief on	pes of s. ress-M ternati Fulfill	Tran Ieanin Ional a ment (sporta g, Cat and do	tions, egoriz mestic	effici ation of shipp	of Ship ing.	nsporta ments, (tion sy Courier	stem a Guidel	lines, P	ricing i
Unit V:						I	EXIM							[12 Pe	? riods]
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C.

	Semester 1											
	Course Co	ode	Couse Title	Credit	Lecture	Tutorial	Practical	Туре				
24	BBL1CB		MATERIALS MANAGEMENT	4	4	4	-	Theory				
	• To orient st	idents to tudents o	VES: understand basic Princ n contemporary develo encies and knowledge	opment in t	he field of m	aterial mana	gement					
	Course Outcomes	On com	pletion of this course,	students w	ill							
	CO 1:	To apply the knowledge about material management in the real-life business situation										
	CO 2:		derstand the contempo nagement	orary practio	ces followed	in the field o	f Materials					
	CO 3:	То	enhance their manager	rial ability	and profession	onal skills						
	CO 4:	Utilize	inventory models and	forecasting	g methods for	r material pla	nning.					
	CO 5:		e quality control and co systems.	ost reductio	on through ef	fective mater	ials handling a	and				
Ur	Unit I:											
fur		ply Chair	Management - Evolut Management -Object	· 1	-							
Unit II:								[12 Periods]				

Regulations 2024

, annicea in BBA (Eogistics)		
01	g and procurement activities under Materials management- Purchasin Assurance- Purchase Cycle – governmental purchasing practices a ng – Vendor relations	•
Unit III:		[12 Periods]
	ventory -Types of Inventory - Basic EOQ Model - EOQ with discour casting –methods of forecasting-Material Requirement Planning (MI II.	
Unit IV:		[12 Periods]
charts)- Inventory contro	erial: Incoming material quality control- statistical quality control of & Cost Reduction techniques. Value Analysis & Value Engineerin and importance. Codification - concept, benefits.	
Unit V:		[12 Periods]
. Stores - Functions- Sto Materials Handling syste	ores layout -documentation- Materials handling and storage system em – Safety issues	s, - Principles of
Text Books:		
1. Course Material Pr	repared by LSC	
2. Materials manager	nent: procedures, text and cases - A.K. Datta	
2 Motorials manager	nent: An integrated approach - P. Gopalakrishnan	

Reference Books:

1. Introduction to Materials management - J.R. Tony Arnold & Stephen N. Chapman

2. Purchasing and Materials Management - K S Menon

3. Handbook of Materials Management – Gopalakrishnan

Web Resources:

https://www.icsi.edu/media/website/Business%20Economics%20(FndProg).pdf

Manning of Course	Outcome with Ducement	no Outcome and Ducan	man Crasifia Orteana
Interpring of Course	Outcome with Program	ne Outcome and Progra	amme Specific Outcome:

	Course Outco Programme Outcomes											Pr Speci	Programme Specific Outcome			
	me	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
ſ	CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1
	CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
ſ	CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
ſ	CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
	CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3

Somostor 2

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре				
24BBL2CA	FREIGHT FORWARDING (OCEAN AND AIR CARGO)	4	4	4	-	Theory	y			
COURSE	OBJECTIVES:									
• To dev forwarding p	elop competencies an professionals	nd knowledge	of students to b	become freight						
	elop competencies of reight forwarding	n documentati	on procedures	Го help Studen	ts to					
Course Outcomes	On completion of the	is course, stud	ents will							
CO 1:	• Students will be able to apply the Basic knowledge of freight forwarding including ocean and air cargo in the real-life situation									
CO 2:	• Students will be able to demonstrate their skill on documentation in their profession.									
CO 3:	This subject will enable them to enhance their ability and professional skills									

	ege of Arts & Science (Autonomous), Coimbatore-21.	
Admitted in Bl		egulations 2024
CO 4:	□ Students will demonstrate the ability to integrate cost -efficient practice	s in logistics
	operations while maintaining compliance with industry regulations.	
CO 5:	□ Students will be able to adapt professional skills to evolving trends in glo	obal
	logistics, including e-commerce fulfillment and reverse logistics.	
		[12 Periods]
Unit I:		
	to EXIM, Freight forwarding and custom clearance – types of custom clearar	1
	ance – certificate of origin, ICEGATE and insurance – custom Act – Regul	
	ance – different modes of freight forwarding — process of freight forwarding	
Unit II:		[12 Periods]
	ocedures of Freight Forwarding - The procedures for Pre-Operating Checl performed for every shipment / consignment	s and Operational
Unit III:		[12 Periods]
shipping bill,	handling of errors and the Operational errors that occur in common - Procedu Airway bill based on invoice and packing list received from department for F (EXIM/IATA/Countries)/COM based on permutations and combinations of w	reight Forwarding.
Unit IV:		[12 Periods]
transportation PAN based B type of Cargo	ing, INCO terms and terminologies used in Cargoes - Different Type n. Full Export and Import value of the cargo – Importer and exporter Code (IE business Identification number received from the Directorate General of Foreig b, their quantity and value - Packaging requirement for the cargoduringshipment procedure for the cargo while unloading - DO's and DON'T's while handling	EC), The registered n Trade - Different nt from the shipper
Unit V:		[12 Periods]
unloading, St P.G.Aandthe and payment	on of Freight Forwarding process as per customer timelines and required acking, Loading; and Stuffing - Procedure for dealing with loss or damage to irroles. Technicalknowledge on Containers;Pallets;Palletization; Fumigation- Terms. Etc. computer and its application in internal systems of documentatio	goods - Different Letters of Credit
Text Books:		
	Material Prepared by LSC Saxena, Warehouse Management and Inventory Control- Vikas Publication H	ouse Pvt Ltd, First
Editio	on, 2003	
Reference B	ooks:	
Systen Edition	ouse Management: Automation and Organisation of Warehouse and Order Pins [With CDROM], Michael Ten Hompel, Thorsten Schmidt, Springer verlag n, 2006. Tement Guide to Efficient Money Saving Warehousing, Stephen Frey, Gower,	, First

Swapna Pillai, Export Import Procedures & Documentation, Sahitya Bhawan Publication, 2020.

Web Resources:

https://Freight-Forwarder-Business-Startup-Successful/dp/B0817BDVWS

Mapping of Course Outcome with Programme Outcome and Programme Specific Outcome:

Regulations 2024

Course Outco		Programme Outcomes													Programme Specific Outcome		
me	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3		
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1		
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2		
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3		
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2		
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3		

Semester 2

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
24BBL2CB	FORECASTING AND INVENTORY MANAGEMENT	4	4	4	-	Theory

- To develop competencies and knowledge of students to become Forecasting and inventory management professionals
- To orient students in the field of Forecasting and inventory management
- To help Students to understand forecasting and inventory management

Course Outcome	\mathbf{s} On completion of this cour	rse, students will	
CO 1:	□ Understand the basics or real-life situations.	of forecasting and inventory management and how they a	pply to
CO 2:	□ Learn to use forecasting	g techniques to predict demand and manage stock effecti	vely.
CO 3:	\Box Develop skills to imple	ment inventory control methods	
CO 4:	\Box Improve the ability to the bility to th	rack and manage inventory using software tools.	
CO 5:	Understand how invent strategies to reduce costs a	ory decisions impact business performance and learn nd improve efficiency.	
Unit I:			[12 Periods]
Ų	U I	f forecasts –Demand Forecasting- Types of Demand casting-Sources of demand-Supply chain dynamics	Forecasting-
Unit II:			[12 Periods]
planning, t techniques-	orecasting and replenishme	d objectives of S&OP -Collaborative Planning-Types -C ent- Cyclic decomposition techniques. Short- term I Methodologies: Role of Technology Information Fore	forecasting
Unit III:			[12 Periods]
Inventory S		es of Goods -General Management of Inventory- Management- Evaluation of Performance of agement	
Unit IV:			[12 Periods]
Advantages		dology–Requirement of codes – Coding Structure at – Right Quantity – Economic Ordering Quantity -Cost	-
Unit V:			[12 Periods]
improve inv	1 1	ory levels – inventories and customer service level – ste im inventory –Inventory management uncertainty (fixed tocks	-
Text Books	•		
	urse Material Prepared by LS Chopra and Peter Meindl, Su	C apply Chain Management Pearson Education Asia, 3rd e	dition, 2007

3. Chaman L Jain, —Fundamentals of Demand Planning & Forecasting^{II}, Graceway Publishing Company 3rd edition.

Reference Books:

- 1. Operations Research Concepts, Problems & Solutions- Kapoor V.K.-Sultan Chand & Sons/2017- 978-81-8054-854-3 (TC-532)
- Vijay Kumar Khurana, 2007, Management of Technology and Innovation, Ane books India, Chennai Further Reading Source 5. Simchi-Levi, David, —Designing and Managing Supply Chainl, Tata McGraw Hill, 3rd Edition, 2007. 6. David E Mulcahy, —Warehouse Distribution and Operations Handbook, McGraw Hill,6thEdition, 1993.

Web Resources:

https://sproutsocial.com/insights/marketing-resources/

Mapping	Iapping of Course Outcome with Programme Outcome and Programme Specific Outcome:														
Course Outco		Programme Outcomes												ogram fic Out	
me	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3

Semester 3

Semest					T		
Course	Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
24BBL3CA		MIS FOR					Theory
		LOGISTICS					Theory
	E OBJECT						
		encies and knowle	-	ents to becom	ne MIS for log	gistics profess	ionals
		n the field of Logi					
 To help 	Students to	understand MIS f	or Logistics				
Course Outcomes	On compl	tion of this course	, students w	ill			
CO 1:	□ Unders	and the basics of I	Managemen	t Information	Systems (MI	S) and their	
		s in logistics operation	-		•		
CO 2:	🛛 Learn h	ow to use MIS too	ols to manag	e and streaml	line logistics a	activities, sucl	n as
	transportat	ion, warehousing,	and supply	chain manage	ement.		
CO 3:	□ Develo making.	o the ability to ana	lyze logistic	es data and ge	enerate reports	s to support de	ecision-
CO 4:	□ Enhanc	e skills in integrati	ng technolo	gy for improv	ving efficienc	y and accurac	ey in
	logistics p	ocesses.					
CO 5:	□ Unders	and the role of MI	S in optimiz	zing logistics	operations an	d reducing co	osts in
	real-world	scenarios.					
Unit I:							[12 Periods
management Virtualization Unit II:		chitecture – IT A Il Machines	Architecture	& infrastru	icture, cloud	computing	and services
	chnology-	Data warehouse-	Data Mar	t Technolog	ies- Data an	d Text mini	-
Intelligence sustainability	& Analytie Business I	cs, Digital and T networks & com Business Control a	physical deponents, com	ocument man mmunication	nagement. N	etworks, col	laboration &
Unit III:		Dusiness Control a		8			[12 Periods
Disseminatio	on of techno	ology information	- and strate	egic planning	g – Technolo	ogy choice a	-
methods - An	nalysis of al	ternative technolog	gies – Imple	menting tech	nology progra	ummes - Intell	ectual Capita
Unit IV:							[12 Periods
applications: Collaborative	Enterprise Planning (CRM). Per	pliance systems: M systems, Enterpris , Forecasting, a rformance Manage n System.	e Resource nd Repleni	Planning (EF ishment sys	RP), Supply C tem (CPFR)	Chain Manage , Customer	ement (SCM) Relationshij
		···					
Unit V:							[12 Periods
& Applicatio	ns for mana	oject Management gement (Business Finance, Materials	software too	ols), Support	system. ERP	· ·	

- 1. Course Material Prepared by LSC
- 2. KENNETH C. L., JANE P. L., & RAJANISH DASS (2001) Management Information System -Managing the Digital Firm. Pearson Education: New Delhi.
- 3. RAVI, K., & ANDREW, B. W. Frontiers of Electronic Commerce. Pearson Education: New Delhi.

Reference Books:

- 1. KENNETH, C. L., & JANEP, L. (2001) Essentials of MIS. Prentice Hall India: New Delhi.
- 2. SADAGOPAN, S. (2003) Management Information System. Prentice Hall India: New Delhi.
- 3. EFF, O.Z. (2003) Management Information Systems. Vikas Publishing House Pvt. Ltd.: New Delhi.

Web Resources:

https://onlinecourses.nptel.ac.in/noc23_mg65/preview

Mapping of Course Outcome with Programme Outcome and Programme Specific Outcome:

Course Outco					Pro	gram	me Oı	itcom	es					ogram ific Ou	
me	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3

Semester 3

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
24BBL3CB	RETAIL LOGISTICS AND ECOMMERCE	4	4	4	-	Theory
To devel professionTo orien	OBJECTIVES: op competencies a onals t students in the fie Students to unders	eld of Logistic	s		logistics and	E-commerce
Course Outcomes	On completion of	this course, st	udents will			
CO 1:	□ Students will 1	earn to improv	ve logistics oper	rations in retail	and e-comm	erce.
CO 2:	□ Students will u	inderstand how	v to design effe	ctive supply ch	ain strategies	S.
CO 3:	□Students will fulfillment.	gain skills in	using technolo	ogy for invento	ory managen	nent and order
CO 4:	□ Students will b	be able to redu	ce costs and im	prove performa	nce in logist	ics.
CO 5:	□ Students will 1 customer expecta	0	e challenges in	logistics and e-	commerce, i	ncluding
Unit I:						[12 Periods]
-	Scope: Concepts on ng, Dimension of ges	-		-	-	-
Unit II:						[12 Periods]
Labelling from level manager documentatio	Retail Marketing m Multi-storage p ment and other re n and customer fac	bints and Deliverent activities	very- Logistics es till transporta	as an interface ation, preparati	of Market f	orecasting, Stock tch and outbound
Unit III:						[12 Periods]
optimization,	stics: Basic of reve collecting pickup in reverse logistic	and feedback -			-	carriers, route map ponsibilities -
Unit IV:						[12 Periods]
logistic setup	Introduction to E – Order Processing plans and schedu	g – Activities i	n order process			

Regulations 2024

Types of Ecommerce- B2B-B2C and intra business. Retail Ecommerce – Retailing through internet, Direct Online Sales model and its types- Business Models for ecommerce. Electronic Payment system, Electronic CRM Applications. E-Security

Text Books:

Unit V:

- 1. John Fernie & Leigh Sparks, ILogistics and Retail Management: Emerging Issues and New Challenges in the Retail Supply Chain —,Kogan Page 3rd Edition,2009
- 2. James B. Ayers & Mary Ann Odegaard , —Retail Supply Chain Management —taylor & francis, 2nd edition
- 3. Mr. Gibson G, —Retail Management: Functional Principles & Practices^{II}, Jaico Publishing house, 6th Edition, 2003.

Reference Books:

- 1. Ray, Supply Chain Management For Retailing, TMH, 2010.
- 2. James B. Ayers, Retail Supply Chain Management, Auerbach Publications, 2007.

Web Resources:

https://www.imf.org/external/pubs/ft/fandd/2011/03/basics.htm

I	Mapping	of Co	urse C	Outcor	ne wit	th Pro	gram	me Oı	ıtcom	e and	Progra	mme S	pecific	Outco	me:	
	Course Outco		Programme Outcomes													me tcome
	me	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO1	PO1	PO1	PSO	PSO	PSO
		1	2	3	4	5	6	7	8	9	0	1	2	1	2	3
	CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1
	CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
	CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
	CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
Ľ	CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3

Semester 4

Course		Couse Title	Credit	Lecture	Tutorial	Practical	Туре				
24BBL4CA		PORT TERMINAL LOGISTICS	4	4	4	-	Theory				
• To de To orient	students in th	VES: tencies and knowl te field of Logistic to understand Port	es es		terminals log	istics professio	onals •				
Course Outcomes	On complet	ion of this course,	students w	ill							
CO 1:	□ Students	□ Students will understand the basics of port terminal logistics and its importance.									
CO 2:	□ Students	will learn about the	he different	operations a	nd processes a	at port termina	ls.				
CO 3:	□ Students efficiently.	will develop the	e ability to	manage log	gistics operati	ons at port te	erminals				
CO 4:	□ Students terminal log	will gain knowled gistics.	lge about tl	ne role of tech	hnology in im	proving port					
CO 5:	□ Students managemen	will understand	the challe	enges and so	olutions in p	ort terminal l	ogistics				
Unit I:							[12 Periods]				
	Ports of the	and Minor Ports World - Largest P					-				
Unit II:							[12 Periods]				
	nal Operators	vatisation of Terr of the world - Pri operator				0	1				
Unit III:							[12 Periods]				

Regulations 2024

	,	
	s and Places in a Terminal - Facilities in a Terminal reminal - Reasons for Congestion of a terminal - de-co	
Unit IV:		[12 Periods]
	n of the cargo - Transit sheds - Cargo receivers - Wharf th Restrictions - Port equipment's and damage - Extra	
Unit V:		[12 Periods]
0	s and its usage - Night navigations - Light Dues - Tarif rustees - Safety Procedures - Introduction of ISPS - Da nfiscation of cargo to adjust dues	
Text Books:		
1 Course Material Prepared by ISC		

- 1. Course Material Prepared by LSC
- 2. Major Port Trust Act Government of India
- 3. Port Industry Statistics, American Association of Port Authorities

Reference Books:

- 1. AP MOLLOR Guide book on Terminal
- 2. DUBAI PORT AUTHORITIES Manual

Web Resources:

https://logistics.gov.in/media/3whb3pbh/2015-book-supplychainmanagementandadvanc.pdf

Mapping of Course Outcome with Programme Outcome and Programme Specific Outcome:

Course Outco					Pro	gramı	ne Ou	tcom	es					Programme Specific Outcome			
me	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3		
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1		
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2		
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3		
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2		
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3		

Semester 4

Course	e Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
24BBL4CB		LOGISTICS 4.0	4	4	4	-	Theory
 To deve Industry To orier 	nt students in t	ES: cies and knowledg the field of Logistic arn the recent techn	cs			-	
Course Outcomes	On completi	on of this course, s	students wil	11			
CO 1:	☐ Students logistics.	will understand th	he key con	cepts of Log	gistics 4.0 an	d its role in	modern
CO 2:	□ Students automation.	will learn about th	e technolo	gies driving	Logistics 4.0,	such as IoT,	AI, and
CO 3:	□ Students operations.	will develop the a	bility to ap	ply advanced	l technologies	s to improve lo	ogistics
CO 4:	□ Students	will gain skills to o	ptimize sup	oply chains us	sing digital to	ols and real-tin	ne data.
CO 5:		will understand the r satisfaction.	e impact of	Logistics 4.0) on efficienc	y, cost reduction	on,
Unit I:	-						[12 Periods]

······································		
1.1 First Three Industrial Revolutions: Indu	ustry 1.0–3.0	
1.2 Introduction to Industry 4.0		
1.3 Digitalization and the Connected Econo	omy	
1.4 Drivers, Enablers, Compelling Forces a	-	
1.5 The Journey so far: Developments in U	•	
1.6 Comparison of Industry 4.0 Factory and	-	
1	with the Maturity framework and Predictive An	alytics for Smart
Business Transformation		
Unit II:		[12
Cint II.		Periods]
2.1 Evolution of Logistics		Terrousj
2.1 Evolution of Logistics		
2.2 Introduction to Logistics 4.0	n Managamant	
2.3 Digital Transformation of Supply Chain		
2.4 Advanced robots, Augmented Reality, 1	•	
2.5 Simulation — Network simulation and	optimization	
2.6 The Industrial Internet of Things		
2.7 Cloud Computing		
2.8 Cyber Security		
2.9 Big data and analytics – Data Warehous	se v/s Data Mart	
Unit III:		[12
		Periods]
3.1 Digitalization of Logistics and Challens	pes in Logistics 4.0	
	-1-MRP-2-ERP-1 3.3 The Internet of Things	
3.3 Challenges of The Internet of Things		
3.4 Changes in Business Models and Produ	action Processes	
3.5 Telematics Technology – Application in		
	C	
Unit IV:		[12
		Periods]
4.1 Technology in Procurement 4.0 (Consig	gnor Inventory Model)	
	4.0 (Impact of Digital Technologies on the Invento	ory Management
4.3 Technology in Logistics and Warehous	ing 4.0	
4.4 Logistics and Supply Chain Analytics	ing 4.0	
4.4 Logistics and Suppry Chain Analytics		
Unit V:		[12
Omt V.		Periods]
5.1 Business issues in Logistics 4.0		
5.2 Opportunities and Challenges		
5.3 Future of Works and Skills for Workers	s in the Logistics 4.0 Era	
5.4 Advantages and disadvantages of Logis		
5.5 Strategies for competing in a Logistics	4.0 world	
Text Books:		
Logistics 4.0: The Transformation of Log The Digital Transformation of Logistics:	gistics'' by Markus D. J. Weidlich The Impact of Industry 4.0'' by Jürgen K. R. I	Heim
)		

Reference Books:

Supply Chain 4.0: How to Revolutionize Your Supply Chain with Digital Technologies" by **Paul J. Beasley**

Industry 4.0: The Industrial Internet of Things" by Alasdair Gilchrist

Web Resources:

https://www.deufol.com/en/logistics-4-0-how-innovative-technologies-and-digitaltransformationare-revolutionizing-your-supply-chain

Mapping of Course Outcome with Programme Outcome and Programme Specific Outcome:

Course Outco						ogram	me O	utcom	es	- 8 -			Pr Speci	ogram	me tcome
me	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3
8		-			-		-			-	-		-	-	

ALLIED

		ILLILD				
Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
24BBL3AA	EXPORT AND IMPORT DOCUMENTATION	4	4	4	-	Theory
	una.					

COURSE OBJECTIVES:

• To familiarize the student with the basic concept of formalities for export trade, and the documentation process required for import and export.

Course Outcomes	On completion of this course, students will	
CO 1:	□ Students will understand the key export and import documentation required for international trade, including bills of lading, invoices, and customs declarations.]
CO 2:	□ Students will learn how to prepare and manage documentation for customs clearance, ensuring compliance with international trade regulations.	
CO 3:	□ Students will develop the skills to complete essential shipping documents, such as packing lists, certificates of origin, and letters of credit.]
CO 4:	[□] Students will gain the ability to identify and address common challenges in export and import documentation, ensuring smooth and timely shipments.	

Rathinam College of Arts & Science (Autonomous), Coimbatore-21.

	om the academic year 2024-2025 Onwards	Regulations 2024
sacannige	vill understand the role of digital tools and syste export and import documentation processes.	ems in automating and
Unit I:		[12 Periods]
Exports - Methods of Exporting - Ex - Procedure of obtaining IE0 Guarantee Council (ECGC)	Import 12 Hrs Basics of Exports - Classification kport Marketing Organizations - Functions - Reg C Number - RCMC (Registration Cum Member - Application for import and export of restricted	gistration formalities IEC Number ership Certificate) –Export Credit d items.
Unit II:		[12 Periods]
Auxiliary Commercial Docu to Shipment - Documents r	and Contracts 15 Hrs Aligned Documentation S uments - Regulatory Documents - Documents rel related to Payments - Documents related to Ir Contracts - Export Contracts.	ated to goods - Documents related
Unit III:		[12 Periods]
Credit Pre-shipment Finance	Irs Factors - Methods of receiving Payment - Ins e - Post-shipment Finance - Post-shipment Cred vith bank - CENVAT - Duty Draw back	
Unit IV: [12		Periods]
Preshipment Inspection - Ro	ance of Cargo 15Hrs Objective of Quality Co ole of Clearing and Forwarding Agents – Role o ance Procedure - Central Excise Clearance Opti-	of Inspection Agents-Clearance of
Unit V:		[12 Periods]
Clearance of Import Cargo -	nd Insurance Policy 15 Hrs Customs Clearand - Risk: Types - Types of cover issued by ECGC aws governing export contract.	
Text Books:		

Publications: New Delhi.

Reference Books:

- 1. KAPOOR, D. C. (2002) Export Management. Vikas Publications: New Delhi.
- 2. CHERUNILAM, F. (2004) International Trade and Export Management. Himalaya Publications: New Delhi.

Web Resources:

1. www.cbec.gov.in/customs/cs-act/cs-act-idx.htm (Central Board of Excise and Customs - Customs Act, 1962, Customs Tariff Act – 1975, Other Acts)

Mapping of Course Outcome with Programme Outcome and Programme Specific Outcome:

Course Outco					Prog	grami	ne Ou	tcome	es					ogram fic Out	
me	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
24BBL4AA	INLAND WATER WAYS AND COASTAL SHIPPING	4	4	4	-	Theory
	PIVES.					

COURSE OBJECTIVES:

• To familiarize the student with the basic concept of Inland water ways and coastal shipping, their importance and future development of Indian water ways

Course Outcomes	On completion of this course, students will		
CO 1:	□ Students will understand the basic concepts of inland waterways and coastal shipping, along with their importance in transportation and trade.	1	
CO 2:	Students will gain knowledge of the different types of inland waterways and coastal shipping routes in India.	1	
CO 3:	□ Students will learn about the advantages and challenges of using inland wate and coastal shipping for sustainable and cost-effective logistics.	erways	
CO 4:	□ Students will develop the ability to analyze the economic and environmenta impact of inland waterways and coastal shipping on regional development		
CO 5:	Students will be able to identify future opportunities and challenges for the development of Indian inland waterways and coastal shipping.		
Unit I:		[12 Periods]	
	pping- Introduction for shipping - Types of ship- sizes of ship – Basic terminology its importance- Roll of ports in sea transport - Coastal shipping and its importance		Sea
Unit II:		[12 Periods]	
	ways: Introduction –Scope –Sources (lakes, Rivers, Canals, Back water, creeks, ys)-Working principles -Impact - Inland waterways in India: locations	water cou	irses
Unit III:		[12 Periods]	
-	ortance of inland waterways: Infrastructure facility required - Roll and importance o portation- Transportation through creeks	f inland w	vater
Unit IV:		[12 Periods]	
Inland water restriction.	ways: Road connectivity – Availability of cargo (scarcity)-Navigation (night navi	gation)- D	Draft
Unit V:		[12 Periods]	
Network in In inland watery	vays in other countries: Bangladesh – China - Vietnam - Europe Inland waterways in ndia –upcoming inland waterways – Inland waterways authority – Government politivays – National waterways Act		
Text Books:			
2. Inland	Material Prepared by LSC Waterway Transport: Challenges and prospects (Routledge Studies in Transport Ar ver – Import, 12 Jul 2016 by Bart Wiegmans (Editor), Rob Konings (Editor)	nalysis)	
Reference B	ooks:		
3. Inland	waterways Transportation (IWT) in India – Machiraju presentation Pvt ltd.		
Web Resour	ces:		

2. www.cbec.gov.in/customs/cs-act/cs-act-idx.htm (Central Board of Excise and Customs - Customs Act, 1962, Customs Tariff Act – 1975, Other Acts)

Mapping of Course Outcome with Programme Outcome and Programme Specific Outcome:

Course Outco					Prog	gramr	ne Ou	tcome	es					ogram fic Out	
me	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	3	3	3	2	2	1	1	1	2	1	1	1	3	1	2
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3

SKILL ENHANCEMENT COURSE

Course Code Couse Title	Credit	Lecture	Tutorial	Practical	Туре
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Regulations 2024

ramitted in DBR (Ebgisties	j) from the academic year ze	24 2023 01	iwaras		negulatie	115 202 1
24BBL1ZA	WAREHOUSIN G & DISTRIBUTION CENTRE OPERATION	4	4	4	0	Т
0	levelop competencies and understand Warehousing a	0			Warehouse p	rofessionals
Course OutcomesOn compl	etion of this course, studer	nts will				
	the Basic knowledge of Wa	arehousing	and distribu	ution centre of	operations	
CO 2: To enhand	e their ability and profession	ional skills				
CO 3: To Under	stand the contemporary Pra	actices in th	ne Industry			
	students about contempora		5	in Warehous	ing & Logis	tics
	ate an understanding of the of inventory storage, hand				cluding the	
Unit I:						[12 Periods]
	se (Storage and Packaging					
	se layouts and layout rela	ited to fun	ctions. Equi	ipment requi	rement in v	varehouse -
Strategic Aspects of Wa	rehouse					
Unit II:						[12 Periods]
of goods- Visual inspect Procedure for Arranging	dvanced shipment notice (ction of goods unloaded- g of goods on dock -Put awa cations - storage location c	Formats for ay of Good	or recording s- its activit	g of goods ι y -Putawayli	unloaded fro	om carriers-
Unit III:						[12 Periods]
importance of packing- Docking Method-and its	warehouse dispatches-I Packing Materials-reading application- Automation: d Sorters - Automatic True	Labels-qu Pick / Put	ality param to Light - A	eters in pac	king signific	cance-Cross
Unit IV:						[12 Periods]
distribution	n – Need for physical distr					
functions	affecting distribution. Cha				-	eis – channel
Unit V:						[12
Cmt 1.						Periods]
•	and Procedures: Hazardo t- Familiarization with the	0				
	tective Equipment's (PPE)	and their	ses			

Text Books:

- 1. Course Material Prepared by LSC
- 2. Definitive Guide to Warehousing, The: Managing the Storage and Handling of Materials and Products in the Supply Chain (Council of Supply Chain Management Professionals) 1st Edition

Reference Books:

 Warehouse Management: A Complete Guide to Improving Efficiency and Minimizing Costs in the Modern Warehouse- III Edition-Gwynne Richards

Web Resources:

Course Outco		Programme Outcomes												Programme Specific Outcome		
me	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSC 3	
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1	
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2	
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3	
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2	
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3	

Course	Course CodeCouse TitleCreditLectureTutorialPracticalType										
24BBL3ZA		LINER LOGISTICS	4	4	4	-	Theory				
Course Obje field of Logis		evelop competenc	cies and know	ledge of stud	lents to Liner l	logistics profes	ssionals, in the				
Course Outcomes	On comple	tion of this cours	e, students w	rill							
CO 1:	Explain the systems	e fundamentals of	logistics and	l supply chair	n management	t with a focus of	on linear				
CO 2:	This subject Logistics	ct will enable the	m to enhance	their ability	and profession	nal skills in					
CO 3:	Evaluate an of goods.	nd design linear l	logistics netw	vorks for effi	cient transpor	tation and dist	ribution				
CO 4:	Students w situation	ill be able to app	ly the Basic l	knowledge of	Liner Logisti	ics in the real-	life				
CO 5:	Work effec	ctively in multidis	sciplinary tea	ms to solve r	eal-world log	istics challeng	es				
Unit I:							[12 Periods]				
organization - trade – ship ty	– Vessel loa ypes – Tonn cargo ship c	s; tramp trades; co ding and discharg ages; basic ship l conventional (Bro oment.	ging, liner trae layout, types	de routes, The of container	e major ports, ships, Ro-Ro	liner service o barge carrying	ptions - Liner g vessels, The				
Unit II:							[12 Periods]				
cargo port ha agent. Liner	ndling equi Shipping op nent, insura	ent – Dangerous pment, port term perations - Manag nce, trade of con by duties.	ninals; port a gement and p	nd terminal i policy, ship n	management; nanagement a	the role of sh nd operations,	ips officers - independent				
Unit III: [12	2						Periods]				
types of conta	ainer other o cking the co	ion and inter-mo- container express ontainer fleet, con	ions containe	er inventory,	owning, leasi	ng meeting the	e demand for				
Unit IV:							[12 Periods]				
of goods by s of Lading cla	sea Act 1992 uses The pri	her Documentation 2, The use of Bill anted clauses – Th ons relating to Bi	of Lading in the evidence o	liner trades, f the contract	Bill of Ladin , other forms	g documentar	y credits, Bill				
Unit V: [12							Periods]				

Regulations 2024

The Exchange of goods transfer - Transfer of funds from country to country, methods of payments in International trade who are the merchants, International contracts of sale INCO terms; Legal aspects of the liner trades - The carrier insurance the carrier's liability for the cargo the liabilities of the agent, legal aspects of the Bill of Lading, cargo claims general average (GA), security, ISPS code.

Text Books:

- 1. Course Material Prepared by LSC
- 2. Ship Operation Management, Fujita, N.H. Publisher, 1974. Ship Operation Management, Bertrams Publication, 2010

Reference Books:

- 1. Handbook of Ship Calculations, Construction and Operation, Charles H. Hughes, Wexford College Press, 2008.
- 2. Ocean Shipping Elements of Practical Steamship Operation, Robert Edwards Annin, Thompson Press, 2010.

Web Resources:

http://linear-logistics.com

Mapping of Course Outcome with Programme Outcome and Programme Specific Outcome:

Course Outco		Programme Outcomes													Programme Specific Outcome			
me	PO PO<									PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3			
CO1	3	3	3	2	2	1	1	1	2	1	1	1	3	1	2			
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2			
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3			
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2			
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3			

ELECTIVE

Course Co	A SURFACE TRANSPORTATIO 4 4 4 0 T bjective: To help Students to understand basics of surface transportation including road and nd To develop competencies and knowledge of students to become transportation professionals T e On completion of this course, students will Demonstrate a thorough understanding of the basic concepts, modes, and types of surface transportation, including road, rail, and pipeline systems. Students will be able to apply the knowledge of surface transportation in the real-life situation Enhancement of professional skills with regard to the field Analyze the environmental and regulatory challenges faced by surface transportation systems, including sustainability practices and compliance with laws and standards. Evaluate the role and importance of surface transportation in logistics and supply chain management, and its impact on cost, time, and service quality I1 I1 I2 I2 Periods] I1 Intersport -verification of carriers and their Load capacities - types of transportation arious land transport carriers and their Load capacities - types of temperaturecontrolled carried it transport -verification of carriers and drivers -transit rules I1 I2 Periods] Importance of unmber -Transportation Telematics -Vehicle tracking system - GPS systems e for downloading and reading tracking data from devices -Probable reasons for delay or any is	e										
24BBL2EA		TRANSPORTATIO	4	4	4	0	Т					
0		1			1	0						
Course Outcomes	Demonstrate a thorough understanding of the basic concepts, modes, and types of surface											
CO 1:		-	-		epts, modes, a	and types of	surface					
CO 2:			knowledge	of surface tr	ansportation	in the real-li	fe					
CO 3:	Enha	nhancement of professional skills with regard to the field										
CO 4:		•	•	0	•	-						
CO 5:		1		-	U	es and suppl	y chain					
Unit I:							-	s]				
metrics -vario	ous la	and transport carriers and the	eir Load ca	pacities - typ								
Unit II:							-	s]				
TRANSPORTATIO N4440TCourse Objective:To help Students to understand basics of surface transportation including road and rai ransport and To develop competencies and knowledge of students to become transportation professionalsCourse OutcomesOn completion of this course, students willImage: Course transportation including road, rail, and pipeline systems.Image: Course transportation, including road, rail, and pipeline systems.CO 2:Students will be able to apply the knowledge of surface transportation in the real-life situationImage: Course transportation in the real-lifeCO 3:Enhancement of professional skills with regard to the fieldImage: Course transportation in logistics and supply chain management, and its impact on cost, time, and service qualityImage: Course transportation in logistics and supply chain management, and its impact on cost, time, and service qualityUnit I:Image: Image:												
 Unit III: [12							Period	s]				

Organisati goods rule for optima -Reporting -steps to cl	es -Im al load g discr	portan s epanc	ice of ies suc	safety	data s	heet a	ind lat	oels -P	rocedu	ure for	Consol	idation	of con	signmei	nts
Unit IV:														[12 Perio	ods]
Benefits of sector-gov steps - List	t regu	lations	s on tr	anspor	tation					-		-	-	transpo	ortation
Unit V:														[12 Perio	ods]
	Customer Management-Vendor coordination for return truck loads-DG Handling – features and facilities offered by railways – innovative schemes-facilities to popularize rail logistics in India														
Text Book	Text Books:														
 Course Material Prepared by LSC J P Saxena, Warehouse Management and Inventory Control-Vikas Publication House Pvt Ltd, First Edition, 2003. 															
Reference Books:															
2. Mar 3. Kap	 A Practical Guide to Logistics: An Introduction to Transport, Warehousing, Trade and Distribution - Jerry Rudd-Kogan Page publications Management Guide to Efficient Money Saving Warehousing, Stephen Frey, Gower, 1982. Kapoor Satish K., and KansalPurva, <u>Basics of Distribution Management: A Logistical Approach</u>, Prentice HALL of India 														
Web Reso	urces	:													
1. 2.			w.fhwa w.trb.c	a.dot.g or <u>g/</u>	ov/										
Mapping	of Cou	arse C	Jutcon	ne wit	h Pro	gramı	me Ou	itcom	e and I	Progra	mme S	pecific	Outco	me:	
Course Outco					Pro	ogram	me O	utcom	ies					ogram fic Out	
me	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO1	PO1	PO1	PSO	PSO	PSO
	1	2	3	4	5	6	7	8	9	0	1	2	1	2	3
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3
:															

Course	e Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре						
24BBI	L4EB	LEGAL ASPECT OF BUSINESS IN LOGISTICS	4	4	5	0	Т						
Course Objection field of Logis		velop competencies	and knowle	edge of stude	nts to Liner lo	ogistics profes	sionals, in the						
Course Outcomes	On completi	ion of this course, st	tudents wil	1									
CO 1:	Students will law	ll be able to explain	the fundar	nental princi	ples and struc	tures of busin	ess						
CO 2:	Students will demonstrate an understanding of contract law, including the elements of a legally enforceable contract.												
CO 3:	Analyze legal issues that commonly arise in business settings, such as contract formation, employment law, and regulatory compliance												
CO 4:		ical reasoning skills business situations.		them to mak	e sound legal	and ethical							
CO 5:	Students will	ll enhance their abil	ity to think	critically an	d solve legal	problems.							
Unit I:		THI	E INDIAN	CONTRAC	CT ACT 1872	2:	[12 Periods]						
contracts, bro Creation and	each of contr types of agen	entials elements and act and its remedie ts, Authority and liancy.	es, Quasi c	contracts - C	ontract Of A	gency: Natur	e of agency,						
Unit II:	agents, termination of agency. Unit II: THE SALE OF GOODS ACT, 1930 & [12 NEGOTIABLE INSTRUMENTS ACT 1881 Periods]												

Regulations 2024

THE SALE OF GOODS ACT, 1930 : Contract of sale, meaning and difference between sale and agreement to sell, Conditions and warranties, Transfer of ownership in goods including sale by a non-owner, Unpaid seller – meaning, rights of an unpaid seller against the goods and the buyer.

NEGOTIABLE INSTRUMENTS ACT 1881: Nature and requisites of negotiable instruments. Types of negotiable instruments, liability of parties, holder in due course, special rules for Cheque and drafts, discharge of negotiable instruments. The Partnership Act, 1932 a. Definition – Partner, Partnership b. Nature and Characteristics of Partnership

Unit III:	COMPANY LAW AND COMPETITION ACT	[12 Periods]
COMPANY ACT 1956&2013: Major	principles – Nature and types of companies, Formation,	
Memorandum and Articles of Association	on, Prospectus, Power, duties and liabilities of Directors	, winding up
of companies, Corporate Governance. C	ompetition Act 2002: Introduction, Definitions, Enquiry	^{<i>y</i>} into Certain
Agreements and Dominant Position of E	Enterprise and Combinations.	

Unit IV:	INDUSTRIAL LAW & CORPORATE TAX	[12 Periods]								
INDUSTRIAL LAW: An Overview of Factories Act - Payment of Wages Act - Payment of Bonus Act -										
Industrial Disputes Act. CORPORATE TAX: Corporate Tax Planning, Corporate Taxes and Overview of										
Latest Developments in Indirect tax Lav	ws relating to GST: An introduction including constitut	ional aspects,								

Levy and collection of CGST & IGST

Unit	V:
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CONSUMER PROTECTION

INTRODUCTION OF CYBER LAWS

ACT

Periods]

AND [12

CONSUMER PROTECTION ACT : Consumer Protection Act – Consumer rights, Procedures for Consumer grievances redressal, Types of consumer Redressal Machineries and Forums- **INTRODUCTION OF CYBER LAWS :** Cybercrimes, IT Act 2000 and 2002, Cyber Laws, Introduction of IPR Intellectual Property Laws- Introduction, Legal Aspects of Patents, Filing of Patent Applications, Rights from Patents, Infringement of Patents, Copyright and its Ownership, Infringement of Copyright, Civil Remedies for Infringement – Copy rights, Trade marks, Patent Act. Introduction, Right to Information Act, 2005.

Text Books:

1.Shukla M.B. - Business Ethics: Texts and Cases

2.J.P.Sharma – Corporate Governance, Business Ethics & CSR, Ane Books Pvt. Ltd, New Delhi 3.N.D.Kapoor- Elements of Mercantile Law

Reference Books:

1.M.C.Shukla-A Manual of Mercantile Law

2. Pandia R.H.-Mercantile Law

3. K.P.Kandasami- Banking Law & Practice

Web Resources:

https://onlinecourses.swayam2.ac.in/cec20_hs23/preview

Mapping of Course Outcome with Programme Outcome and Programme Specific Outcome:

Mapping of Course Outcomes with Program Outcomes:

Course

Programme Outcomes

Regulations 2024

Out m		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CC	D1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1
CC	02	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
CC	03	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
CC) 4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
CC)5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3