

(Abstract)

Eligibility Criteria and First and Second Semester Scheme & Syllabi of the B.B.A. Logistics Programme and B.B.A. Hospital Administration Programme - (FYUGP) in Affiliated Colleges under Kannur University-with effect from 2024 admission -same as that of the B.B.A. Programme- Approved-Orders issued

ACADEMIC C SECTION

ACAD C/ACAD C4/21583/2024

Dated: 19.02.2025

Read:-1. U.O No. FYUGPSC/FYSC-1/5074/2024 dtd 18.04.2024
2. U.O No. FYUGPSC/FYSC-1/5074/2024 dtd 06.08.2024
3. Acad C/ SO- Acad C/21160/2024 dtd.15.11.2024
4. The remarks submitted by the Chairperson, BoS Management studies (UG) vide email dtd 02.11.2024
5. Minutes of the meeting of Standing Committee of Academic Council held on 13.11.2024
6. The orders of the Vice Chancellor,dtd. 17.12.2024
7. The Minutes of the Meeting of the Academic Council (XXIX Meeting),held on 21.12.2024

ORDER

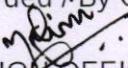
1. The Regulations of the Kannur University Four Year Under Graduate Programmes (KU-FYUGP Regulations 2024) for Affiliated Colleges was implemented with effect from 2024 admission vide the paper read (1) above and thereafter, certain modifications were effected in the same, vide the paper read as (2) above.
2. Subsequently, the Scheme & Syllabus of the B.B.A. Programme (first & second Semesters) under FYUGP pattern was implemented w.e.f. 2024 admission, vide paper read (3) above.
3. Meanwhile, the Chairperson, Board of Studies in Management Studies (UG), vide paper read (4) above, intimated that the programmes viz, B.B.A. Logistics and B.B.A. Hospital Administration are following the Syllabus of B.B.A. for the first and second semesters and that the Eligibility criteria for the two programmes are same as that of the B.B.A. Programme.
4. Thereafter, the Meeting of the Standing Committee of Academic Council held on 13.11.2024 vide paper read (5), considered the Recommendations of the Chairperson, Board of studies in Management Studies with respect to the Eligibility criteria and Syllabus of the B.B.A. Logistics and B.B.A. Hospital Administration programmes and *recommended to approve the same*.
5. The Vice Chancellor, after considering the recommendations of the Standing Committee, ordered to place the matter before the Academic Council, as per paper read (6) above.
6. Subsequently, the XXIXth Meeting of the Academic Council, held on 21-12-2024,vide paper read (7) above, approved the Recommendations of the Chairperson, Board of Studies in Management Studies (UG) with respect to the Eligibility criteria and the Syllabus of B.B.A Logistics and B.B.A Hospital Administration programmes.
7. The Minutes of the Academic Council was approved by the Vice Chancellor.
8. Therefore, the following orders are issued in this matter.
(i)The Syllabus applicable for the 'B.B.A. Logistics' and 'B.B.A. Hospital Administration' programmes (FYUGP) for the first and second Semesters will be the same Syllabus, as that of the first & second Semesters of the B.B.A. programme.
(ii)The Eligibility criteria for Admission to the aforesaid two programmes is the same as that of the B.B.A.programme.

Orders are issued accordingly.

Sd/-
ANIL CHANDRAN R
DEPUTY REGISTRAR (ACADEMIC)
For REGISTRAR

To: 1. The Controller of Examinations (through the PA)
2. The Principals of Affiliated Colleges offering the Programme
3. Chairperson, Board of Studies in Management Studies (UG)

Copy To: 2 PS to VC / PA to PVC / PA to R/PA to FO/PA to CE (to circulate among the section concerned)
3. DR / AR (Acad) / AR II Exam/SWC/Acad A & Acad D Sections
4. Computer Programmer/EXC I/AR VIII (Exam)
5. JR II Exams
6. SF / DF /FC
7. Web Manager (for uploading in the website)

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SECTION OFFICER



(Abstract)

FYUGP- B.B.A Logistics Programme - Scheme and Syllabus of Third to Sixth semesters - Implemented with effect from 2024 Admission - Orders issued

ACADEMIC C SECTION

ACAD C/ACAD C4/21583/2024

Dated: 03.07.2025

Read:-1.U.O No.ACAD C/SO-ACAD C/21160/2024 dated.19.10.2024.
2.U.O No.ACAD C/SO-ACAD C/21160/2024 dated.05.02.2025
3.U.O of even No. dated.19.02.2025
4.Minutes of the meeting of the Board of Studies in Management studies (UG) held on 22.05.2025.
5. E-mail dtd. 29.05.2025 from the Chairperson, Board of Studies in Management Studies (UG).
6. Minutes of the Online meeting of all Dean of Faculties held on 04.06.2025.
7.Orders of the Vice Chancellor in file No. ACAD C/ACAD C3/2948/2025 dtd. 04.06.2025.

ORDER

- 1.The Scheme and Syllabus (First & Second Semesters only) of the B.B.A Programme under FYUGP pattern were approved vide paper read as(1) above and a modification to the Second semester syllabus was approved as per paper read (2).
- 2.Meanwhile, it was ordered that the Syllabus applicable to the B.B.A Logistics FYUG programme for the First and Second semesters will be the same as that of the B.B.A. Programme, as per paper read (3).
- 3.Later, the Board of Studies in Management Studies (UG) in its meeting held on 22.05.2025 decided to submit the syllabus for the Third to Sixth semesters of the B.B.A. Logistics FYUG Programme.
- 4.Subsequently, the Chairperson, Board of Studies in Management Studies(UG), vide paper read (5), forwarded syllabus for the Third to Sixth semesters of the B.B.A. (Logistics) FYUG Programme, for approval.
- 5.The Dean, Faculty of Commerce & Management Studies, at the meeting of all Deans of Faculties held on 4.6.2025 , recommended to approve the Third to Sixth semester Syllabus of the B.B.A Logistics FYUG Programme as per paper read (6).
- 6.The Vice Chancellor after considering the recommendation of the Dean, Faculty of Commerce & Management studies and in exercising the powers of the Academic Council conferred under the Section 11 (1) chapter III of Kannur University Act 1996, and all other enabling provisions read together with, **approved the Third to Sixth Semesters Syllabus of the B.B.A Logistics (FYUG) programme, and accorded sanction to implement the same w.e.f 2024 admission in the Affiliated Colleges under the University, subject to reporting to the Academic Council.**
- 7.The syllabus for the third to sixth semesters of the B.B.A. Logistics (FYUG) Programme is appended with this U.O. and uploaded on the University website.(www.kannuruniversity.ac.in)

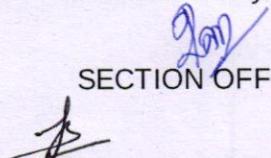
Orders are issued accordingly.

Sd/-
Bindu K P G
DEPUTY REGISTRAR (ACADEMIC)
For REGISTRAR

To: 1. The Controller of Examinations(through the PA)
2. The Principals of Arts and Science Colleges affiliated to Kannur University
3. The Chairperson, Board of Studies in Management Studies (UG)

Copy To: 1. PS to VC / PA to PVC / PA to R/PA to FO/PA to CE (to circulate among the section concerned)
2. DR / AR (Acad) / AR II Exam/JR II Exam
3. Computer Programmer/EXC I/AR VII (Exam)
4. Web Manager (for uploading in the website)
5. SF/DF/FC

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SECTION OFFICER





KANNUR UNIVERSITY
കണ്ണൂർ സർവകലാശാല

(Abstract)

FYUG - B.B.A Logistics Programme - Modified Scheme and Syllabus for the Fourth Semester-Approved & Implemented w.e.f 2024 Admission - Orders issued

ACADEMIC C SECTION

ACAD C/ACAD C4/21583/2024

Dated: 30.12.2025

Read:-1. U.O Nos.ACAD C/SO-ACAD C/21160/2024 dated.19.10.2024. 05.02.2025
2. U.O. No.ACAD C/ACAD C4/21583/2024 Dated: 03.07.2025
3. Minutes of the meeting of Board of Studies in Management studies (UG) held on 05.11.2025.
4. E-mail dtd. 07.11.2025 from the Chairperson, Board of Studies in Management studies (UG).
5. Minutes of the Meeting of the standing committee of the Academic council held on 05.12.2025
6.Orders of the Vice Chancellor dtd.24.12.2025 in file No.ACAD C/ACAD C4/22323/2024

ORDER

- 1.The Scheme and Syllabus for the First and Second Semesters of the B.B.A. Logistics FYUG Programme were fixed as that of the B.B.A. Programme under the FYUGP pattern, implemented in the affiliated colleges under the University w.e.f 2024 admission, vide papers read as (1) above
- 2.As per paper read as (2), the Scheme and Syllabus for the Third to Sixth Semesters of the B.B.A. Logistics FYUG Programme were approved and implemented.
- 3.Further, the Board of Studies in Management Studies (UG), at its meeting held on 05.11.2025, recommended the incorporation of **one Major Course — Business Law (KU4DSCBBL203) and one SEC Course — Professional Skill Development (KU4SECBBL201) in the Fourth Semester course basket of the FYUGP B.B.A. Logistics** Programme w.e.f 2024 admission. The Chairperson, vide paper read as (4), submitted the modified Scheme and Syllabus for the Fourth Semester for approval.
- 4.The Scheme and Syllabus prepared by the Board of Studies were forwarded to the Dean, Faculty of Commerce & Management Studies, for verification. The Dean, after vetting the syllabus, recommended to approve the same via e-mail dated 12.11.2025.
- 5.The Vice-Chancellor, after examining the matter in detail, ordered to place the modified Scheme and Syllabus, along with the minutes of the Board of Studies meeting and the remarks of the



Dean, before the Standing Committee of the Academic Council for consideration.

6.The Standing Committee of the Academic Council, at its meeting held on 05.12.2025, considered the modified Scheme and Syllabus for the Fourth Semester of the FYUG B.B.A. Logistics Programme and recommended to approve the same.

7.The Vice-Chancellor, after considering the recommendation of the Standing Committee of the Academic Council and in exercise of the powers of the Academic Council conferred under Section 11(1), Chapter III of the Kannur University Act, 1996, and other enabling provisions read together, **approved the modified Scheme and Syllabus for the Fourth Semester of the B.B.A. Logistics (FYUGP) Programme and accorded sanction to implement the same with effect from 2024 admission in the affiliated colleges under the University, subject to reporting to the Academic Council.**

8.The modified Scheme and Syllabus for the Fourth Semester of the FYUG B.B.A. Logistics Programme is appended with this U.O and uploaded in the University website (www.kannuruniversity.ac.in).

Orders are issued accordingly.

Sd/-

Jisha K P

Assistant Registrar II

For REGISTRAR

To: 1.The Controller of Examinations(through the PA)
2.The Principals of Arts and Science Colleges affiliated to Kannur University
3.The Chairperson, Board of Studies in Management studies (UG)

Copy To: 1. PS to VC / PA to PVC / PA to R/PA to FO/PA to CE (to circulate among the section concerned)
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SECTION OFFICER



KANNUR UNIVERSITY



FOUR-YEAR UNDER GRADUATE PROGRAMME (KU-FYUGP)

BBA LOGISTICS

CURRICULUM AND SYLLABI

(2024 ADMISSIONS)

PREFACE

The implementation of the Four-Year Undergraduate Programme (FYUGP) has been driven by the pressing need to address contemporary challenges ensuring responsive changes to the evolving needs of students, industry, and society at large. Recognizing the curriculum as the cornerstone of any education system, it requires regular refinement to align with evolving socio-economic factors. Higher education must provide students with practical and technical skills relevant to their fields of interest, necessitating the development of a job-oriented curriculum. Despite significant increases in access and expansion of higher education over the years, concerns persist regarding the quality and relevance of educational outcomes, particularly in terms of employability skills. As the world becomes increasingly interconnected, our education system must evolve to instill 21st-century skills, enabling students not only to survive but to thrive in this dynamic environment. Moreover, there is a growing need for higher education institutions to embrace social responsibility and contribute to the development of a knowledge society capable of driving sustainable development through innovation. With the central objective of fostering a robust knowledge society to support a knowledge economy, the Government of Kerala has initiated steps to reform higher education. Accordingly, three commissions were established to suggest reforms in higher education policy, legal and regulatory mechanisms, and evaluation and examination systems. It is within this context that a comprehensive reform of the undergraduate curriculum has been proposed, leading to the restructuring of the Four-Year Undergraduate Programme.

The syllabus presented herewith is the output of academic debates among business men, faculty members in Commerce, Management and Business Administration, Research Scholars and Students at formal and informal levels of gatherings. The workshop on syllabus revision, with its democratic approach of considering valuable suggestions from all stakeholders of higher education, and the FYUGP curriculum of Kannur University were crucial to restructuring the existing syllabi. FYUGP in **BBA Logistics** offers **Discipline Specific Courses (DSC-Major and Minor)**, **Discipline Specific Elective Core Courses (DSE)**, **Multi Disciplinary Courses (MDC)**, **Value Addition Courses (VAC)** and **Skill Enhancement Courses (SEC)**. The syllabus of each course at the outset itself clearly states its learning outcomes, which are in agreement with Programme and Outcomes and Programme Specific Outcomes.

Sumesh P.C.

Kannur

Chairperson

June 2024

Board of Studies in Management Studies (UG)

The Board of Studies in Management Studies (UG)

1. Sri.Sumesh P.C. (Chairperson)
Assistant Professor, Department of Management Studies, S.N.College Kannur
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Assistant Professor, Department of Management Studies , M.G College Irity,Kannur
3. Smt.Greeshma A.
Assistant Professor, Department of Commerce , M.G. College, Irity , Kannur
4. Dr.Bindu K.
Associate Professor, Department of Commerce, Government Brennen College , Thassery , Kannur
5. Smt.Indu P.
Assistant Professor, Department of Commerce, Government Brennen College , Thassery , Kannur
6. Dr.Jaseela Thanikkad
Assistant Professor, Department of Commerce , NMSM Government College , Kalpetta, Wayanad
7. Dr.Shacheendran V.
Professor, Department of Commerce, Govinda Pai Memorial Government College , Manjeshwar , Kasargod
8. Sri.Arun K.V.
Assistant Professor, Department of Commerce, S.N. College ,Kannur
9. Dr.Vigi V. Nair
Assistant Professor, Department of management Studies,Payyannur College , Payyannur, Kannur
10. Smt.Sashitha T.
Assistant Professor, department of Management Studies, Taliparamba Arts and Science College, Kanhirangad, Kannur
11. Dr.U.Faisal (Chairperson , P.G.Board)
Professor , Department of Management Studies, Dr. Janaki Ammal Campus, Palayad, Thalassery, Kannur.

Expert Committee Members

1. Dr.Rasna TPP, Assistant Professor,Wadihuda Institute of Research and Advanced Studies , Vilayancode, Kannur
2. Smt.Simi U, Assistant Professor,Wadihuda Institute of Research and Advanced Studies , Vilayancode, Kannur
3. Smt. Dhanya V.M.Assistant Professor,Wadihuda Institute of Research and Advanced Studies , Vilayancode, Kannur

KANNUR UNIVERSITY

PROGRAM OUTCOMES (POs)

Program Outcomes (POs) serve as a foundational framework defining the skills, knowledge, and attributes that students at Kannur University are expected to acquire upon completion of a specific academic program. Tailored to the unique goals of each program, POs articulate the overarching learning objectives that guide curriculum design and assessment. These outcomes encompass a diverse range of competencies, including critical thinking, problem-solving, effective communication, and discipline-specific expertise. POs play a crucial role in shaping educational experiences, ensuring alignment with academic standards and industry expectations. By articulating clear and measurable expectations, POs contribute to the continuous improvement of academic programs and provide a roadmap for students to develop into well-rounded, competent professionals within their chosen fields.

PO1: Critical Thinking and Problem-Solving: Apply critical thinking skills to analyse information and develop effective problem-solving strategies for tackling complex challenges.

PO2: Effective Communication and Social Interaction: Proficiently express ideas and engage in collaborative practices, fostering effective interpersonal connections.

PO3: Holistic Understanding: Demonstrate a multidisciplinary approach by integrating knowledge across various domains for a comprehensive understanding of complex issues.

PO4: Citizenship and Leadership: Exhibit a sense of responsibility, actively contribute to the community, and showcase leadership qualities to shape a just and inclusive society.

PO5: Global Perspective: Develop a broad awareness of global issues and an understanding of diverse perspectives, preparing for active participation in a globalised world.

PO6: Ethics, Integrity and Environmental Sustainability: Uphold high ethical standards in academic and professional endeavours, demonstrating integrity and ethical decision-making. Also acquire an understanding of environmental issues and sustainable practices, promoting responsibility towards ecological well-being.

PO7: Lifelong Learning and Adaptability: Cultivate a commitment to continuous self-directed learning, adapting to evolving challenges, and acquiring knowledge throughout life.

BBA LOGISTICS

PROGRAMME SPECIFIC OUTCOMES (PSOs)

No.	Programme Specific Outcomes (PSOs)
PSO1	Provide students with a sound theoretical base in business management concepts and have an exposure of the emerging technologies to support, sustain and innovate business.
PSO2	Application of theoretical and technical knowledge and skills to provide holistic education by producing intellectually competent individuals.
PSO3	Attain problem-solving, decision making and critical thinking skills to connect with real time corporate situations.
PSO4	Inculcates and develops appropriate skills such as Finance, Marketing, Entrepreneurship, HR, Accounting and Operations among students.
PSO5	Demonstrate how creativity and innovations are initiated, included and managed in an organisation.
PSO6	Understand the impact of management practices in societal and environmental context and display the knowledge and need for sustainable development
PSO7	Impart continuous learning and develop the ability to engage in independent and life long learning in the context of changes in trade and commerce

Course and Credit Structure for Different Pathways

Semester	DSC (Credit 4)	AEC (Credit 3)	SEC (Credit3)	MDC (Credit 3)	VAC (Credit3)	Total Courses	Total Credits	Total Hrs / Week
I	A1,B1,C1	AEC1(E) AEC2(AL)		MDC1		6	21	25
II	A2,D1,E1	AEC3(E) AEC4(AL)		MDC2		6	21	25
III	A3,A4, F1,G1			MDC3 (KS)	VAC1	6	22	25
IV	A5,A6,A7		SEC1		VAC2 VAC3	6	21	25
V	A8,A9,A10 A11*,A12*		SEC2			6	23	25
VI	A13,A14, A15, A16*,A17*		SEC3 PROJECT			6	23	25
	INTERSHIP						2	
Total	Major A:17 Other Discipline:6	4	3+2=5	3	3	36	133	150

**EXIT WITH BBA LOGISTICS DEGREE WITH 133 CREDITS / PROCEED TO
FOURTH YEAR**

**COURSE AND CREDIT DISTRIBUTION FOR FOURTH YEAR: SEMESTER VII and VIII of
UG HONOURS PROGRAMME**

Semester	DSC (Credit 4)	Nature of the Course	Total Courses	Total Credits	Hrs / Week
VII	A18,A19, A20*,A21* , A22* (* Elective)	Two PG Level Core Courses and Three PG Level Elective Courses(Level 400 and above) in the Major Discipline One Open Elective Course in Major Discipline	5	20	20
	Internship (SEC)	Internship in the Major Discipline	1	4	-
VIII	Major A*,A*,A*	Three PG Level Elective Courses (Level 400 and Above) in the Major Discipline Students can choose another institution for doing the project can choose Three Major Elective Courses in this Semester in Online Mode or in the in-person mode from the institution where the project is being done	3	12	12
	Project (SEC)	Project in Major Discipline	1	8	8
Total	Major :8 Internship Project		10	44	40

EXIT WITH BBA LOGISTICS HONOURS DEGREE WITH 177 CREDITS

**COURSE AND CREDIT DISTRIBUTION FOR FOURTH YEAR:SEMESTER VII and VIII of
UG HONOURS WITH RESEARCH PROGRAMME**

Semester	DSC (Credit 4)	Nature of the Course	Total Courses	Total Credits	Hrs / Week
VII	A18,A19, A20*,A21* , A22* (* Elective)	Two PG Level Core Courses and Three PG Level Elective Courses(Level 400 and above) in the Major Discipline	5	20	20
	Internship (SEC)	Internship in the Major Discipline	1	4	-
VIII	Project (SEC)	Project in Major Discipline	1	20	20
Total	Major :5 Internship Project		7	44	40

EXIT WITH BBA LOGISTICS HONOURS WITH RESEARCH DEGREE WITH 177 CREDITS

SEMESTER III

<i>Course Category</i>	<i>Code</i>	<i>Credit</i>	<i>Course</i>	<i>Major/ Minor</i>	<i>Code</i>	<i>Hours</i>
Discipline Specific Core Courses (DSC)	KU3DSCBBL200	4	Logistics Management *	Major	A3	5
	KU3DSCBBL201	4	Human Resource Management *	Major	A4	5
	KU3DSCBBL202	4	Management Information System	Minor	F1	4
	KU3DSCBBL203	4	Legal and Ethical Issues in Business	Minor	F1	4
	KU3DSCBBL204	4	Fundamentals of Stock Trading	Minor	G1	4
	KU3DSCBBL205	4	Quantitative Techniques for Business Management	Minor	G1	4
Value Addition Course (VAC)	KU3VACBBL200	3	Environmental Science and Sustainability	VAC 1		4
Multi-Disciplinary Courses (MDC)		3	Kerala Studies	MDC3		3

SEMESTER IV

<i>Course Category</i>	<i>Code</i>	<i>Credit</i>	<i>Course</i>	<i>Major/ Minor</i>	<i>Code</i>	<i>Hours</i>
Discipline Specific Core Courses (DSC)	KU4DSCBBL200	4	Organisational Behaviour *	Major	A5	5
	KU4DSCBBL201	4	Inventory Management *	Major	A6	5
	KU4DSCBBL202	4	Warehousing *	Major	A7	5
	KU4DSCBBL203	4	Business Law *	Major	A	5
Value Addition Course (VAC)	KU4VACBBL200	3	Disaster Management	VAC 2		3
	KU4VACBBL201	3	Corporate Governance & CSR	VAC 3		3
Skill Enhancement Courses (SEC)	KU4SECBBL200	3	Emerging Technologies and Applications	SEC 1		4
	KU4SECBBL201	3	Professional Skill Development	SEC1		4



SEMESTER -III

KU3DSCBBL200: LOGISTICS MANAGEMENT

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
III	DSC	200-299	KU3DSCBBL200	4	5

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
3	2	0	25 T+10 P	50 T+15 P	100	1.5

Course Description:

Logistics Management is a foundational course which helps to develop managerial skills among students.

Course Prerequisite: Nil

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	1. Understand the fundamentals concept of Logistics management.	U
2	2. Learn the concepts and competence of Logistics	U
3	3. Acquire the knowledge of Organization and & staffing.	U
4	4. Understand the importance of effectiveness of managing Logistics	U
5	5. Analyse the importance, process & types of Logistics	An
6	6. To learn about the managerial idea, in the field of Logistics Management	A

*Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	✓						

CO 2		√					
CO 3			√				
CO 4				√		√	
CO 5					√		√

COURSE CONTENTS

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
		INTRODUCTION TO LOGISTICS	15
	1	Logistics introduction, definition, Meaning, Concept of Logistics, scope, functions, Evolution, Nature and Importance. Definition-nature- scope-Logistics Management. Meaning of Logistics Management	
I	2	Evolution of Logistics Management. Nature of Logistics Management, Functions of Logistics Management. Features and Principles of Logistics Management. Roles of a Logistics Manager. Supply Chain Management and Logistics. Difference between Logistics and Supply Chain Management. Role of Logistics in Supply Chain. Collaborative Logistics Management	

	PLANNING AND STRATEGY	15
II	3 Logistics Planning and Strategy. Logistics Planning: meaning- nature and purpose. Logistics planning- planning process.	
	4 Strategic Logistics Management. Role of Technology in Logistics Planning	

III	COMPONENTS OF LOGISTICS MANAGEMENT	
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	5	Components of Logistics Management. Competitive Advantages of Logistics Management.	
	6	a) Logistics Network. b) Integrated Logistics System. c) Logistics Management types. Customer Service in Logistics	

		INTEGRATED LOGISTICS MANAGEMENT	
IV	7	Integrated Logistics Management. a) Definition: meaning- nature and scope – Importance. Difference between Traditional and Integrated Logistics. Logistics Planning and Control-Demand Forecasting, Resource Planning, Capacity Management, Cost Control in Logistics	
	8	Logistical Competency, Logistical Mission, Logistics Service. Logistical renaissance Technological Advancement, Regulatory Change IT Revolution. TOM Initiatives, Customer Service and Logistics	

	Teacher Specific Module (Practicum)	20
V	<i>For effective learning teachers can use group activities like role- play and demonstrations and employ case studies of experts in the field.</i>	

Essential Readings:

- 1.Raghuram&RangarajN,Logistics and Supply Chain Management,Macmillan Publication,2012
- 2.KShridharaDhat,LogisticsManagement,Himalaya Publishing House,Mumbai,2008
- 3.Bowerson,DoaldJ,DavidJLogistical Management,Macmillan,Newyork1986
- 4.Alan E Branch Global Supply Chain Management and International LogisticsRoutledge,Newyork

Assessment Rubrics:

Evaluation Type	Marks
End Semester Evaluation	50
Test Paper (Practicum)	15 (P)
Continuous Evaluation	25

Presentation /Case Study		10 (P)
a)	Test Paper- 1	7.5
b)	Test Paper-2	7.5
c)	Assignment	5
d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report	5
Total		100

KU3DSCBBL201: HUMAN RESOURCE MANAGEMENT

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
III	DSC	200-299	KU3DSCBBL201	4	5

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
3	2	0	25 T+10 P	50 T+15 P	100	1.5

Course Description:

Human Resource Management course will deal with HR Policy, and HR Function in detail. HR planning, HRD, HR career Management, Performance, compensation and global HRM will be integral part of this course. Industrial relations, compliance and employment relations, HR analytics and Use of AI in HRM to re imagine HR Processes are the content of the course.

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	To impart knowledge in Human resource planning and Development	R,U
2	To understand Human resource functions	U
3	To develop decision making skills	A

4	To apply the Human resources concepts and practice in organization	C
5	To learn the basic idea about Human resources management	E

***Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)**

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	✓			✓			
CO 2		✓			✓		
CO 3			✓				✓
CO 4			✓			✓	
CO 5	✓			✓			

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
		NATURE OF HUMAN RESOURCE MANAGEMENT	10
I	1	Human Resource Management: Introduction- Definition- Scope and Significance : Personnel Management Vs Human Resource Management. Approaches to HRM: System Approach – Strategic Approach	
	2	Functions of HRM: Role of Human Resource Manager, Duties and Powers of HR Manager	

II	HUMAN RESOURCE PLANNING, RECRUITMENT	15
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	3	Human Resource Planning (HRP)- Need and Importance- Process of HRP. Job analysis- Job description- Job Design	
	4	Recruitment – Meaning- Sources . Selection- Meaning and Importance- Steps in Selection - Interview- Types of Interviews, Placement – Induction	

III	TRAINING AND DEVELOPMENT, PERFORMANCE APPRAISAL		15
	5	Training and Development- Meaning- Importance- Methods of Training. Development- Objectives- Types of Development	
	6	Performance appraisal: Meaning, Nature- Objectives- Process- Methods of Performance Appraisal- Traditional and Modern Methods Compensation to Employees- Monetary and Non-Monetary.	

IV	RECENT TRENDS IN HUMAN RESOURCE MANAGEMENT		15
	7	Recent Trends in Human Resource Management Worker's Participation in Management- Collective Bargaining	
	8	Absenteeism and Turnover-Meaning- Causes. QWL- Definition- Concepts- Constitution of QWL- Quality Circle- H.R Outsourcing.	

V	Teacher Specific Module (Practicum)	20
	Training and development activities, interviews, induction programmes etc.	

Essential Readings:

1. Gupta,C.B. Human Resource Management- - Sultan Chand & sons
2. Subba Rao, P Personnel and Human Resource Management Himalaya Publishing House
3. Prasad, L.M. Human Resource Management— Sultan chand & sons
4. Aswathappa, K. Human Resource Management— McGraw Hill Education
5. VenkataRatnam & Srivastava. Personal Management and Human Resources

Assessment Rubrics:

Evaluation Type	Marks
End Semester Evaluation	50
Test Paper (Practicum)	15 (P)
Continuous Evaluation	25
Presentation /Case Study	10 (P)
a) Test Paper- 1	7.5
b) Test Paper-2	7.5
c) Assignment	5
d) Seminar/Book/ Article Review/ Viva-Voce/Field Report	5
Total	100

KU3DSCBBL202: MANAGEMENT INFORMATION SYSTEM

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
III	DSC	200-299	KU3DSCBBL202	4	4

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
4	0	0	30	70	100	2

Course Objective

The course aims to provide students with comprehensive knowledge and practical skills in managing information systems (MIS), database management, information system applications, and project management using modern tools and methodologies. Students will learn to analyze, design, and implement effective MIS solutions in various business contexts.

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	Understand the basic concepts, types, dimensions, and components of MIS, and evaluate the benefits and evolution of IT infrastructure in the digital firm era.	

2	Apply database management principles by setting up and managing DBMS packages, creating Entity-Relationship diagrams, and understanding data models, data warehouses, and administration techniques.	
3	Analyze various MIS applications, including DSS, GDSS, and knowledge management systems, and develop e-commerce solutions by leveraging enterprise models, business process reengineering, and digital communication strategies.	
4	Evaluate project management objectives and methodologies, including agile practices such as SCRUM, and manage projects effectively to control risk factors and understand ethical, social, and political issues in the information era.	

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
		Fundamental Concepts of MIS	10
I	1	Basics concepts of MIS/ Types of MIS, Dimension and components of IS, Benefits of MIS,	
	2	IT infrastructure, and IT infrastructure evolution, Components of IT infrastructure, New approaches for system building in the digital firm era	
II		Data base management system	10

	3	Objectives of data base approach- Characters of database Management systems- Data processing system-	
	4	Components of DBMS packages - Data base administration- Entity – Relationship (conceptual)	

		Information system applications	10
III	5	MIS applications, DSS – GDSS - DSS applications in E enterprise -	
	6	Knowledge Management System and Knowledge Based Expert System - Enterprise Model System and E-Business, E- Commerce, E- communication, Business Process Reengineering.	

		Managing Projects	15
IV	7	Objectives of project management, Fundamentals of project management information systems with agile methodologies -	
	8	Introduction of SCRUM, Roles and meetings, User stories, Project risk, Controlling risk factors, Ethical, social, and political issues in the information era.	

	Teacher Specific Module	
V	PRACTICAL WORK	

Practical Work List (Suggestive)

- Analyze a real-world Management Information System (MIS) implementation case, identifying the types of MIS used, benefits realized, and challenges faced. Present findings using written and visual formats.

- Set up and manage a Database Management System (DBMS), perform basic operations, and create an Entity-Relationship diagram for a business scenario to demonstrate database conceptual design.
- Design and build an e-commerce website, incorporating features of digital markets, digital goods, and e-commerce business models.
- Manage a mock project using agile methodologies, including roles, meetings, userstories, and risk management.

Text Book -(Latest Edition):

1. Laudon, K. C., & Laudon, J. P.. Management information systems: managing thedigital firm. Fifteenth Edition. Pearson.
2. Coronel, C., & Morris, S.. Database systems: design, implementation, &management. Cengage Learning.
3. Olson, D. . Information systems project management (First;1; ed.). US: BusinessExpert Press.
4. Schiel, J. The ScrumMaster Study Guide. Auerbach Publications.
5. The Scrum Master Guidebook: A Reference for Obtaining Mastery" , CHANDANLAL PATARY
6. Scrum: The Art of Doing Twice the Work in Half the Time", Jeff Sutherland, J.J.Sutherland
7. Stair, R., & Reynolds, G. Fundamentals of information systems. Cengage Learning.

Assessment Rubrics:

Evaluation Type	Marks
End Semester Evaluation	70
Continuous Evaluation	30
a) Test Paper- 1	10
b) Test Paper-2	10
c) Assignment	5

d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report	5
	Total	100

KU3DSCBBL203: LEGAL AND ETHICAL ISSUES IN BUSINESS

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
III	DSC	200-299	KU3DSCBBL203	4	4

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
4	0	0	30	70	100	2

Course Description :

This course provides a comprehensive exploration of the key legal concepts, regulations, and ethical dilemmas that businesses face across various sectors. Through lectures, case studies, and interactive discussions, students will develop the ability to critically analyze legal scenarios and ethical issues, and make informed decisions that align with both legal requirements and ethical business practices.

Course Objectives :

CO No.	Course Objectives	Learning Domains
1	The course aims to provide students with the understanding of key legal and ethical issues in the business context of India	
2	The course will help students analyze ethical dilemmas in business decisions	
3	The course will help the students understand the legal and regulatory aspects of business ethics that concern the financial, competitive and charitable responsibilities of organisations.	

4	The course will help the students gain knowledge about the ways in which organizational and individual factors impact business ethics	
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Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
		Introduction to Business Law	15
I	1	Business law – definition, scope, importance of understanding the role of law in business; Elements of a contract – offer and acceptance, consideration, contractual capacity;	
	2	Essentials of a valid contract; Types of contracts; Performance obligations; Types of contract breaches and remedies; Product liability and consumer protection laws; Business torts; Employment law	

II	3	Sales and Leases	15
	4	Formation of Sales Contract: Contracts for Leasing Goods, Title and Risk of loss, Performance and remedies, Warranties and Product liability;	

III	5	Introduction to Business Ethics	15
		The definition and importance of business ethics, business ethics in the Indian context; Institutionalization of Business Ethics in the organization, benefits of Ethical Conduct in Business,	

	6	Ethical Issues and Stakeholder Concerns; Social Responsibility and Regulatory Framework: Corporate social responsibility; Environment & business;	
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		Ethical Issues in Business	10
IV	7	Issues related to Business Ethics in marketing, finance & human resource functions.	
	8	Ethical responsibilities of multinational corporations; Ethical dilemmas facing businesses globally including issues related to discrimination, human rights, environmental impact, and intellectual property.	

	Teacher Specific Module	5
V		

Text Books (Latest Edition):

1. Tulsian, P. C. Business and Corporate Laws. S. Chand Publishing.
2. Fernando, A.C. Business Ethics and Corporate Governance. Pearson
3. Bayern, S. Business Law Beyond Business. J. Corp. L., 46, 521.
4. Ratan Tata: Ethical Leadership| By: Ashok K. Dua, Sumita Rai| Ivey Publishing|

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		70
Continuous Evaluation		30
a)	Test Paper- 1	10
b)	Test Paper-2	10
c)	Assignment	5
d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report	5
Total		100

KU3DSCBBL204: FUNDAMENTALS OF STOCK TRADING

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
III	DSC	200-299	KU3DSCBBL204	4	4

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
4	0	0	30	70	100	2

Course Description:

The course aim on providing knowledge on the basics of the stock market and to develop the student's abilities on Stock market investment by giving exposure towards various operations of the Stock market.

Course Prerequisite: NIL

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	Understand the fundamentals of investments.	U
2	Ability to compare and evaluate different investment opportunities.	E
3	Helps to learn the mechanism of stock trading.	U
4	Helps to understand the concepts behind investing in mutual funds.	U

*Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	✓			✓			
CO 2		✓			✓		
CO 3			✓				✓
CO 4			✓			✓	
CO 5	✓			✓			

COURSE CONTENTS

Contents for Classroom Transaction:

MODULE	UNIT	DESCRIPTION	HOURS
I	Basics of Investment		10
	1	Investment: Meaning - features – objectives, Principles of sound investment	
II	2	Approaches to investment : active and passive Criteria for evaluating investment alternatives Investment decision process, Investment avenues, Risk return trade-off	

II	Indian Securities Market	10
	3	Securities market : meaning – features, Stock exchanges in India Role of stock exchanges, SEBI : Meaning functions and objectives

	4	Capital market and Money markets, Modes of issuing equity shares Types of equity shares and debentures, Market participants	
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		Online Security Trading	10
III	5	Stock indices & quotations of BSE & NSE, Trading mechanism on exchanges, Trading & settlement at BSE & NSE	
	6	Types of orders, Online trading mechanism, Online , real time price quotations ,Circuit breakers	

		Investment in Mutual Funds	10
IV	7	Mutual fund : Meaning – Objectives , Advantages and limitations of investment in mutual funds	
	8	Types of mutual fund schemes, Factors affecting the choice of mutual fund schemes	

	Teacher Specific Module	5
V	<i>To familiarize the students with essential concepts and knowledge that are required for practical applications in the stock market.</i>	

Essential Readings:

1. S Kevin; Security Analysis and Portfolio Management, PHI Learning
2. E Gordon, K Natarajan; Financial Markets and Services, HP House.
3. Dr. Punithavathy Pandian; Financial Services and Markets, Vikas Publishing House Pvt. Ltd.

Suggested Readings:

1. Prasanna Chandra; Investment Analysis and Portfolio Management, Mc Graw Hill.
2. Dr. V A Avadhani; Investment and Securities Markets in India, HP House.
3. V K Bhalla; Investment Management, S Chand.

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		70
Continuous Evaluation		30
a)	Test Paper- 1	10
b)	Test Paper-2	10
c)	Assignment	5
d)	Seminar/ Book/ Article Review/ Viva-Voce/ Field Report	5
Total		100

KU3DSCBBL205: QUANTITATIVE TECHNIQUES FOR BUSINESS MANAGEMENT

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
III	DSC	200-299	KU3DSCBBL205	4	4

Learning Approach (Hours/Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical / Internship	Tutorial	CE	ESE	Total	
4	0	0	30	70	100	2

Course Description:

To equip students with the skills to apply quantitative techniques in managerial decision-making, while fostering analytical thinking and logical reasoning for more effective and informed decisions.

Course Pre-requisite: Nil

Course Outcomes:

CO No.	Expected Outcomes	Learning Domains
1	Develop critical thinking skills for selecting appropriate quantitative techniques and statistical methods, recognizing their limitations, and using them effectively for managerial decision-making.	U
2	Understand the assumptions, characteristics, and differences of Binomial and Poisson distributions, and apply them to model discrete business events for effective decision-making.	A
3	Understand the features and properties of the Normal distribution, recognize its importance in business and research, and apply it for forecasting, quality control, and performance analysis, while also being able to interpret standard normal curves for probability-based decisions.	A
4	Acquire the ability to conduct statistical inference, including hypothesis testing, identifying null and alternate hypotheses, determining	U

	significance levels, and interpreting test results correctly.	
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- Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C).

Mapping of Course Outcomes to PSOs.

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	√			√			
CO 2		√			√		
CO 3			√				√
CO 4			√			√	

COURSE CONTENTS

Contents for Classroom Transaction:

MODULE	UNIT	DESCRIPTION	HOURS
I	Introduction to Quantitative Techniques		
	1	Meaning, Definition, Features, Scope and Importance of QT.	
	2	Classification and Application of Quantitative Techniques in business, Limitations	

II	Theoretical Distribution- Discrete Distribution			15
	3	Binomial distribution - Basic assumptions and characteristics –Advantages and Disadvantages - Problems in Binomial Distribution, Fitting of binomial distribution.		
	4	Poisson distribution - Characteristics - Advantages and Disadvantages- Problems in Poisson Distribution-Fitting of Poisson distribution		

III	Theoretical Distribution- Continuous Distribution		15
	5	Normal distribution – Features – Importance - Advantages and Disadvantages - Difference between Binomial, Poisson and Normal Distributions.	
	6	Standard normal curve- Problems in Normal Distribution- Fitting of Normal Distribution	

IV	Statistical Inference		15
	7	Testing of hypothesis – Procedure –Null & Alternate hypothesis - Level of significance – Critical region- Degrees of freedom- Errors in testing	
	8	Two-tailed & One-tailed tests – Parametric Tests – Non-Parametric Tests - Difference between Parametric and Non-Parametric Tests (only theory)	

V	Teacher Specific Module (Practicum)	20
	Directions: The module is designed to provide students with a comprehensive understanding of both the theoretical foundations and practical applications of quantitative techniques, empowering them to perform statistical analysis and make informed decisions in real-world business scenarios.	

Essential Readings:

1. Vohra, N. D. Quantitative Techniques in Management. McGraw-Hill Education, 2014.
2. Sharma, J.K. Business Statistics. Pearson Education, 2019.
3. Gupta, S.P., & M.P. Gupta. Quantitative Methods for Management. Sultan Chand & Sons, 2018.
4. Anderson, David R., Dennis J. Sweeney, and Thomas A. Williams. Statistics for Business and Economics. 12th ed., Cengage Learning, 2016.
5. Levine, David M., Kathryn A. Szabat, and David F. Stephan. Statistics for Managers Using Excel. 8th ed., Pearson Education, 2018.

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		70
Continuous Evaluation		30
a)	Test Paper- 1	10
b)	Test Paper-2	10
c)	Assignment	5
d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report	5
Total		100

KU3VACBBL200: ENVIRONMENTAL SCIENCE AND SUSTAINABILITY

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
III	VAC	200-299	KU3VACBBL200	3	4

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
2	2	0	15 T+10 P	35 T+15 P	75	1.5

Course Description:

This course aims to familiarize students with fundamental environmental concepts and their relevance to business operations, preparing them to address forthcoming sustainability challenges. It is designed to equip students with the knowledge and skills needed to make decisions that account for environmental consequences, fostering environmentally sensitive and responsible future managers. Through this holistic approach, students will gain a deep understanding of environmental processes, the importance of sustainable practices, and their role in promoting sustainability within business contexts.

Course Objective(s):

1. This course aims to familiarize students with basic environmental concepts, their relevance to business operations, and forthcoming sustainability challenges.
2. This course will equip students to make decisions that consider environmental consequences.
3. This course will enable future business graduates to become environmentally sensitive and responsible managers.

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	Explore the basic environmental concepts and issues relevant to the	

	business and management field.	
2	Recognize the interdependence between environmental processes and socio- economic dynamics.	
3	Determine the role of business decisions, policies, and actions in minimizing environmental degradation.	
4	Identify possible solutions to curb environmental problems caused by managerial actions.	
5	Develop skills to address immediate environmental concerns through changes in business operations, policies, and decisions.	

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
I		Environment and Sustainability	10
	1	Fundamental environmental concepts and their relevance to business operations; Components and segments of the environment, the man-environment relationship, and historical environmental movements.	
II Ecosystems, Biodiversity, and Sustainable Practices			10

	3	Various natural eco systems, learning about their structure, functions, and ecological characteristics. The importance of biodiversity, the threats it faces, and the methods used for its conservation.	
	4	Ecosystem resilience, homeostasis, and carrying capacity, emphasizing the need for sustainable ecosystem management. Strategies for in situ and ex situ conservation, nature reserves, and the significance of India as a mega diverse nation.	

III	Environmental Pollution, Waste Management, and Sustainable Development		10
	5	Various types of environmental pollution, including air, water, noise, soil, and marine pollution, and their impacts on businesses and communities. Causes of pollution, such as global climate change, ozone layer depletion, the greenhouse effect, and acid rain, with a particular focus on pollution episodes in India.	
	6	Importance of adopting cleaner technologies; Solid waste management; Natural and man-made disasters, their management, and the role of businesses in mitigating disaster impacts.	

IV	Social Issues, Legislation, and Practical Applications		10
	7	Dynamic interactions between society and the environment, with a focus on sustainable development and environmental ethics. Role of businesses in achieving sustainable development goals and promoting responsible consumption.	
	8	Overview of key environmental legislation and the judiciary's role in environmental protection, including the Water (Prevention and Control of Pollution) Act of 1974, the Environment (Protection) Act of 1986, and the Air (Prevention and Control of Pollution) Act of 1981. Environmental justice, environmental refugees, and the resettlement and rehabilitation of affected populations; Ecological economics, human population growth, and demographic changes in India.	

	Teacher Specific Module (Practicum)	20
V	Field studies and survey, Community engagement and project based learning, Sustainable practices and resource management , policy and governance, Laboratory work	

Text Books (Latest Editions):

- Poonia, M.P. *Environmental Studies* , Khanna Book Publishing Co.
- Bharucha, E. *Textbook of Environmental Studies*, Orient Blackswan P.Ltd
- Dave, D., & Katewa, S. S. *Text Book of Environmental Studies*. Cengage LearningIndia Pvt Ltd.
- Rajagopalan, R. *Environmental studies: from crisis to cure* , Oxford University Press.
- Miller, G.T. & Spoolman S. *Living in the Environment*. Cengage.
- Basu, M., & Xavier Savarimuthu, S. J. *Fundamentals of environmental studies*.Cambridge University Press.
- Roy, M. G. *Sustainable Development: Environment, Energy and Water Resources*.Ane Books.

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		35
Test Paper (Practicum)		15 (P)
Continuous Evaluation		15
Presentation/Case Study		10 (P)
a)	Test Paper- 1	5
b)	Test Paper-2	5
d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report/Assignment	5
Total		75

SEMESTER -IV

KU4DSCBBL200: ORGANISATIONAL BEHAVIOUR

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
IV	DSC	200-299	KU4DSCBBL200	4	5

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
3	2	0	25 T+10 P	50 T+15 P	100	1.5

Course Description:

This course will cover principles and concepts to understand how individuals interact with each other and their environment in organizational contexts. Students will explore topics such as motivation, perception, personality, leadership, group decision-making, culture, and conflict resolution through a blend of theoretical frameworks and real-world applications

Course Prerequisite: NIL

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	To have extensive knowledge on OB and the scope of OB.	U
2	To create awareness of Individual Behaviour.	U
3	To understand the concept of Group dynamics.	U,E
4	To understand the concept of organisational change and create awareness about the importance of stress management in professional life.	A

***Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)**

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	✓			✓			
CO 2		✓			✓		
CO 3			✓				✓
CO 4			✓			✓	
CO 5	✓			✓			

COURSE CONTENTS

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
		Introduction to Organizational Behaviour	10
1	1	Meaning, Definition, Importance, Features, Scope of organizational behavior, Various approaches to study of organizational behaviour, Different models of organizational behaviour-autocratic, custodial, supportive, collegial.	
	2	Disciplines contributing to Organizational Behaviour, Determinants of OB, Challenges and opportunities of OB	
II		Individual Behaviour	15

	3	Personality-Meaning, Type A and B, Big five personality types, Factors influencing personality, Perception and Emotions-concept, Perceptual process, Importance, Factors influencing Perception, Emotional Intelligence-Meaning and components	
	4	Motivation-Definition, Importance, Motives-Characteristics, Primary and secondary motives, Theories of motivation-Maslow's need hierarchy theory, McGregor's Theory X and Y, Herzberg's two factor theory, Alderfer's ERG theory, Vroom's Valence Expectancy theory.	

III	Group Dynamics		15
	5	Meaning and definition, Types of groups, Theories of group formation, five stages of group development, Formal and informal groups, Problems of informal group, Group cohesiveness-meaning, features, importance and factors affecting group cohesiveness	
	6	Group decision making-Meaning and nature, steps, techniques of group decision making, advantages and disadvantages of group decision making	

IV	Organizational Change and Stress Management		15
	7	Organizational changes-Meaning, Forces for organizational change, Types of changes, Managing planned change - Planning, Assessing and Implementing the change, Causes of resistance to change, Overcoming resistance to change	
	8	Stress management: Definition, Causes of stress, nature of stress, Sources of stress, Consequences of stress, Managing stress – Strategies for managing stress at workplace-Organizational and individual strategies	

V	Teacher Specific Module (Practicum)		20
		Key elements of OB : People, Structure, Technology and Environment: Stress Management strategies, Decision making techniques, Group formation,	

Essential Readings:

- 1.S.S. Khanka – Organisational Behaviour, S Chand & Co Ltd, New Delhi.
- 2.K.Aswathappa -Organizational Behaviour, Himalaya Publishing House
- 3.L.M.Prasad – Organizational Behaviour – Sulthanchand and sons.
- 4.T.N.Chhabra,Management and Organizational Behaviour, Sun India Publications.

Suggested Readings:

1. Fred Luthans, Organizational Behaviour, Tata Mc Graw Hill
2. Uma Sekaran, Organizational Behaviour Text & cases, 2nd edition, Tata McGraw Hill Publishing CO. Ltd
3. J. Jayasankar, Organizational Behaviour, Margham Publications, Chennai

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		50
Test Paper (Practicum)		15 (P)
Continuous Evaluation		25
Presentation /Case Study		10 (P)
a)	Test Paper- 1	7.5
b)	Test Paper-2	7.5
c)	Assignment	5
d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report	5
Total		100

KU4DSCBBL201: INVENTORY MANAGEMENT

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
IV	DSC	200-299	KU4DSCBBL201	4	5

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
3	2	0	25 T+10 P	50 T+15 P	100	1.5

Course Description:

Logistics Management is a foundational course which helps to develop managerial skills among students.

Course outcomes :

CO No.	Course Outcomes	Learning Domains
1	Understand the fundamentals concept of Inventory management.	U
2	Learn the concepts and competence of management of Inventory	U
3	Acquire the knowledge to assess the cost involved in inventory	U
4	Understand the importance of effectiveness of managing inventory	U
5	Analyse the importance, process & types of Inventory management	An
6	Comprehend the materials and Stores management aspects	A

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
		INTRODUCTION	15
I	1	Introduction to Inventory Management. Definition- nature- scope- Inventory Management. Background, Significance.Inventory Management. Objectives of Inventory Management.	
I	2	Ordering Cost, Inventory Carrying cost. Stock out costs. Set up Time Costs, shortage and holding costs. Functions of Inventory. Role of Technology in Inventory Management. Use of Warehouse Management Systems. Barcode Scanning and RFID Technology. Cloud Based Inventory Management system	
		INVENTORY MANAGEMENT	15
II	3	Functions of Inventory Management. Need and Types of Inventory Management. Tools of Inventory Management-ABC,VED,FSN,EOQ Analysis.	
II	4	Reorder Point, Safety Stock, Lead Time, Analysis of Store Keeping. Store Keeper Duties and Responsibilities, Location of Store, Bin Card, JIT, Order Processing Cycle	
		MATERIALS MANAGEMENT	15
III	5	Classification of Materials. Materials Management- Meaning, Types, Functions. Nature of Materials Management.	
III	6	Codification of Materials. Standardization and Variety Reduction. Use of IT in Inventory Management	
IV		STORAGE AND DISPOSAL	10

7	Storage and Disposal. Aspects of Storage. Land, Air and Water Contamination-Spillages, Leakage. Dumping and Disposal of Hazardous waste.	
8	Explosive Storage Precautions during Loading and Unloading. Storage, Transportation and Usage. Fire and Other hazards and Precautions	

V	Teacher Specific Module (Practicum)	20
	<i>For effective learning teachers can use group activities like role- play and demonstrations and employ case studies of experts in the field.</i>	

Textbooks (latest Edition):

- 1.. Saxena, R. S. (n.d.). Inventory management. Global India Publishing.
- 2.. Muller, M. (2011). Essentials of inventory management (2nd ed.). AMACOM.
3. Piasecki, D. J. (2009). Inventory management explained: A focus on forecasting, lot sizing, safety stock, and ordering systems. OPS Publishing.
4. Waller, M., Esper, T., & Bowersox, D. J. (2014). The definitive guide to inventory management: Principles and strategies for the efficient flow of inventory across the supply chain. Pearson Education.

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		50
Test Paper (Practicum)		15 (P)
Continuous Evaluation		25
Presentation /Case Study		10 (P)
a)	Test Paper- 1	7.5
b)	Test Paper-2	7.5
c)	Assignment	5
d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report	5
Total		100

KU4DSCBBL202: WAREHOUSING

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
IV	DSC	200-299	KU4DSCBBL202	4	5

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
3	2	-	25 T+10 P	50 T+15 P	100	1.5

Course Description:

Logistics Management is a foundational course which helps to develop managerial skills among students.

Course Prerequisite: NIL

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	Understand the fundamentals concept of Warehouse management.	U
2	Learn the concepts and competence of Warehouse Management	U
3	Acquire the knowledge of Warehousing and Distributing Operations	U
4	Understand the importance of effectiveness of managing Warehouse	U
5	Analyse the importance, process & types of Warehouse	An
6	To learn about the managerial concept of Warehouse Safety	A

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*Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	✓			✓			
CO 2		✓			✓		
CO 3			✓				✓
CO 4			✓			✓	
CO 5	✓			✓			

COURSE CONTENTS

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
		Introduction	10
I	1	Introduction to Warehouse Concepts. a)Definition- nature- scope- Warehouse Management. b) Selection of Warehouse. Sequencing of Warehouse Decisions, Objectives of Efficient. Warehouse Operation. Types of Warehouses, Location of Warehouses	
	2	Characteristics of Ideal Warehouse. a) Need of Warehouse Management System . b)Warehouse Operations. Receipt of Goods GRN-Function of Warehouse-Customs bonded warehouse. a) Difference between General and Bonded Warehouse. b)Location Management-Labeling, Packing Process, Binning, Loading and	

		Unloading Procedures. c) Transportation Consolidation	
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	Shipping Management System	15
II	3 Shipping Preparation. Pick and Packing Process, Warehouse order picking layout designs. Stages in Logistics Packing, Vertical Storage,	
	4 Benefits of Warehouse management. Role of Warehouse in Cold Chain Business. Cold Chain Warehousing Management system-Order Processing Cycle	

	Warehouse Management	15
III	5 Warehouse Management. Warehousing Utilization Management- Emerging Trends-Use of Material Handling Equipment. a) Inbound and Outbound Operations of Warehouse.	
	6 b) Warehouse Safety Rules and Procedures-Hazardous Cargo Procedure. c) Instructions to handle hazardous Cargo. Safety Equipment and their Uses-5S Concept on Shop Floor, Personal Protective Equipment and their uses.	

	Warehouse Documentation	15
IV	7 Warehouse Documentation. a) Introduction, invoice, Delivery challan. Stock Transfer Procedure, Reverse Logistics. Scrap Management, Commandments of Warehouse-Procedure & Regulations.	
	8 Customer Insurance-Importance. Types of Insurance, Risk Management. Safety Measure Activities	

	Teacher Specific Module (Practicum)	20
V	<i>For effective learning teachers can use group activities like role- play and demonstrations and employ case studies of experts in the field.</i>	

Essential Readings:

1. Frazelle, E. H. (2002). *World-class warehousing and material handling*. McGraw-Hill.

2.Murthy, P., &Shobha, K. V. *Nextstep Institute of Logistics and Aviation guide*. Nextstep Institute of Logistics and Aviation.

3.Rangarajan, V. R. *Basic warehouse & inventory management*.

4.Richards, G. *Warehouse management*.

5.Saxena, J. P. (2003). *Warehouse management and inventory control* (1st ed.). Vikas Publishing House Pvt. Ltd

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		50
Test Paper (Practicum)		15 (P)
Continuous Evaluation		25
Presentation /Case Study		10 (P)
a)	Test Paper- 1	7.5
b)	Test Paper-2	7.5
c)	Assignment	5
d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report	5
Total		100

KU4VACBBL200: DISASTER MANAGEMENT

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
IV	VAC	200-299	KU4VACBBL200	3	3

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
3	-	-	25	50	75	1.5

Course Description:

In our rapidly evolving 21st-century world, challenges emerge in diverse forms, transcending borders and intertwining economic, societal, and environmental realms. These challenges profoundly affect vulnerable communities, magnifying their susceptibility to climate-related shocks and disasters. As we navigate through these complexities, it becomes increasingly evident that aligning strategies with global Sustainable Development Goals (SDGs) across various geographical scales is paramount. This alignment incorporates perspectives of environmental sustainability, climate adaptation, and disaster resilience. In light of these considerations, this course aims to equip students with the knowledge and skills necessary to address and mitigate the impacts of disasters in a holistic manner.

Course Prerequisite: NIL

Course Objective(s):

- To provide understanding of the concepts related to disaster
- To highlight the importance and role of disaster management
- To enhance awareness of institutional processes and management strategies to mitigate the impacts of disasters

CO No.	Expected Outcome	Learning Domains
1	Articulate the critical role of disaster management in reducing risks and enhancing resilience	R (Remember), U (Understand)
2	Identify and describe key institutional frameworks and processes in Disaster Management.	U (Understand), A (Apply), E (Evaluate)
3	Conduct risk assessments and develop disaster management plans for specific scenarios.	U (Understand), A (Apply), E (Evaluate)

*Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	✓	✓			✓		
CO 2		✓	✓		✓		
CO 3			✓		✓		
CO 4		✓		✓	✓	✓	
CO 5		✓	✓	✓	✓		

COURSE CONTENTS

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
I		Concepts and Terminologies	10

	1	Understanding key concepts of Hazards, disasters; Disaster types and causes (Geophysical, Hydrological, Meteorological, Biological and Atmospheric; Human-made);	5
	2	Global trends in disasters - Impacts (Physical, Social, Economic, Political, Environmental and Psychosocial); Defining Vulnerability (Physical Vulnerability; Economic Vulnerability; Social Vulnerability)	5

		Key Concepts of Disaster Management Cycle	10
II	3	Components of disaster management cycle (Phases: Response and recovery, Risk assessment, Mitigation and prevention, Preparedness planning, Prediction and warning);	5
	4	Disaster Risk reduction (DRR), Community based disaster risk reduction	5

		Initiatives at national and international level	10
III	5	Disaster Risk Management in India and at international level: Related policies, plans, programmes and legislation;	5
	6	International strategy for disaster reduction and other initiatives	5

		Emergency Management	10
IV	7	Explosion and accidents (Industrial, Nuclear, Transport and Mining) - Spill (Oil and Hazardous material)	5
	8	Threats (Bomb and terrorist attacks) - Stampede and conflicts	5

		Teacher Specific Module	5
V		<i>Training and Demonstration Workshops (at least two workshops) be organized in association with the NIDM, NDRF, NCDC, Param Military, Fire Brigade, CISF, Fire and Rescue , Local Administration etc.</i>	

Readings (Latest Editions):

1. Sharma, S.C. , Disaster Management, Khanna Book Publishing.
2. Clements, B. W.,: Disasters and Public Health: Planning and Response,Elsevier Inc.
3. Dunkan, K., and Brebbia, C. A., (Eds.) : Disaster Management and Human Health Risk: Reducing Risk, Improving Outcomes, WIT Press, UK.
4. Singh, R. B. (ed.), Natural Hazards and Disaster Management: Vulnerability and Mitigation, Rawat Publications, New Delhi.
5. Ramkumar, Mu, Geological Hazards: Causes, Consequences and Methods of Containment, New India Publishing Agency, New Delhi.
6. Modh, S. Managing Natural Disaster: Hydrological, Marine and Geological Disasters, Macmillan, Delhi.
7. Carter, N. Disaster Management: A Disaster Management Handbook. Asian Development Bank, Manila.
8. Govt. of India Vulnerability Atlas of India. BMTPC, New Delhi.
9. Govt. of India Disaster Management in India. Ministry of Home Affairs, New Delhi.
10. Matthews , J.A., Natural Hazards and Environmental Change, Bill McGuire, Ian Mason.

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		50
Continuous Evaluation		25
a)	Test Paper- 1	7.5
b)	Test Paper-2	7.5
c)	Assignment	5
d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report	5
Total		75

KU4VACBBL201: CORPORATE GOVERNANCE AND CSR

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
IV	VAC	200-299	KU4VACBBL201	3	3

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
3	-	-	25	50	75	1.5

Course Description: This course explores the crucial aspects of corporate governance and corporate social responsibility (CSR). It examines the frameworks, principles, and practices that ensure ethical and transparent business conduct, while also considering the social and environmental impact of corporations. Through a combination of theory and practical application, students will gain a comprehensive understanding of responsible business practices in today's globalized world.

Course Prerequisite: NIL

Course Outcomes:

CO No.	Expected Outcome	Learning Domains (R=Remember, U=Understand, A=Apply, An=Analyze, E=Evaluate, C=Create)
1	Define and analyze the core principles of corporate governance.	R , U
2	Evaluate the role of different stakeholders in corporate governance structures and critically assess current issues and challenges.	U , A , E

3	Analyze the concept of CSR and its evolving role in the business landscape, identifying and assessing various CSR initiatives and their impact on stakeholders.	U , A , E
4	Develop a critical perspective on the relationship between corporate governance and CSR, effectively communicating this perspective in written or oral formats.	U, An , E , C
5	Understand the regulatory frameworks regarding CSR, both domestically and internationally, applying this knowledge to analyze real-world case studies and develop strategies for compliance.	U , A , An , E

***Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)**

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	✓	✓			✓		
CO 2		✓	✓		✓		
CO 3			✓		✓		
CO 4		✓		✓	✓	✓	
CO 5		✓	✓	✓	✓		

COURSE CONTENTS

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
I		Introduction to Corporate Governance	10

	1	Definition, nature, and significance of corporate governance. Evolution of corporate governance practices	5
	2	Agency theory and stakeholder theory, Models of corporate governance (Anglo-American, Continental, and others)	5

	Mechanisms of Corporate Governance	10
II	3 Board of directors: composition, functions, and responsibilities. Role of independent directors and committees.	5
	4 Executive compensation and its impact on corporate governance Transparency and disclosure practices	5

	Regulatory Framework and Compliance	10
III	5 National and international regulatory frameworks for corporate governance. Role of regulatory bodies (e.g., SEBI)- Corporate governance codes and best practices	5
	6 Compliance Mechanisms and Enforcement Measures	5

	Introduction and Implementation of CSR	10
IV	7 Definition, Evolution, and Drivers of CSR. Business case for CSR and its Impact on Stakeholders. Ethical considerations in Business Decision-Making. Frameworks for Integrating CSR into Business Strategies	5
	8 Implementing and Measuring CSR, Core areas of CSR (Environmental, Social, and Economic) . Challenges and Opportunities in Implementing CSR Programs	5

	Teacher Specific Module	5
V	<i>Directions</i>	

Essential Readings:

1. "Corporate Governance" by Ashish Kalia (5th Edition, 2022, LexisNexis Butterworths)

2. "The CSR Playbook: A Practical Guide to Corporate Social Responsibility" by Amish Tripathi and Roopa Purushottaman (2nd Edition, 2020, Sage Publications India)
3. "The Long Game: How to Build a Sustainable Business in India" by Jahangir Arora (1st Edition, 2018, Penguin Random House India)
4. "India's New Capitalism: The Rise of Corporate Responsibility and Investor Activism" by Vikram Khanna (1st Edition, 2010, Oxford University Press)

Suggested Readings:

1. "Inclusive Growth and Development in India" edited by Amiya Kumar Bagchi (1st Edition, 2013, SAGE Publications India)
2. "Business and Politics in India" by N. R. Nagarajan (9th Edition, 2021, Sage Publications India)
3. "The Indian Economy" by V. Anantha Nageswaran (9th Edition, 2023, Pearson

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		50
Continuous Evaluation		25
a)	Test Paper- 1	7.5
b)	Test Paper-2	7.5
c)	Assignment	5
d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report	5
Total		75

KU4 SECBBL200: EMERGING TECHNOLOGIES AND APPLICATIONS

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
IV	SEC	200-299	KU4SECBBL200	3	4

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
2	2	0	15 T+10 P	35 T+15 P	75	1.5

Course Objective:

- To provide a comprehensive understanding of emerging technologies such as block chain, IoT, cloud computing, robotics, AR/VR, etc.
- To explore the applications, implications, and strategic advantages of emerging technologies in business for competitive advantage.

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	Students will understand foundational knowledge of emerging technologies such as block chain, IoT, cloud computing, AR/VR, etc., comprehending their principles, components, and functionalities.	U
2	Students will analyze the practical applications of these technologies in various business contexts, evaluating how they can optimize operations, enhance decision-making, and drive innovation.	An
3	Students will evaluate the strategic implications of adopting emerging technologies, including potential challenges, risks, and opportunities, to formulate informed strategies for competitive advantage.	E

4	Students will develop skills to plan and manage the integration of emerging technologies into business processes, ensuring alignment with organizational goals and effective change management.		C

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
		Cloud Computing	10
I	1	Cloud service models (IaaS, PaaS, SaaS) – Deployment models (public, private, hybrid)- Cloud-based -enterprise solutions	
	2	Cost-benefit analysis and scalability – Security and Governance – Data security and compliance in the cloud – Cloud governance frameworks	

	Internet of Things (IoT) & Industry 4.0	10
II	3	Sensor technologies and connectivity - IoT Applications in Smart cities and infrastructure – Industrial IoT and manufacturing – IoT data processing and storage – Real-time analytics and decision-making –
	4	Concept of Industry 4.0 – Automation and smart manufacturing – Cyber-physical systems and digital twins – Robotics and advanced manufacturing technologies – Impact on Business Models – Transformation of production and supply chains – Business process optimization

III	Block chain Technology	10
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	5	Fundamentals of Block chain – Decentralization and distributed ledger, Cryptography and consensus mechanisms – Smart contracts – Financial services and digital identity	
	6	Challenges and Opportunities – Security and privacy issues – Regulatory and compliance considerations	

		Augmented Reality (AR) and Virtual Reality (VR)	10
IV	7	Introduction to AR/VR – Key concepts and differences between AR and VR – Historical development and current state - AR/VR applications in marketing and customer experience	
	8	Training and development through immersive technologies – Challenges and Opportunities – Technological limitations and advancements – Integration with existing business processes.	

	Teacher Specific Module (Practicum)	20
V	Hands on sessions on utilizing popular cloud platforms for development and deployment, offering hands-on experience with free tiers and trial accounts. Hands on sessions on block chain technologies, focusing on the basics development and deployment of decentralized applications.	

Essential Readings:

Text Books (Latest Editions):

1. Emerging Technologies by Errol S. van Engelen
2. Internet of Things by Jeeva Jose, Khanna Book Publishing.
3. Digital Transformation: A Strategic Approach to Leveraging Emerging Technologies, Anup Maheshwari
4. Virtual & Augmented Reality by Rajiv Chopra, Khanna Book Publishing.
5. Emerging Technologies for Effective Management by Rahul Dubey, Cengage Publications.
6. IoT Fundamentals: Networking Technologies, Protocols, and Use Cases for the Internet of Things by David Hanes, Jerome Henry, Rob Barton, Gonzalo Salgueiro and Patrick Grossetete.

7. Blockchain for Business by Jai Singh Arun, Jerry Cuomo and Nitin Gaur.
8. Block Chain & Crypto Currencies by Anshul Kausik, Khanna Book Publishing.
9. Industry 4.0 Technologies for Business Excellence: Frameworks, Practices, and Applications by Edited By Shivani Bali, Sugandha Aggarwal, Sunil Sharma.
10. "Blockchain, Artificial Intelligence, and the Internet of Things: Possibilities and Opportunities" by Pethuru Raj, Ashutosh Kumar Dubey, Abhishek Kumar, Pramod Singh Rathore.

Readings:

- Abdi, S., Kitsara, I., Hawley, M. S., & de Witte, L. P. (2021). Emerging technologies and their potential for generating new assistive technologies. *Assistive Technology*, 33(sup1), 17–26.
- Seokbeom Kwon, Xiaoyu Liu, Alan L. Porter, Jan Youtie, Research addressing emerging technological ideas has greater scientific impact, *Research Policy*, Volume 48, Issue 9, 2019,

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		35
Test Paper (Practicum)		15 (P)
Continuous Evaluation		15
Presentation/Case Study		10 (P)
a)	Test Paper- 1	5
b)	Test Paper-2	5
d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report/Assignment	5
Total		75

KU4DSCBBL203: BUSINESS LAW

Semester	Course Type	Course Level	Course Code	Credits	Total Hours/ Week
IV	DSC	200-299	KU4DSCBBL203	4	5

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
3	2	-	25 T+10 P	50 T+15 P	100	1.5

Course Description:

This course provides a comprehensive understanding of the legal environment governing business operations in India. It explores key business laws, including the Indian Contract Act, Companies Act, Sale of Goods Act, Goods and Services Tax (GST), and the Consumer Protection Act. Through lectures, case studies, and interactive discussions, students will develop the ability to analyze legal situations, understand business obligations, and make ethically sound and legally compliant decisions.

Course Prerequisite: NIL

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	To understand the fundamental principles of the Indian Contract and develop the ability to analyze the essentials, performance, and remedies related to contracts in business transactions.	U
2	To familiarize students with the provisions of the Sale of Goods Act and the Goods and Services Tax (GST).	U
3	To provide a comprehensive understanding of the Companies Act, including the formation, types, and key documents of companies, along with insights into the major amendments under the	R,U



	Companies Act, 2013.	
4	To develop the knowledge on consumer rights, cyber laws, negotiable instruments, and intellectual property rights.	Ap

***Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)**

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	✓			✓			
CO 2		✓			✓		
CO 3			✓				✓
CO 4			✓			✓	
CO 5	✓			✓			

COURSE CONTENTS

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
I	Indian Contract Act		10
	1	Indian Contract Act,1872: Definition of contract, Types of contract, Essential features of a valid contract: - offer, acceptance, consideration, capacity of parties to contract, free consent- coercion, undue influence, misrepresentation and fraud, Performance of contract	
	2	Discharge of contract, breach of contract – remedies of breach of contract.	



	The Sale of Goods Act		10
II	3	The Sale of Goods Act: Features of Sale of goods Act, sale and agreement to sell, Types of Goods, Implied conditions and warranties-Sale by non-owners-transfer of property.	
	4	Duties and rights of buyer and seller, Rights of unpaid seller. Remedies for breach of Contract of Sale of goods.	
	Consumer Protection Act		15
III	5	Consumer Protection Act 2019: Objectives of the Act, rights of the consumers, procedure for filing a complaint, Consumer protection council, Central council and state council.	
	6	Dispute Redressal Agencies: District Commission , State Commission, and National Commission. Product liability and Penalties	
	Negotiable Instrument Act and Introduction to Information Technology Act		15
IV	7	Negotiable Instruments act 1881 – Features and Types of Negotiable Instruments, Parties to a negotiable Instrument, Negotiation, Presentation of Negotiation instrument, Dishonour and discharge of a Negotiable Instrument.	
	8	Introduction to information Technology Act 2000- Salient features of the Act, objectives and Scope , Legal provisions of the IT Act.	
V	Teacher Specific Module (Practicum)		25
	<i>Directions</i>		

Essential Readings:

1. Kapoor. N.D, Business Law, Sulthan Chand Publication
2. Tulsian. P.C, Business Laws, Tata McGraw-Hill Publishing Co. Ltd
3. Kuchal. M.C, Business Law
4. **Dr. G.K. Kapoor &Dr. Sanjay Dhamija**, *Company Law*, Taxmann Publications.
5. **R.S.N. Pillai &Bhagavathi**, *Business Law*, S. Chand & Co.



6. **Avtar Singh**, *Negotiable Instruments Act*, Eastern Book Company.
V.K. Ahuja, *Law Relating to Intellectual Property Rights*, LexisNexis

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		50
Test Paper (Practicum)		15 (P)
Presentation /Case Study		10 (P)
Continuous Evaluation		25
a)	Test Paper- 1	7.5
b)	Test Paper-2	7.5
c)	Assignment	5
d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report	5
Total		100



KU4 SECBBL201: PROFESSIONAL SKILL DEVELOPMENT

Semester	Course Type	Course Level	Course Code	Credits	Total Hours / Week
IV	SEC	200-299	KU4SECBBL201	3	4

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
2	2	0	15 T+10 P	35 T+15 P	75	1.5

Course Objective:

To equip students with essential professional competencies including effective communication, leadership, teamwork, critical thinking, ethical conduct, time management, and digital fluency—enabling them to navigate and excel in today's dynamic business environments.

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	Understand the key professional skills required for effective workplace performance	U
2	Analyze situations to apply suitable professional and ethical practices	An
3	Assess personal strengths and areas for improvement in professional behavior	E



4	Develop a professional portfolio showcasing communication and leadership skills	C
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Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
Communication Skills			10
I	1	Public Speaking- Objectives, Importance, Elements, Principles, Types and methods, Listening Skills- Process, Essentials to become a good Listener, Types- Benefits, Poor Listening Habits.	
	2	Behavioural Techniques- Gestures and body language, Business Attire- Types, Etiquettes- Types, Professional Presentation Skills- Objectives, Types, Steps.	

II	Interpersonal Skills	12
	3	Group Dynamics- Group, features, types, group dynamics- features, importance, elements, Conflict- types, sources, effects, conflict management strategies, Negotiation Skills- process, factors influencing negotiation process, avoiding common mistakes in negotiation.
	4	Leadership skills and Emotional Intelligence – Characteristics of a leader, leadership skills, qualities of a good leader, Emotional intelligence- importance, elements, leadership and emotional intelligence.

III	Employability and Corporate Skills	12
	5	Time Management- importance, implications of poor time management, measures to improve time management, effective time management skills, Stress Management- meaning, factors affecting stress, consequence of stress, techniques of managing stress, Team work- attributes for effective teamwork, stages of team development,



		challenges to team work, how to overcome challenges.	
	6	Problem solving skills- steps, Decision Making Skills- skills required in decision making, essentials for effective decision making, Professional Ethics- components, need for ethical professionalism, Code of ethics.	

IV	Business Writing Skills	6
	7 Business writing skills-purpose, requisites for business writing, business letters-types, layout.	
	8 Intra organizational communication-Circular, notice, memo, report writing-types, agenda, minutes, External communication- press releases and conferences, brochures, leaflets and annual report, writing for web and social media	

V	Teacher Specific Module (Practicum)	20
	Group Discussions, Role play, Presentation, Mock Interview, Team Building games, Business Letter writing, Minutes, Report Writing	

Essential Readings:

Text Books (Latest Editions):

1. Communication Skills and Soft skills : An Integrated Approach: E.Suresh Kumar, Pearson
2. Communication to Win: Richard Denny, Kogan Page India Pvt. Ltd.
3. Managing Soft Skills for Personality Development: B.N. Ghosh, Mc Graw Hill
4. Personality Development and Soft Skills: Barun Mitra, Oxford University Press



Assessment Rubrics:

Evaluation Type	Marks
End Semester Evaluation	35
Test Paper (Practicum)	15 (P)
Presentation/Case Study	10 (P)
Continuous Evaluation	15
a) Test Paper- 1	5
b) Test Paper-2	5
d) Seminar/Book/ Article Review/ Viva-Voce/Field Report/Assignment	5
Total	75



SEMESTER V

<i>Course Category</i>	<i>Code</i>	<i>Credit</i>	<i>Course</i>	<i>Major Elective</i>	<i>Code</i>	<i>Hours</i>
Discipline Specific Core Courses (DSC)	KU5DSCBBL300	4	Packaging *	Major	A8	4
	KU5DSCBBL301	4	Business Research Methodology *	Major	A9	4
	KU5DSCBBL302	4	Transportation *	Major	A10	4
Discipline Specific Elective Courses (DSE)	KU5DSEBBL303	4	Port Management	Major Elective	A11	5
	KU5DSEBBL304	4	International Trade Documentation and Maritime Law	Major Elective	A12	5
Skill Enhancement Courses (SEC)	KU5SECBBL300	3	Office Automation	SEC 2		3

SEMESTER VI

<i>Course Category</i>	<i>Code</i>	<i>Credit</i>	<i>Course</i>	<i>Major/ Elective</i>	<i>Code</i>	<i>Hours</i>
Discipline Specific Core Courses (DSC)	KU6DSCBBL300	4	Introduction to Shipping*	Major	A13	4
	KU6DSCBBL301	4	Global Supply Management*	Major	A14	4
	KU6DSCBBL302	4	Entrepreneurship and Start-up Ecosystem *	Major	A15	4
Discipline Specific Elective Courses (DSE)	KU6DSEBBL303	4	Digital Logistics	Major Elective	A16	5
	KU6DSEBBL304	4	Aviation and Cargo Management	Major Elective	A17	5
Skill Enhancement Courses (SEC)	KU6SECBBL300	3	Internship	SEC 3		3

SEMESTER – V

KU5DSCBBL300: PACKAGING

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
V	DSC	300-399	KU5DSCBBL300	4	4

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
4	0	-	30	70	100	2

Course Description:

Logistics Management is a foundational course which helps to develop managerial skills among students.

Course Outcomes:

Co No.	Expected Outcome	Learning Domains
1	Understand the fundamentals concept of Packaging.	U
2	Learn the concepts and importance of Packaging	U
3	Acquire the knowledge of effective packaging Operations	U
4	Understand the effectiveness good package system	U
5	Analyse the importance,& types of Packaging	An
6	To learn about the managerial concept of Safety Packaging	A

***Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)**

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	√						
CO 2		√					
CO 3			√				
CO 4				√		√	
CO 5					√		√

COURSE CONTENTS

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
		Introduction	15
I	1	Introduction to Packaging. a)Packing Material & Components- Materials Flexible/Metals Flexible, Folding, Insulated. b) Corrugated Packing Materials. Packing Material . Paper, Wood, Adhesive, Aluminium Foil, Cushioning Stuff. Packaging . Gas, Pallet, Paper Board, Plastic Wrap, Shrink Wrap, Screw Cap. Slip Sheet security Printing.	
	2	a) Stretch Wrap-Time Temperature Indicator-Tinplate . b)Packaging Industry Process and Machining. Packaging Demands of Consumer goods Industry. a) Trends and Technology in Packing industry. b)Aseptic Processing-Authentication-Automatic Identification and Data Capture-Blow Moulding Electronic Article Surveillance. c)Containerization-Induction Sealing-Plastic Welding-Printing Identification Codes	
II		Packaging	10
	3	Universal Product code-GSI Standards. Package Labels-Symbols used on Packages and Labels. Heavy Medium and small Packaging, Active Packaging, Child Resistant Packaging, Pilfer Tamper, Evident/Proof Packaging-Product Packaging Compatibility.	
	4	Pharma Packing-Food Packaging-Electronic Goods Packing-FMCG Packing. Heavy Engineering goods and Equipment Packaging	
III		Package Design	10
	5	Packaging as Protection Against Hazards Package . Design Considerations-Structural Design. Marketing-Shelf Life, Quality Assurance Logistics. Legal Regulatory Graphic Design End Use.	
	6	Environmental Factors-Packaging for Marketing and Visual Appeal. Biodegradation-Recycling-Glass, Paper, Plastic - paper Reuse Sustainable Packaging-Waste Management	
IV		Labeling	10

	7	Marking and Labeling. Eco Friendly Packaging – Exports-Scientific Packaging. Standardization in Packaging-Quality Assurance, Radio Frequency Identification. Track and Trace Vacuum Forming Verification and Validation.	
	8	Barcode Printer-Barcode Reader. Bottling Line- Cartoon Machine- Check Weighed Conveyor System. Heat Gun-Heat Sealer-Industrial robot injection Molding Machine	

V	Teacher Specific Module <i>For effective learning teachers can use group activities like role- play and demonstrations and employ case studies of experts in the field</i>	5
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Essential Readings:

1. Calver, G. (2003). *What is packaging design*. Rotovision.
2. Dean, D. A. (2000). *Pharmaceutical packaging technology*. Taylor & Francis.
3. McKinlay, A. H. (2004). *Transport packaging*.
4. Robertson, G. L. (2005). *Food packaging*.

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		70
Continuous Evaluation		30
a)	Test Paper- 1	10
b)	Test Paper-2	10
c)	Assignment	5
d)	Seminar/ Book/ Article Review/ Viva-Voce/ Field Report	5
Total		100

KU5DSCBBL301: BUSINESS RESEARCH METHODOLOGY

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
V	DSC	300-399	KU5DSCBBL301	4	4

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
4	0	0	30	70	100	2

Course Description:

Introduces the nature and process of research. Also creates required knowledge and skill in pursuing research.

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	understand nature and process of research	U
2	enable to define and develop research problem	U, AP
3	develop and apply research design	U, AN
4	design measurement scales and collect data for research	A,E
5	develop systematic research report	C

*Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	1			4			
CO 2		2			5		
CO 3			3				
CO 4			3				
CO 5	1			4			

COURSE CONTENTS

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
1	1	Introduction to Research Meaning and Definition of Research, Purpose, Types of research, Criteria of good research. Scientific method and its basis – Induction and Deduction.	10 hrs
	2	Business Research –Meaning, scope, Functions; Steps in Research process (a brief description only)	
2	3	Research Problem and Design Research Problem: Meaning and Definition, sources of problem, Formulation of problem, criteria of a good research problem.	21 hrs

	4	Research Design: Meaning, Importance, Concepts related to research design, types of research design- Exploratory, Descriptive/ Diagnostic, Experimental/ Hypothesis testing research designs, Contents of research design	
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		Data Collection	12hrs
3	5	Data Collection - Meaning and types of data: Measurement: Concept of measurement– what is measured? Problems in measurement in research – Validity and Reliability. Levels of measurement – Nominal, Ordinal, Interval, Ratio	
	6	Primary and Secondary data; Methods of collecting primary data; Secondary data- Meaning, sources, Precautions to be taken before using secondary data.	

		Report writing	12 hrs
4	7	Report: Meaning, qualities of a good report, types of report, steps in report writing, Layout of research report- Prefatory items, Main body, Terminal items.	
	8	Report writing: Meaning, qualities of a good report, types	

5	Teacher Specific Module	5
	<i>Directions</i>	

Essential Readings:

1. Naresh Malhotra, John Hall, Mike Shaw &Peter (Latest Edition), *Market Research*, Second Edition. Prentice Hall.
2. Kothari, C.R. (Latest Edition), *Research Methodology – Methods and Techniques*, Second Edition. New Delhi: New Age International.

3. Krishnaswamy OR & Ranganatham, M. (Latest Edition), *Research Methodology in Social Science*. New Delhi: Himalaya.
4. Panneerselvam, R. (Latest Edition), *Research Methodology*, New Delhi: Prentice Hall.

Suggested Readings:

1. Uma Sekharan. (Latest Edition). *Research Methods for Business*. Wiley Publications.
2. Sekharan Uma & Roger Bougie (Latest Edition) *Research Methods for Business: A Skill Building Approach*. John Wiley and Sons
3. Shashi K Gupta & Praneet Rangi: Business Research Methods, Kalyani Publishers

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		70
Continuous Evaluation		30
a)	Test Paper- 1	10
b)	Test Paper-2	10
c)	Assignment	5
d)	Seminar/ Book/ Article Review/ Viva-Voce/ Field Report	5
Total		100

KU5DSCBBL302: TRANSPORTATION

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
V	DSC	300- 399	KU5DSCBBL302	4	4

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
4	0	0	30	70	100	2

Course Description: Provides an in-depth examination of the role of transportation with in the broader context of logistics and supply chain.

Course Prerequisite: NIL

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	1.Understand the fundamental role of transportation in logistics	U
2	2.Compare different modes of transport and their applications	U
3	3. Understanding documentation for transport	U
4	4. Understand the benefits of efficient transportation system	U
5	5. Analyse insurance aspects in transportation	An
6	6. Creation of idea on issues during transit and its solutions	A

*Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	✓			✓			
CO 2		✓			✓		
CO 3			✓				✓
CO 4			✓			✓	
CO 5	✓			✓			

COURSE CONTENTS

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
MODULE TITLE			
1		Transportation Meaning, importance, Functions Types of transportation	15
	a)	Meaning, importance	
1	b)	Functions	
2		Methods of Selection of transportation factors considering fixation of freight charges	
		Role of containers in modern Transportation.	

MODULE TITLE		
	1	Transportation Optimisation - Documentation for transportation - GST-E Waybill Filing
2	2	Transportation Telematics - Vehicle tracking system - Communication with vehicle driver or transport company
	3	Probable reasons for delay or any issues during transit-Solutions for corrective actions (such as talking to local authorities or break down service assistance)
	4	Road signs, List good practices in driving

MODULE TITLE		
	1	Modes of transportation- Road, Rail, Ocean
3	2	Transport-Ships-Types- Measurement capacity of ships, shipping information
	3	Air Transport Multi model transport containerization, CFS-ICDS- Cross Docking
	4	Selection of transportation mode Transportation Network and Decision

MODULE TITLE		
	1	Benefits of efficient transportation systems-Pricing in transportation sector
		Suppliers of Transportation service
4	2	Multi modal transportation Act and provisions-Other Govt. regulations on transportation in India
		Safety procedures during transit and emergency response steps
		keeping track of news on traffic and suggestion for re-routing - Tracking Systems-Importance of consignment number - GPS systems and tracking devices

	3	Insurance aspects of logistics Transportation Documentation Packaging and its perspectives	
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	Teacher Specific Module (Practicum)	30
	<i>For effective learning teachers can use group activities like role- play and demonstrations and employ case studies of experts in the field.</i>	

Essential Readings:

- 1.Goldsby, T., Martichenko, R., & Carr, A. (2014). *The definitive guide to transportation*.Pearson Education.
- 2.Coyle, J. J. (2015). *Transportation*.Cengage Learning.
- 3.Hendrickson, J. (2019). *Transportation management*.Heartland.
- 4.Murphy, P. R., &Knemeyer, A. M. (2014). *Contemporary logistics* (11th ed.). Pearson Education.

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		70
Continuous Evaluation		30
a)	Test Paper- 1	10
b)	Test Paper-2	10
c)	Assignment	5
d)	Seminar/ Book/ Article Review/ Viva-Voce/ Field Report	5
Total		100

KU5DSEBBL303: PORT MANAGEMENT

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
V	DSE	300-399	KU5DSEBBL303	4	5

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
3	2	0	25 T+10 P	50 T+15 P	100	1.5

Course Description: To familiarize student with the introduction to logistic management, the variables of logistics and its importance in the business functions

Course Prerequisite: NIL

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	1. Understand types, layouts, and structure of the port	U
2	2. Learn port functions, infrastructure, and operation	U
3	3. Identify key services for ships and cargo in ports	U
4	4. Understand berth facilities, ship operations, and stowage	U
5	5. Assess cargo safety, security, and performance metrics	An
6	6. Analyse port development and shipping technology trends	An

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*Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	✓			✓			
CO 2		✓			✓		
CO 3			✓				✓
CO 4			✓			✓	
CO 5	✓			✓			

COURSE CONTENTS

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
MODULE TITLE			
1	1	Definition-Types and Layout of the Ports- Organizational structure a) Main functions and features of ports. Infrastructure and connectivity-Administrative functions-Operational functions. b) Main services: Services and facilities for ships-Administrative formalities	15
	2	Cargo transfer-Services and facilities for cargo-Additional "added value" service	

	Ports and their stakeholders like PHO Immigrations, Ship agents, Stevedores, CHA	
3	Berths and Terminals Berth Facilities and Equipment Ship Operation-Pre-shipment planning The stowage plan and on-board stowage cargo positioning and stowage on the terminal	
4	Developments in cargo/ container handling terminal operation Safety of cargo operations Cargo security Measuring and evaluating performance and productivity	

MODULE TITLE		
1	Phases of port development Growth in word trade Changes in growth	15
2	Development in terminal operation. Shipping technology and port	
3	Ship knowledge-Ship development and port development	
4	Port time and ship speed	
5	Other technical development affecting port	

MODULE TITLE		
1	Global regulatory organizations	15
2	Conventions and Reports. Environment regulation: Port environmental pollution Environmental Management System- HAZMAT (Hazardous Materials)	

	BWM (Ballast Water Management).	
	Port Security: ISM, ISPS, Occupation Safety and Health Administration-ISO1400	

MODULE TITLE		
4	1	Port ownership structure 15
		Types of port ownership and administration -
	2	Organizations concerning ports
		Boards governing the ports
		Port management development - Rise and fall of Ports-Port ownership structure in India
	3	Port reform: Framework for port reform-Evolution of ports in a competitive world
		Alternative Port Management Structure and Ownership Models.

Teacher Specific Module (Practicum)	30
<i>For effective learning teachers can use group activities like role- play and demonstrations and employ case studies of experts in the field.</i>	

Essential Readings:

1. Heizer, J., & Render, B. (2017). *Operations management: Sustainability and supply chain management* (12th ed.). Pearson Education.
2. Paul, J., & Asekar, R. (2013). *Export import management* (2nd ed.). Oxford Higher Education.
3. Krajewski, L. J., Malhotra, M. K., & Ritzman, L. P. (2018). *Operations management: Processes and supply chains* (11th ed.). Pearson Education.
4. Cachon, G., & Terwiesch, C. (2022). *Operations management* (3rd ed.). McGraw-Hill Education.
5. Mentzer, J. T. (2023). *Fundamentals of supply chain management: Twelve drivers of competitive advantage*. SAGE Publications.
6. Stevenson, W. J., & Kull, T. J. (2025). *Operations and supply chain management* (Evergreen ed.). McGraw-Hill Education.

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		50
Test Paper (Practicum)		15 (P)
Continuous Evaluation		25
Presentation /Case Study		10 (P)
a)	Test Paper- 1	7.5
b)	Test Paper-2	7.5
c)	Assignment	5
d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report	5
Total		100

KU5DSEBBL304: INTERNATIONAL TRADE DOCUMENTATION AND MARITIME LAW

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
V	DSE	300-399	KU5DSEBBL304	4	5

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
3	2	0	25 T+10 P	50 T+15 P	100	1.5

Course Description: To equip students with comprehensive knowledge of international trade procedures, documentation, and maritime law

Course Prerequisite: NIL

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	1. Understand international trade and global trade and the importance of documents in international trade	U
2	2. Understand and apply Incoterms in global trade agreements to clearly define the distribution of responsibilities and risks between parties.	U
3	3. Understand international trade documentation and commercial documentation	U
4	4. Understand Maritime law and its jurisdiction	U

5	5. Analyse the responsibilities and liabilities of carrier and shipper	An
6	6. To learn marine insurance law and general principles	A

***Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)**

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	✓			✓			
CO 2		✓			✓		
CO 3			✓				✓
CO 4			✓			✓	
CO 5	✓			✓			

COURSE CONTENTS

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
	MODULE TITLE		
1	1	Introduction to International Trade	20
		Overview of Global Trade and Shipping	
		Importance of Documentation in International Logistics-Parties Involved in International Trade-Incoterms	

	2	International Trade Documentation, Commercial Documents Invoice-Packing List-Proforma Invoice-Certificate of Origin-Transport Documents	
	3	Bill of Lading (B/L) – Types and Functions-Airway Bill-Multimodal Transport Document (MTD) Insurance Documents: Marine Insurance Policy-Certificate of Insurance Banking and Payment Documents: Letter of Credit (LC)	
	4	Bill of Exchange-Bank Drafts and Cheques Customs and Regulatory Documents Export Declaration-Import License Inspection Certificates	

MODULE TITLE		
2	1	Maritime Law – Introduction
	2	Nature and Scope of Maritime Law
	3	Admiralty Law and Jurisdiction
	4	Sources of Maritime Law (International Conventions, National Laws)
	5	Law of the Sea (UNCLOS overview)

MODULE TITLE		
3	1	Carriage of Goods by Sea
	2	Charter Parties (Voyage, Time, and Bareboat Charters
		Responsibilities and Liabilities of Carrier and Shipper

	Hague, Hague-Visby, and Hamburg Rules	
	Role of P&I Clubs (Protection & Indemnity)	

MODULE TITLE		
4	1	Marine Insurance Law
		General Principles of Marine Insurance
	2	Types of Marine Insurance (Hull, Cargo, Freight)
		Insurable Interest and Utmost Good Faith
		Rights and Duties of Insurer and Insured-Subrogation and Contribution

Teacher Specific Module (Practicum)	30
<i>For effective learning teachers can use group activities like role- play and demonstrations and employ case studies of experts in the field.</i>	

Essential Readings:

- 1.Ramagopal, C. Export import procedures and documentation. New Age International Publishers.
- 2.Cherunilam, F. International trade and export management. Himalaya Publishing House.
- 3.Finger, M. International trade and economic relations. World Bank / Various Academic Publishers.
- 4.Wilson, J. F. Carriage of goods by sea. Pearson Education.
- 5.Agarwal, D. K. Logistics and supply chain management. Macmillan India.

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		50
Test Paper (Practicum)		15 (P)
Continuous Evaluation		25
Presentation /Case Study		10 (P)
a)	Test Paper- 1	7.5
b)	Test Paper-2	7.5
c)	Assignment	5
d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report	5
Total		100

KU5SECBBL300: OFFICE AUTOMATION

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
V	SEC	300-399	KU5SECBBL300	3	3

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
3	0	0	25	50	75	1.5

Course Objective:

To provide and develop office automation skills among students . and to manage an office using various Office automation tools.

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	Explain fundamentals and use of computers in day-to-day work environment.	U
2	Prepare and develop skills in correspondence, maintain office records and filing practices.	C
3	Up to date and expand the basic informatics skills necessary in the emerging knowledge society	E
4	Effectively utilize the digital knowledge resources for their studies	C
5	State the areas where IT can be used effectively	C

6	Manage routine office activities by using computers to store, retrieve and share data.	An
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Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
	Office Management		10
I	1	Office management –meaning-concepts of organization- Departmentation of modern office-Managing office routines-	
	2	work place-meaning-workplace text and correspondence-Features- types of work place texts -IT and workplace-issues and concerns- digital divide-cyber ethics and cyber crimes-information overload- computer and internet –E-waste.	

	Fundamentals of computer System		10
II	3	Fundamentals of computer system-meaning and functions-functional units of computer-peripherals of computer-operating system-	
	4	hardware and soft ware-types of computers-Computer Generations- various computer terms and their functions	

	Data Management System		10
III	5	Ergonomics Guidelines-meaning-basic guidelines –work safety on computer-Basic precautions-cyber security-confidentiality in workplace-confidentiality standards and security measures.	
	6	Electronic data management system-importance-collection and handling of data-electronic filing-classification of filing(conventional, modern and other methods)	

IV	Programmes for Office Management		10
	7	Programmes for Office Management-Introduction to word processing-software packages for word processing-creating a document-edit, save, printing a document in word processor-mail merge-	
	8	Power Point Presentation-introduction to presentation-software packages for presentation-creating presentation slides –application tools for slide preparation and presentation-(20 HourPracticals)	

V	Teacher Specific Module	5
	IT Practical	

Reference.

1. V. Rajaraman : Introduction to Information Technology. PrenticeHall
2. Technology in Action : Pearson.
3. Alexis Leon & Mathews Leon : Computer Today, Leon Vikas.
4. V.K.Jain : Computer Fundamentals
5. Vijay Kumar Khurana : Management of Information Technology - B.Jolly&K.S.Jolly; SunithaPrakasan
6. Rechard Peterson Negus: Linux Bble, Wiley India Private Limited.
7. Mike Mc Grath, Linux in Easy steps, Dream Tech Press New Delhi

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		50
Continuous Evaluation		25
a)	Test Paper- 1	7.5
b)	Test Paper-2	7.5
c)	Assignment	5

d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report	5
Total		75

SEMESTER – VI

KU6DSCBBL300: INTRODUCTION TO SHIPPING

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
VI	DSC	300-399	KU6DSCBBL300	4	4

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
4	0	0	30	70	100	2

Course Description: Logistics Management is a foundational course which helps to develop managerial skills among students.

Course Prerequisite: NIL

Course Outcomes:

CO No.	Expected Outcome	Learning

		Domains
1	Understand the fundamentals and historical development of the global shipping industry.	U
2	Demonstrate knowledge of ship types, cargo handling, and ship registration processes.	U
3	Analyze different chartering methods and interpret various types of charter party agreements.	An
4	Evaluate the roles of international shipping authorities and legal frameworks regulating maritime trade.	E
5	Apply knowledge of maritime geography and documentation in practical shipping scenarios.	A

***Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)**

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	✓			✓			
CO 2		✓			✓		
CO 3			✓				✓
CO 4			✓			✓	
CO 5	✓			✓			

COURSE CONTENTS

Contents for Classroom Transaction:

M	O	U	DESCRIPTION	HOURS
D	N	I		
U		T		

MODULE TITLE		
	1	Importance of Sea Transportation
		15
		a) Different Shipping markets
		b) Different Shipping markets
1	2	Participation of Shipping Trade
		Ship Supply & Operation, Protectionism, Ship Registration
	3	Why operate Ships- - Ship -Port State Control-
		Ship Classification
		Brief history of Shipping
	4	Ship registration Tonnage & Load lines
		a) various tonnage and types of Ships, cargo gears Crude oil and product tankers
MODULE TITLE		
	1	The Dry Cargo Chartering market
		15
	2	Introduction-Chartering various charter parties and description of charter parties
2	3	Liners: Introduction-The Development of Tankers & the Tanker Market
	4	Types of tankers, Tanker Charter Parties-Negotiating Charter
	5	History of Containerisation Conferences & Freight Tariffs-
	6	Liner Documentation: Bill of Lading Terms & Conditions.

MODULE TITLE		
3	1	The Practitioners in Shipping Business
	2	The Institute of Chartered Ship Brokers

	Ship Sale and Purchase-Ship Management	
	Maritime Geography	
	Introduction-Ocean & Seas-Ports-Geography of trade	

MODULE TITLE		
4	1	Fundamentals of English Law-Arbitration, The Contract-Remedies for breach Contract
		TORT-Contracts Relating to the carriage of goods by sea-
	2	Liner Bill of Lading-the Hague -vis by Rules
		Hamburg rules
	3	Agency-Breach of Warranty of Authority
		Protection & Indemnity Associations

Teacher Specific Module (Practicum)	30
<i>For effective learning teachers can use group activities like role- play and demonstrations and employ case studies of experts in the field.</i>	

Essential Readings:

1. Institute of Chartered Shipbrokers. (Revised ed.). *Introduction to shipping*. Witherby Seamanship International Ltd.
2. Kamm, J., Connaughton, S., Erikson, G., Moran, R., & Renwick, S. G. *Shipping biography introduction: 1st Baronet*. Llc Book.
3. Cheong, K. T. (2016). *Introduction to shipping* (2nd ed.). LexisNexis Emerging Issues Analysis CLE.
4. Dicke, J. W. (2014). *Reeds 21st century ship management*. Bloomsbury Publishing

Assessment Rubrics:

Evaluation Type	Marks
End Semester Evaluation	70

Continuous Evaluation		30
a)	Test Paper- 1	10
b)	Test Paper-2	10
c)	Assignment	5
d)	Seminar/ Book/ Article Review/ Viva-Voce/ Field Report	5
Total		100

KU6DSCBBL301: GLOBAL SUPPLY MANAGEMENT

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
VI	DSC	300-399	KU6DSCBBL301	4	4

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
4	0	0	30	70	100	2

Course Description: Logistics Management is a foundational course which helps to develop managerial skills among students.

Course Prerequisite: NIL

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	Understand global trade dynamics and strategic supply chain practices.	U
2	Identify and analyse key globalization drivers impacting supply chain	An
3	Evaluate Global Supply Chain Infrastructure risks and Legal Consideration	E
4	Design logistics strategies for global inventory, packaging, and distribution systems.	C
5	Apply global sourcing and supplier network design concepts to real-world business contexts.	A

*Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	✓			✓			
CO 2		✓			✓		
CO 3			✓				✓
CO 4			✓			✓	
CO 5	✓			✓			

COURSE CONTENTS

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
MODULE TITLE			
1		Global trade and global supply chains Expertise in emerging markets and global supply chains Best practices for strategic global supply chain management	15
1	2	How to integrate global supply chain functions Strategic benefits of global supply chains Implications of Industry Globalization	
3	3	Drivers for Supply Chains Ways to identify key market global drivers Knowledge of how market globalization drivers influence supply chains Exploration of the declining role of governments as producers and customers and their new role adds value for global supply chains.	
MODULE TITLE			
2	1	Evaluating Global Supply Chain Infrastructure	15
	2	Analysis of transportation, communication, utilities and technology infrastructure	
	3	Supply chain security, risks and value Legal considerations	
	4	international contracts and insurance issues	
	5	Commercial documents and customs clearance International commerce terms (INCOTERMS).	

MODULE TITLE		
1	Leveraging Logistics in Global Supply Chains	15
3	2 design a global logistics strategy	
	Managing global inventory	
	Global packaging and materials handling	
	Understanding of global distribution centres Ocean, air, land and intermodal transportation.	

MODULE TITLE		
1	Types of global purchasing strategies for outsourcing and off shoring	15
4	Selecting suppliers and designing global supplier networks	
	2 Maximizing Operations in Global Supply Chains-Expertise in international wholesaling, retailing and franchising. How to go global online	
	3 Using global EDGE diagnostic tools for global market channel partners	

Teacher Specific Module	5
<i>For effective learning teachers can use group activities like role- play and demonstrations and employ case studies of experts in the field.</i>	

Essential Readings:

1. VenkataRatnam, C. (2007). *Globalisation and labour management relations*.Response Books.
2. Viswanadham, N., &Kameshwaran, S. (2013). *Ecosystem aware global supply chain management*.World Scientific Publishing.
3. Ross, D. F. (2009). *Competing through supply chain management* (6th ed.). Chapman & Hall.
4. Sheffi, Y. (2023). *The magic conveyor belt: Supply chains, AI, and the future of work*. CTL Media.
5. Goodman, P. S. (2023). *How the world ran out of everything: COVID-19 and the fragility of global supply chains*. Hachette Books.

6.Solingen, E. (Ed.). (2021). *Geopolitics, supply chains, and international relations in East Asia*. Cambridge University Press.

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		70
Continuous Evaluation		30
a)	Test Paper- 1	10
b)	Test Paper-2	10
c)	Assignment	5
d)	Seminar/ Book/ Article Review/ Viva-Voce/ Field Report	5
Total		100

KU6DSCBBL302: ENTREPRENEURSHIP AND START- UP- ECOSYSTEM

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
VI	DSC	300-399	KU6DSCBBL302	4	4

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
4	0	0	30	70	100	2

Course Description:

Introduces the nature and process of entrepreneurship. Also creates required knowledge and skill in starting and running enterprises and start-ups

Course Prerequisite: NIL

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	Identify the characteristics of an entrepreneur	U
2	describe the importance of entrepreneurs in the economic development of a nation	U, AP
3	identify the different types of entrepreneurs	U, AN
4	to strengthen their skill and quality as an entrepreneur	A,E
5	Preparing project report and performing feasibility analysis	C

*Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	1			4			
CO 2		2			5		
CO 3			3				
CO 4			3				
CO 5	1			4			

COURSE CONTENTS

Contents for Classroom Transaction:

M O D U L E		U N I T	DESCRIPTION	HOURS
I	1		Concept of Entrepreneurship Entrepreneurship -meaning- definition- importance- Functions- Types of entrepreneurs- -Factors affecting Entrepreneurial Growth-motives influencing entrepreneurs	15 Hrs
			Entrepreneurship- Types- Factors affecting Entrepreneurial Growth - Role of entrepreneur in Economic development-	

	Entrepreneurial Motivation		15 hrs
II	3	Entrepreneurial Motivating factors -Entrepreneurial competencies- Developing competencies. Institutional efforts and role of Government in developing entrepreneurship-	
	4	Entrepreneurship Development Programme (EDP) - Need- Objectives- Course content and curriculum of EDP- Phases of EDP	

	Launching of New Enterprise.		14 Hrs
III	5	Sources of business ideas. Setting up of new business. Micro, Small & Medium Enterprises- MSMED Act 2006 - Characteristics- Objectives- Importance. Entrepreneurship Incubators - Problems and prospects of MSMEs- Incentives and subsidies	
	6	Project: Meaning and Features, Project analysis and feasibility study. Contents of Project Report. Preparation of Project Report for a Micro enterprise	

	Support Systems for Entrepreneurs and MSME,Start-up Ecosystem	16 Hrs
IV	7 Industries Board- State Small Industries Development Corporations- MSME Institute-DICs- Industrial Estates- Technical Consultancy Organizations lead bank schemes.	
	8 Loans and Advances available for Entrepreneurs, Schemes of Financial Institutions- Start ups- Kerala Start Up Mission- Role and Functions. Incubators, Accelerators, Venture Capital Funds, Angel Investors. Sources of Venture Funding available in India. Source of Technology, Intellectual Property management	

5	Teacher Specific Module <i>Directions</i> , Provide Specific case studies	5
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Essential Readings:

1. Entrepreneurial Development : P. Saravanavel
2. Entrepreneurial Development :C. B Gupta and N.P Sreenivasan
3. A complete Guide to Successful Entrepreneurship; G.N. Pandey
4. Project Evaluation and Management :Singh and Mahadev
5. MSME Act 2006, Govt of India

Suggested Readings:

1. Business and Society Davis Keith and Williams C. Fredarick
- 2 Entrepreneurship : R.V. Badi& N V Badi
3. Entrepreneurship Development : S.S. Khanka
4. Entrepreneurship : Robert D Hisrich and Michael P Peters

Assessment Rubrics:

Evaluation Type	Marks
End Semester Evaluation	70

Continuous Evaluation		30
a)	Test Paper- 1	10
b)	Test Paper-2	10
c)	Assignment	5
d)	Seminar/ Book/ Article Review/ Viva-Voce/ Field Report	5
Total		100

KU6DSEBBL303: DIGITAL LOGISTICS

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
VI	DSE	300-399	KU6DSEBBL303	4	5

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/	Tutorial	CE	ESE	Total	

	Internship					
3	2	0	25 T+10 P	50 T+15 P	100	1.5

Course Description: Logistics Management is a foundational course which helps to develop managerial skills among students.

Course Prerequisite: NIL

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	Understand the evolution and transformation of logistics through digitalization.	U
2	Demonstrate awareness of current trends in digital logistics, including cold chain and reverse logistics	U
3	Analyze digital tools such as blockchain, ERP, and robotic systems in logistics management	An
4	Apply knowledge of IoT, VTS, and analytics to solve logistics challenges.	A
5	Evaluate the differences between traditional and digital logistics practices.	E

*Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	✓			✓			
CO 2		✓			✓		
CO 3			✓				✓
CO 4				✓		✓	

CO 5	✓				✓			
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COURSE CONTENTS

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
MODULE TITLE			
1	1	Digital Logistics- History of Digitalization in Logistics Industry, Transport, Shipping, Airline, CHA Activates	15
		Introduction and review of Industry 4.0	
		0 Logistics 4.0 digitalization transformation	
	2	Globalization & Liberalization and their impact on Logistics.	
		Block chain, Logistics Analytics, Robotic warehousing	
	3	E Procurement transport and delivery Management	
		Customer Relationship Management	
		Digitalization of logistics and challenges in logistics	
MODULE TITLE			
2	1	Inventory control system (ICS)	15
	2	Material requirement planning MRP-Manufacturing resources planning MRP 2	
	3	Enterprise resources planning (ERP),	

	4	Development of logistics-Logistics -1.0, 2.0, 3.0, 4.0, future direction of digitalization Logistics	
	5	New Technologies in Digitalization Logistics, [IOT]	
	6	Introduction of [IOT], Challenges of Internet of things,	

MODULE TITLE		
3	1	Changes in Logistics business module
	2	Digitalization transformation of Logistics and SEM, Block Chain. VTS and its applications, benefits of VTS. Block Chain-Robotic Operations at Warehouse. Difference between Digital and Traditional Logistics.

MODULE TITLE		
4	1	E Logistics Method of documents
		Entrepreneur resource planning system
2	2	ASN Tracking System, Satellite Global Positioning System-GPS. Geographic Information System - GIS, Bar coding and Scanning, Radio frequency Identification Devices-RIFD. Electronic signature digitalization technology.
	3	E logistics, Reverse logistics, Challenges of Digital Logistics. Data Analytics
		Difference between Digital and Traditional logistics'

Teacher Specific Module (Practicum)	30
<i>For effective learning teachers can use group activities like role- play and demonstrations and employ case studies of experts in the field.</i>	

Essential Readings:

1. Holtschulte, A. (2022). Digital supply chain and logistics with IoT: Practical guide, methods, tools, and use cases for industry (Management for Professionals). Springer.

2. Jahn, C., & Tick, A. (Eds.). (2023). Digital technologies in logistics and infrastructure (Lecture Notes on Data Engineering and Communications Technologies). Springer.
3. Kocaoglu, B. (2024). Logistics information systems: Digital transformation and supply chain applications in the 4.0 era. Springer.
4. Pellicelli, M. (2022). The digital transformation of supply chain management. Elsevier.
5. Parker, P. (2022). The 2023–2028 world outlook for digital logistics. ICON Group International.

Assessment Rubrics:

Evaluation Type		Marks
End Semester Evaluation		50
Test Paper (Practicum)		15 (P)
Continuous Evaluation		25
Presentation /Case Study		10 (P)
a)	Test Paper- 1	7.5
b)	Test Paper-2	7.5
c)	Assignment	5
d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report	5
Total		100

KU6DSEBBL304: AVIATION AND CARGO MANAGEMENT

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
VI	DSE	300-399	KU6DSEBBL304	4	5

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical/ Internship	Tutorial	CE	ESE	Total	
3	2	0	25 T+10 P	50 T+15 P	100	1.5

Course Description: Logistics Management is a foundational course which helps to develop managerial skills among students.

Course Prerequisite: NIL

Course Outcomes:

CO No.	Expected Outcome	Learning Domains
1	Understand the regulatory structure and operational functions of the air cargo industry	U
2	Identify and classify different types of aircraft and cargo handling facilities	U
3	Apply procedures for cargo booking, rate calculation, and airway bill documentation	A
4	Analyse the regulations for dangerous goods and their appropriate packaging and handling	An
5	Evaluate safety protocols and documentation requirements for dangerous goods transport by air.	E

*Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)

Mapping of Course Outcomes to PSOs

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO 1	✓			✓			
CO 2		✓			✓		

CO 3				✓					✓
CO 4				✓				✓	
CO 5	✓				✓				

COURSE CONTENTS

Contents for Classroom Transaction:

M O D U L E	U N I T	DESCRIPTION	HOURS
MODULE TITLE			
1	1	Introduction to Aviation	15
		National and International Aviation Authorities ICA/IATA/FIATA	
		The roles and responsibilities of the IATA cargo Agent, The operations and service functions	
1	2	The air Cargo consolidator and the process of consolidation	
		Use of the official Airline Guides To construct unpublished transfer connections of air cargo shipments	
	3	Use of the official Airline Guides To construct unpublished transfer connections of air cargo shipments.	
		Aircraft-Types of aircraft-passenger-cargo -Narrow bodied and wide bodied aircrafts	
		Parts- seating arrangements configuration loading limitations - volume and weight Bulk loading	
MODULE TITLE			
2	1	Structure of an international airport	15

	2	The airside and land side facilities Equipment's used in handling of air cargo	
	3	The air cargo complex and its facilities	
	4	Customer clearance procedures	
	5	The shipper's letter of instruction (SLI) &- Instruction for carriage and special cargo.	

MODULE TITLE		
	1	Procedures for Air Cargo Booking
	2	Automation in the Air Cargo Industry
		Physical handling procedures for Air Cargo
3	3	The Air Cargo Tariff (TACT)
		Types of Cargo rates-GCR-SCR and CR
		Lower charge in High weight category and the precedence of rates and charges Valuation charges.
		Disbursement and charges collect shipments
		Rating concepts - The Air way Bill, its functions and completion.

MODULE TITLE		
	1	Goods Regulation
		DGR Familiarization The contents of the IATA
4	2	Dangerous Goods Regulations (DGR)
		Manual Introduction to the DGR Applicability and limitations
		definitions of clauses/Divisions and packing groups
		groups List of Dangerous Goods and how to use the DGR Manual
		Mixtures and solutions and the assignment of proper shipping names

	Multiple Hazards and study of items acceptable in passenger or cargo aircrafts	
	Types of packing UN specification, Limited Quantity and other type	
	the packaging of Dangerous Goods shipment Specification of Packaging markings	
	Over pack and Salvage packaging.	
3	DGR procedures, package marking and labelling; documentation requirements for import and export- shipper's declaration; transport of radioactive materials and types of packaging used The transport Index - Documentation requirements in transporting dangerous Goods Classes and divisions of DG in Excepted Quantities Dangerous Goods Emergency Response Chart -Reporting of incidents and Accidents.	

Teacher Specific Module (Practicum)	30
<i>For effective learning teachers can use group activities like role- play and demonstrations and employ case studies of experts in the field.</i>	

Essential Readings:

1. Wensveen, J. G. (2022) – *Air Transportation: A Management Perspective* (8th Ed.), Routledge
2. **John F. O'Connell & George Williams** – *Air Transport in the 21st Century: Key Strategic Developments*, Routledge
3. Vasigh, B., Tacker, T., & Fleming, K. (2018) – *Introduction to Air Transport Economics* (3rd Ed.), Routledge
4. **.K. ShridharaBhat** – *Logistics ad supply Chain management*, Himalaya Publishing House

Assessment Rubrics:

Evaluation Type	Marks
End Semester Evaluation	50

Test Paper (Practicum)		15 (P)
Continuous Evaluation		25
Presentation /Case Study		10 (P)
a)	Test Paper- 1	7.5
b)	Test Paper-2	7.5
c)	Assignment	5
d)	Seminar/Book/ Article Review/ Viva-Voce/Field Report	5
Total		100