

S P Mandali's
**R. A. PODAR COLLEGE OF COMMERCE AND
ECONOMICS (AUTONOMOUS)**
Matunga, Mumbai- 400019

Syllabus
And
Question paper pattern

**Bachelor of Business Administration
(Shipping and Logistics Management)
S.Y.B.B.A Semester III**

Syllabus as per National Education Policy 2020
To be implemented for Academic Year 2024-2025

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**Bachelor of Business Administration
(Shipping & Logistics Management)**

**Syllabus as per National Education policy
2020**

Course Structure
S.Y.B.B.A (Level 5)

(To be implemented from Academic year 2024-2025)

Bachelor of Business Administration (BBA) Programme
Syllabus as per National Education Policy 2020
Course Structure
S.Y.BBA (Level 5)

(To be implemented from Academic Year- 2024-25)

Semester III

No. of courses	CourseCode	Semester III	Credits
		Elective Courses (EC)	
1		Discipline Specific Elective (DSE) Courses (Major)	
1. A .a	PUE103201	Multi-mode Transport: Air transport	0 3
1. A.b	PUE103202	Multi-mode Transport: Road transport	0 3
1.A.c	PUE103203	Multi-mode Transport: Rail transport	0 3
2		Discipline Specific Elective (DSE) Courses (Minor)	
2.A. a	PUE203201	Packaging and Labelling	03
3		General Elective/ OE	6 (03)
3.A. a	PUD303201	Digitalization of Money markets	
3.A.b	PUD303202	Blockchain Technology	
3.A.c	PUD303203	Data Visualization using Power BI	
4		Vocational Skill Enhancement Courses (VSC)	
4.A.a	PUE403201	Organization and Financial aspects of Multimodaltransport Operator	0 3
5		Ability Enhancement Course	
5.A		Linguistic Studies-I	0 2
5.A.a	PUA503201	Sanskrit	
5.A.b	PUA503202	Marathi	
5.A.c	PUA503203	Hindi	
6		Internship/Field Project / Research Project / Community Engagement	

6.A.a	PUA603201	Foundation of Research Skills (Internship/Field Project/Research Project/Community Engagement)	0 2
TOTAL	Cumulative Credits		2 2

Elective Courses (EC) (Major) Discipline
Specific Elective (DSE) Courses
Course Credit-3
1.A.a Multi-mode Transport: Air transport
Semester III

1.Major	
1.A Course I	
1.A.a Multi-mode Transport- Air Transport(Course Credit 3)	
Course Objectives and Course Outcomes	
Course Objectives	
CObj 1	To enable the learner to understand the nuances of air transport
CObj 2	To ensure that the learner can distinguish between the different types of goods
CObj 3	To understand the relevance of various documents in air transport
CObj 4	To study the different rates applicable to the goods using air transport
Course Outcomes	
COut 1	Ensures the understanding of different documents required in Air transport
COut 2	Enhances the ability of the student to differentiate between different types of goods
COut 3	Learner acquires knowledge of the different rates applicable in Air transport
COut 4	The learner acquires knowledge about the role of agencies in Air transport

Modules at a Glance

Sr. No.	Modules	No. of Lectures
1	Introduction, Industry regulations, Air Cargo agency	15
2	Aircraft, Handling facilities, Air cargo acceptance and cargo booking procedures	15
3	Cargo Automation, Air waybill, Cargo rates and charges	15
Total		45

Syllabus

Sr. No.	Modules / Units
1	Industry regulations, Air Cargo Agency, World geography, Use of guides, Aircraft
	ICAO , IATA - International Air Transport Association FIATA - International Federation of Freight Forwarders Associations The Air Cargo Agency The IATA Air Cargo Agent/Intermediary (current program), The Consolidator Air Cargo Agent's Operations, Air Cargo Agent's Service, Functions Organization of Air Cargo, Agencies Liability World Geography Geography and IATA Three-Letter Codes, IATA Areas and Sub-areas, Time Differences, Calculation of Transportation Time Use of Guides The OAG Cargo Guide and The OAG Flight Guide
2	Aircraft, Handling facilities, Air cargo acceptance and cargo booking procedures
	Aircraft, The Aircraft, Bulk Load Limitations, Unit Load Devices, Determining the Acceptance of Cargo to Carriers, Handling Facilities, Airports, Aircraft Handling Facilities, Cargo Terminal Facilities, Customs Clearance Process Air Cargo Acceptance, Instructions for Carriage, Acceptance based on the Shipper's Letter of Instruction, Acceptance of Special Cargo, Cargo Booking Procedures, How to Make a Cargo Booking and Airlines' Internal Booking Procedures
3	Cargo Automation, Air waybill, Cargo rates and charges
	Cargo Automation Administrative Automation, Physical Handling Automation, Cargo iQ e-Freight and e-AWB including Cargo-XML The Air Waybill Types of Air Waybills and their Function, Completing the Air Waybill and Labeling and Marking Cargo Air Cargo Rates and Charges The Air Cargo Tariff (TACT), IATA Areas and Sub-areas, Chargeable Weight, Currencies, Rates and Charges, General Rules, Minimum Charges, General cargo Rates (GCR), Specific Commodity Rates (SCR), Class Rates, Lower Charge in Higher , Weight Category, Precedence of Rates and Charges, Valuation Charges, Charges , Collect Shipments, Disbursements, Other Charges and Fees, Rating Concept within Europe

Reference books:

- Introduction To The Air Transport System (Hb 2022) by Kalic M , CRC Press
- Air Transport Management: An International Perspective by Dr Lucy Budd and Stephenson, Taylor, and Francis
- Introduction to Air Transport Economics
- (Paperback) | Released: 08 Feb 2018
- By: Ken Fleming (Author) , Thomas Tacker (Author) , Bijan Vasigh (Author)

Teaching Pedagogy

Lectures/tutorials/fieldwork/outreach activities/ project work/ vocational training/viva/seminars / term papers/assignments/presentations/self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.

Allocation of 40 Marks---Internal evaluation

Method of evaluation	Total marks
Assignment/ Quiz/ Case Study/ Report on guest lecture/ activity	20
PowerPoint Presentation Preset criteria	20
TOTAL	40

Question No.	Particulars (Nature of Questions)	Marks (Given)	Marks (To Be Attempted)	
Q.1	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.2	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.3	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
TOTAL			60	

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2024-2025)**

1. Major Course II *

**1.A.b Multi-mode Transport Road Transport (Course Credit 3)
Semester III**

1.Major

1.A Course II

1.A.b Multi-mode Transport Road Transport (Course Credit 3)

Course Objectives and Course Outcomes

Course Objectives

CObj 1	To make the learner aware of International Conventions and National Laws in RoadTransport
CObj 2	To provide an in-depth explanation of the CMR Convention
CObj 3	To help learners explore Geography and Infrastructure in Road Transport
CObj 4	To appraise the learner of challenges and solutions in Road Transportation

Course Outcomes

COut 1	Ensures easy understanding of the duties and responsibilities of a shipper
COut 2	The learner acquires knowledge of the freight structure
COut 3	Enhances the learner's ability to deal with the issues related to Road transport
COut 4	Learner is abreast with the trends in road transport

Modules at a glance:

Sr. No.	Modules	No. of Lectures
1	Introduction, features, Geography, Documentation	15
2	Freight rate structure, Regulatory framework, challenges and optimization	15
3	Future Trends and Policy Landscape	15
Total		45

Sr. No.	Modules / Units
1	Introduction, Features, Geography, Documentation
	<p>Introduction to International Conventions and National Laws- Overview of international conventions governing road transport (e.g., CMR convention), Understanding national laws related to road transport and logistics, Features of the CMR Convention- In-depth exploration of the CMR convention and its significance in road transport, Analysis of carrier rights, duties, and responsibilities under CMR Geography of Land Transport and Infrastructure- Exploration of the Golden Quadrilateral, role in road transportation, Understanding the infrastructure related to common carrier and private carrier under national law Local and International Aspects of Road Transport-Examination of the local and international dimensions of road transport, challenges and opportunities in cross-border road logistics, documentation requirements in road transportation</p>
2	Freight rate structure, Regulatory framework, challenges and optimization
	<p>Freight Rate Structure- Analysis of freight rate structures and pricing mechanisms, Strategies for negotiating and managing freight rates, Settlement of Claims, and Risk Management- Understanding the process of settling claims in road transport, Risk management practices for mitigating potential challenges- Transportation of Dangerous and Hazardous Goods, Regulatory framework for transporting dangerous goods, Safety protocols and compliance measures for handling such cargo Problems with Road Transportation- Exploration of common issues such as customs procedures, uniform taxation policies, and octroi, Strategies for overcoming challenges and improving efficiency, National Highways, ICDs, and Roads, Detailed study of the Indian national highway network, ICDs, and road infrastructure, Practical insights into optimizing routes and utilizing transportation hubs effectively</p>
3	Future Trends and Policy Landscape
	<p>New Logistics Policy- Overview of the evolving logistics policy landscape, Analysis of the impact of new policies on road transport in multimodal logistics, Road Rail Vehicle System- Exploration of integrated road-rail transportation systems, Private Sector Participation and Emerging Technologies- role of the private sector in enhancing road transport, Emerging technologies shaping the future of road logistics, Carrier's Act, 1865, and Legal Aspects, Understanding the historical context and relevance of the Carrier's Act, 1865, Legal aspects and compliance requirements for carriers in modern road logistics</p>

Reference Books :

- Economics of the road transport author: Ravinder
- Management of road freight transport by Nick Poree
- Himachal Road Transport Corporation (HRTC) multipurpose. Vvk subburaj

Teaching Pedagogy

Use of technology, Chalk and Talk method, Role Play, Group discussions, Play learn method, case study analysis, Flip class, Quiz, management games.

Allocation of 40 Marks---Internal evaluation

Method of evaluation	Total marks
Assignment/ Quiz/ Case Study/ Report on guest lecture/ activity	20
PowerPoint Presentation Preset criteria	20
TOTAL	40

Paper pattern for written test of 60 Marks

Question No.	Particulars (Nature of Questions)	Marks (Given)	Marks (To Be Attempted)	
Q.1	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.2	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.3	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
TOTAL			60	

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2024-2025)**

1. Major Course II *

**1.A.c Multi-mode Transport Rail Transport (Course Credit 3)
Semester III**

1.Major	
1.A Course II	
1.A.c Multi-mode Transport Rail Transport (Course Credit 3)	
Course Objectives and Course Outcomes	
Course Objectives	
CObj 1	To understand the role of the shipper
CObj 2	To understand the concept of rate structure
CObj 3	To understand the means of transportation by rail
CObj 4	To create awareness about the railway's legal framework
Course Outcomes	
COout 1	Learners can appreciate the role of a carrier/shipper
COout 2	Learners have clarity about the rate structure
COout 3	Learner has acquired knowledge about rail transportation
COout 4	Ease in understanding of the legal framework that governs railways

Modules at a glance:

Sr. No.	Module	No. of Lectures
1	Legal Framework and Rail Infrastructure in Multimodal Transportation	15
2	Freight Dynamics and Operations in Rail Multimodal Transport	15
3	Containerized Rail Transport in India and Legal Landscape	15
	Total	45

Sr. No.	Modules / Units
1	Legal Framework and Rail Infrastructure in Multimodal Transportation
	<p>Carrier and Shipper Rights, Duties, and Responsibilities-legal aspects and responsibilities of carriers and shippers , infrastructure prerequisites for efficient rail multimodal transportation, Rail Infrastructure Components-details of rail infrastructure, encompassing tracks, terminals, and handling facilities, Documentation in Rail Multimodal Transport-essential documents integral to rail multimodal transport and verification, Overview of USA Intermodal Transport System- Comparative analysis of the USA system and its applicability to rail multimodal transport</p>
2	Freight Dynamics and Operations in Rail Multimodal Transport
	<p>Freight Rate Structures- Structures governing rail freight rates and factors influencing them, intricacies of freight rate determination, Groupage and Consolidation Services, Load consolidation optimization and enhanced operational efficiency, Unit Loads in Rail Transport, planning and managing unit loads in rail operations, Synergy between Rail and Road Transport, complementary roles of rail and road transport Strategies for seamless integration of rail and road operations , Claims Settlement and Transportation of Hazardous Goods- legal procedures for settling claims in rail transport, safety protocols and regulatory compliance for the transportation of hazardous goods by rail</p>
3	Containerized Rail Transport in India and Legal Landscape
	<p>Evolution of Containerized Rail Transport in India- Explore the historical development of containerized rail transport in India, Assess the role played by the Indian Railways Catering and Tourism Corporation (IRCTC) in fostering container transport, Roles and Functions of Inland Container Depots (ICDs)- functions and responsibilities of Inland Container Depots- Gain practical insights into optimizing container movements through ICDs, Container Corporation of India Limited (CONCOR) and Its Advancements- Survey the operations and contributions of the Container Corporation of India Limited (CONCOR) in containerized rail transport, Analyze the progress made by CONCOR in advancing the industry, Export and Import Procedures at ICDs- Thoroughly investigate the export and import procedures at Inland Container Depots, Examine the protocols for transshipment and transfer of containers in rail multimodal transport, The Railway Act, 1989: Introduction, Features, and Highlights. Gain an overview of The Railway Act, 1989, and its pivotal role in regulating rail transport, Explore the key features and highlights of the act, with a specific focus on its implications for multimodal logistics</p>

Reference Books:

- Changing Tracks – Reinventing the Spirit of Indian Railways by Author: V. Nilakant
- The Penguin Book of Indian Railway Stories by Author: Ruskin Bond
- Indian Railways – The Weaving of a National Tapestry by Bibek Debroy, Sanjay Chadha, Vidya Krishnamurthi

Teaching Pedagogy

Lectures/tutorials/fieldwork/outreach activities/ project work/ vocational training/viva/seminars/term papers/assignments/presentations/self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.

Allocation of 40 Marks---Internal evaluation

Method of evaluation	Total marks
Assignment/ Quiz/ Case Study/ Report on guest lecture/ activity	20
PowerPoint Presentation Preset criteria	20
TOTAL	40

Paper pattern for written test of 60 Marks

Question No.	Particulars (Nature of Questions)	Marks (Given)	Marks (To Be Attempted)	
Q.1	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.2	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.3	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
TOTAL			60	

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2024-2025)**

1. Minor Course I[#]

**2.A.a Packaging, Marking, and Labelling of Hazardous/Dangerous Cargo (Course Credit 3)
Semester III**

2. Minor	
2.A Course I	
2.A.a Packaging, Marking, and Labelling of Hazardous/Dangerous Cargo (Course Credit 3)	
Course Objectives and Course Outcomes	
Course Objectives	
CObj 1	Learn the fundamental functions of packaging,
CObj 2	Identify the responsibilities of freight forwarders in the packaging and marking goods.
CObj 3	Understand and apply guidelines for selecting appropriate packaging materials based on the nature of the cargo.
CObj 4	Grasp the classifications, handling, and storage regulations for dangerous goods as per IMO and UN standards
Course Outcomes	
COut 1	The learner understands the concepts related to the types of packaging used by the industry
COut 2	The learner is able to comprehend the importance of labelling and marking.
COut 3	The learner is aware of the classification of dangerous goods
COut 4	The learner knows about the role of the statutory bodies related to shipping and logistics and awareness about the contributions of the Indian Institute of Packaging

Modules at a glance:

Sr. No.	Module	No. of Lectures
1	Introduction to packaging, marking	15
2	Dangerous goods – Handling & Regulations	15
3	Documentation and Labeling	15
	Total	45

Sr.No	Modules / Units
1	Introduction to packaging, marking & labeling
	Packing, marking and special cargos Basic functions of packaging Freight forwarders responsibility for packaging and marking Guidelines on choice of packaging Information required for packaging Types of packaging for break-bulk cargo Packing principles related to cargo in containers Marking and labelling- Purpose of marking and labelling Standard shipping Marks Information Marks Cargo handling instructions Dangerous/hazardous cargo Simpler shipping Marks
2	Dangerous goods – Handling & Regulations
	IMO classification of dangerous goods, handling and storage of dangerous goods UN classification of dangerous goods, Convention for transport of dangerous goods. IMO/IMCO IMDG-CODE Guidelines for land transport of dangerous goods. Precautions during land transportation of dangerous goods.
3	Documentation and Labeling
	Specifications for „caution labeling“ of hazardous substances Guidelines for the transport of dangerous goods, documentation, packaging, and hazards of dangerous goods. Guidelines for transport of dangerous goods through combined freight, International Convention and standing of dangerous goods by road tanker vehicle, Indian Institute of packaging

Reference Books/ Links:

- Freight Forwarding and Multi-Modal Transport Contracts" by David Glass.
- "Handbook of Package Engineering" by Joseph F. Hanlon.
- "Dangerous Goods Regulations" by International Air Transport Association (IATA).
- "Hazardous Materials: Regulations, Response, and Site Operations" by Robert Burke.
- Emergency response guidebook

Teaching Pedagogy

Lectures/tutorials/field work/outreach activities/ project work/ vocational training/ viva / seminars / term papers/ assignments / presentations / self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.

Allocation of 40 Marks---Internal evaluation

Method of evaluation	Total marks
Assignment/ Quiz/ Case Study/ Report on guest lecture/ activity	20
PowerPoint Presentation Preset criteria	20
TOTAL	40

Paper pattern for written test of 60 Marks

Question No.	Particulars (Nature of Questions)	Marks (Given)	Marks (To Be Attempted)	
Q.1	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.2	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.3	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
TOTAL			60	

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2024-2025)
3. General /Open Electives
General Electives (GE)/ Open Elective (OE)
3.A.a Digitalization of Money Markets (3 Credits)
Semester III**

3. General /Open Electives	
General Electives (GE)/ Open Elective (OE)	
3.A.a Digitalization of Money Markets	
Course Objectives and Course Outcomes	
Course Objectives	
CObj 1	To enable learners to gain insights into the evolution of financial systems the impact of technology on money markets, and the role of digital currencies.
CObj 2	To understand practical applications and critical analysis of digitalization trends shaping Financial Landscapes.
CObj 3	To enable learners, to understand the concepts and the role of digital currencies.
Course Outcomes	
COout 1	The learner understands the basics of digitalization in finance.
COout 2	The learner understands the relationship between Fintech and its Impact.
COout 3	Learner develops skills to evaluate digital currencies and Blockchain Technology.
COout 4	There is awareness of the Regulatory framework and its challenges.
COout 5	The learner learns about Big Data and Analytics in Money markets.
COout 6	The learner is familiar with the digital concepts of money markets.
COout 7	There is better understanding of the framework of money market digitalization.
COout 8	The learner is aware of the tools and methodology involved in digitalization concepts.
COout 9	There is greater level of financial literacy.
COout 10	The learner is able to take informed investment decisions

Modules at a Glance

Digitalization of Money Markets		
Sr. No.	Modules	No. of Lectures
1	Foundations of Digital Money Markets	15
2	Digital Currencies and Blockchain Technology	15
3	Applications and Future Trends	15
Total No. of Lectures:		45

Sr. No.	Modules
1	Foundation of Digital Money Markets
	<ul style="list-style-type: none"> • Introduction to Money Markets • Basics of Digitalization in Finance • Historical Perspective on Money Markets • Fintech and its Impact
2	Digital Currencies and Blockchain Technology
	<ul style="list-style-type: none"> • Cryptocurrencies: Bitcoin, Ethereum, and beyond • Blockchain Technology and Distributed Ledger • Central Bank Digital Currencies (CBDCs) • Regulatory Frameworks and Challenges
3.	Applications and future trends
	<ul style="list-style-type: none"> • Digital Payment Systems • Smart Contracts and Decentralized Finance (DeFi) • Big Data and Analytics in Money Markets • Future Trends in Digital Money Markets

References Books:

- Digital Gold: Bitcoin and the Inside Story of the Misfits and Millionaires Trying to Reinvent Money" by Nathaniel Popper
- "The Age of Cryptocurrency: How Bitcoin and Digital Money are Challenging the Global Economic Order" by Paul Vigna and Michael J. Casey
- "Blockchain Basics: A Non-Technical Introduction in 25 Steps" by Daniel Drescher
- "The Basics of Bitcoins and Blockchains" by Antony Lewis

Digitalization of Money Markets

**Question Paper Pattern (Academic Year:
2024-25)**

Internal Examination & Semester End Examination – 40 Marks

B] Internals-20 Marks

Method of evaluation	Total marks
Practical Work	20
Assignment	20
TOTAL	40

C] Semester End Examination (SEE)- 60 Marks

Maximum Marks:60

Duration: 2 Hours

Question No.	Particulars (Nature of Questions)	Marks (Given)	Marks (To Be Attempted)
Q-1	Answer the following: Any 4		
	A. Theory/Concept-based question	5	20
	B. Theory/Concept-based question	5	
	C. Theory/Concept-based question	5	
	D. Theory/Concept-based question	5	
	E. Theory/Concept-based question	5	
Q-2	Answer the following: Any 4		
	A. Theory/Concept-based question	5	20
	B. Theory/Concept-based question	5	
	C. Theory/Concept-based question	5	
	D. Theory/Concept-based question	5	
	E. Theory/Concept-based question	5	
Q-3	Answer the following: Any 4		
	A. Theory/Concept-based question	5	20
	B. Theory/Concept-based question	5	
	C. Theory/Concept-based question	5	
	D. Theory/Concept-based question	5	
	E. Theory/Concept-based question	5	
	Total		60

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2024-2025)**

3. General /Open Electives

General Electives (GE)/ Open Elective (OE)

3.A,b Blockchain Technology (3 Credits)

Semester III

3. General /Open Electives	
General Electives (GE)/ Open Elective (OE)	
3.A,b Blockchain Technology	
Course Objectives and Course Outcomes	
Course Objectives	
CObj 1	To understand core concepts and technologies underlying blockchain technology
CObj 2	gain in-depth knowledge of cryptocurrencies, their fundamentals, and the surrounding ecosystem
CObj 3	To explore the diverse applications of blockchain technology across various sectors
Course Outcomes	
COut 1	Acquire knowledge of Fundamentals of Block chain and its different components
COut 2	Understand the role of cryptocurrencies and working of wallets
COut 3	Understand Role and how to implement Block chain in various sectors

Modules at a Glance:

Sr.No.	Modules	No. of Lectures
1	Block chain fundamentals	15
2	Cryptocurrency	15
3	Block chain Applications	15
	Total	45

Unit No.	Modules
1.	Block chain Fundamentals
	<p>Distributed Ledger Technology (DLT): Concept of DLT, its advantages over centralized databases, use of DLT in block chain</p> <p>Demystifying Block chain: Define Block chain, its core components (blocks, hash functions, consensus mechanisms), and the chain structure.</p> <p>Security and Transparency: Encryption and immutability inherent in block chain, Data security and transparent record-keeping.</p> <p>Consensus Mechanisms: Compare popular consensus mechanisms like PoW, PoS, and their impact on performance and energy consumption.</p> <p>DApps: Decentralized Applications, Ethereum dApps, Advantages and Disadvantages.</p>
2	Cryptocurrency
	<p>Introduction: History of Cryptocurrency, Types of Cryptocurrencies based on their purpose, consensus mechanisms, and unique features</p> <p>Understanding Cryptography and Mining: Cryptographic basis, Public Key, Private Key, Digital signatures, Mining process for securing transactions</p> <p>Wallets and Cryptocurrency Exchanges: Different types of cryptocurrency wallets (hot, cold, hardware) and explore centralized and decentralized exchanges for buying, selling, and trading digital assets</p> <p>Smart Contracts and DeFi Applications: Smart contracts for decentralized finance (DeFi), Applications like lending, borrowing, and trading on block chain platforms.</p>
3.	Block chain Applications
	<p>Financial Applications: Role of block chain in revolutionizing areas like cryptocurrencies, digital payments, and secure financial transactions.</p> <p>Supply Chain Management: Block chain to track and verify the provenance of goods, enhance transparency, and combat counterfeiting in supply chains.</p> <p>Healthcare and Identity Management: Block chain to secure patient data, facilitate medical record sharing, and enable secure digital identities.</p>

Reference Books:

- Elisa Bertino, Hai Jiang, Kuan-Ching Li, Xiaofeng Chen, “*Essentials of Block chain Technology*”, CRC Press, 2019
- E. Golden Julie, J. Jesu Vedha Nayahi, Noor Zaman Jhanjhi, “*Block chain Technology Fundamentals, Applications, and Case Studies*”, CRC Press, 2020
- Quinn DuPont, “*Cryptocurrencies and Blockchains*”, Polity Press, 2019
- Anita Ravani, Sashi Edupuganti, Jeannette Pugh, Sooraj Sushama, “*Applications of Block chain Technology An Industry Focus*”, CRC Press, 2024

Teaching Pedagogy

Lectures/tutorials/fieldwork/outreach activities/ project work/ vocational training/viva/seminars/term papers/assignments/presentations/self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.

Allocation of 40 Marks---Internal evaluation

Method of evaluation	Total marks
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TOTAL	40

Paper pattern for written test of 60 Marks

Question No.	Particulars (Nature of Questions)	Marks (Given)	Marks (To Be Attempt ed)	
Q.1	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.2	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.3	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
TOTAL			60	

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2024-2025)
3. General /Open Electives
General Electives (GE)/ Open Elective (OE)
3.A.c Data Visualization using Power BI (3 Credits)
Semester III**

3. General /Open Electives	
General Electives (GE)/ Open Elective (OE)	
3.A.b Data Visualization using Power BI	
Course Objectives and Course Outcomes	
Course Objectives	
Cobj 1	To Learn how to integrate Excel and Power BI
Cobj 2	To learn different usage of Power Bi Reporting
Cobj 3	To learn how to manage relationships between data
Cobj 4	To learn about filters and dashboards in Power BI
Course Outcomes	
COout 1	Learner should acquire knowledge of using Power Bi with Excel
COout 2	Learners should be able to aggregate data in one location saving time and effort
COout 3	Learners should be able to use different filters Power BI
COout 2	Learners should be able to create visualizations to display the analytics you need to answer crucial business questions
COout 3	Learners should be able to create a dashboard for KPI growth tracking

Modules at a glance

Data Visualization using Power BI		
Sr. No.	Modules	No. of Lectures
1	Introduction to Power BI	15
2	Data Modeling	15
3	Filters and Dashboards	15
Total		45

Sr. No.	Modules
1	Introduction to Power BI
	BI Reporting, parts of Power BI, architecture of Power BI, Power BI Components, Licensing in Power BI, overview on creation of report Transformation of imported data, use of query editor for shaping data, combinedata from multiple sources, Apply filter on data in query editor / Parameter based filtering, Power BI query editor functionalities
2	Data Modeling
	How to manage your data relationships, Data modeling, Cardinality options/ Types of relationships, Calculated measures, Difference between calculated column and measures, Evaluation of measures, Creationof calculated table, Creation of master calendar table, Explore time-based data, Exploring Drill down functionality of data Creation of Custom hierarchy apart from date hierarchy
3	Filters and Dashboards
	Types of Filters, applying Filter to a Visual, applying Filter to a Page Applying Filter to a Report, How to manage action of visuals onto another visual/ Edit interactions, managing RLS(Row level security) in PowerBI, Manage Roles, page navigation in Power BI Make use of bookmarks, Clearing drill through, Clearing slicer, KPI Identification, Dashboard Design Principles, Clarity and Hierarchy

Practical Work (20 Marks)

Practical Work (20 Marks)	
List of Practicals to be Conducted	
1.	Data Acquisition and Cleaning
	a. Excel PivotTables & Power Query b. Data Cleansing in Power Query c. Merge & Filter in Power Query
2.	Data Modelling
	a. Relationship Diagram tool b. Calculated Columns & Measures c. Dates in Power BI
3.	Visual Storytelling with Power BI
	a. Dashboard Design b. Slicers and report filters in Power BI c. Choosing Maps and Chart acc to data
4.	Navigation and Collaboration:
	a. Bookmarks & Drill Down b. Excel Linkages c. Power BI Service Sharing
5.	KPI Dashboard
	a. Identify and Define KPIs b. Create a Dashboard using appropriate Visualizations c. Use conditional Formatting

Question Paper Pattern (Academic Year: 2024-2025)
Semester End Examination and Practical Examination – 100 Marks
SEMESTER III
A] Semester End Examination (SEE)- 60 Mark

Maximum Marks: 60

Duration: 2 Hours

- Note: 1. All questions are compulsory.**
2. All questions carry equal marks.

Question No.	Particulars (Nature of Questions)	Marks (Given)	Marks (To be Attempted)
Q1.	Answer the following questions (Any 4) A. Theory/Concept Based question B. Theory/Concept Based question C. Theory/Concept Based question D. Theory/Concept Based question E. Theory/Concept Based question	5 5 5 5 5	20
Q2.	Answer the following questions (Any 4) A. Theory/Concept Based question B. Theory/Concept Based question C. Theory/Concept Based question D. Theory/Concept Based question E. Theory/Concept Based question	5 5 5 5 5	20
Q3.	Answer the following questions (Any 4) A. Theory/Concept Based question B. Theory/Concept Based question C. Theory/Concept Based question D. Theory/Concept Based question E. Theory/Concept Based question	5 5 5 5 5	20

B] Practical Examination - 40 Marks**A Certified copy journal is essential to appear for the practical examination.**

1.	Practical Work	20
2.	Journal	10
3.	Viva Voce	10

Books and References:

Sr. No.	Title	Author/s	Publisher	Edition	Year
1	Power BI Data Analysis and Visualization	Suraj Gaurav, Suren Machiraj	De G Press	_	2018
2	Analyzing Data with Power BI and Power Pivot for Excel	Alberto Ferrari	Microsoft Press	First	2017
3	Basics of Power BI Modeling	Reza Rad	Radacad Systems Ltd.	_	2020
4	Power BI Data Analysis and Visualization	Suraj Gaurav, Suren Machiraj	De G Press	_	2018

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2024-2025)
4. Vocational & Skill Enhancement Courses (VSEC)**

4.A Vocational Enhancement Course (VSC)

**4.A.a Organization and Financial Aspects of a Multimodal Transport Operator – II (3 Credits)
Semester IV**

4. Vocational & Skill Enhancement Courses (VSEC)	
4.A Vocational Enhancement Course (VSC)	
4.A.a Organization and Financial Aspects of a Multimodal Transport Operator – II (3 Credits)	
Course Objectives and Course Outcomes	
Course Objectives	
CObj 1	To enable the learner to get an insight into the structure followed by an organization
CObj 2	To ensure in-depth learning of the aspects of finance and administration
CObj 3	To understand the process and procedures related to the valuation of the performance of all investments
Cobj 4	To nurture leaders to enhance their management skills
Course Outcomes	
COut 1	Ensures the understanding of different business derivatives of a MTO.
	Enhances a possibility of acquiring in-depth knowledge of start up as a MTO.
COut 2	Learner acquires knowledge on deeper aspects of Accounting conventions & ratios.
COut 3	Learner evolves as a leader with better understanding of all aspects of management and leadership
COut 4	Ensures the understanding of different business derivatives of a MTO.

Modules at a glance

Sr.No.	Modules	No. of Lectures
1	Organizational Management functions, Structure	15
2	Financial Performance and Administration	15
3	Evaluation of Performance	15
	Total	45

Sr. No.	Modules / Unit
1	Organizational Management functions , Structure
	<ul style="list-style-type: none"> – Establishment of MTO Operations – Contracting – Delegation of Responsibility – Decision Making – Management and Leadership – Quality Service – Customer Service
2	Financial Performance and Administration
	<ul style="list-style-type: none"> – Quoting – Liquidity Ratios – Working Capital or Net Current Assists – Accounting Conventions – Management of Working Capital
3	Evaluation of Performance
	<ul style="list-style-type: none"> – Financial Performance ROI/ROCE – Financial Control – New Projects – Evaluation of Performance

Reference books:

- Elements of Financial Management by Dr R P Rustagi
- Financial Analysis For Beginners by Dr Shivashankaran
- Financial Administration In India 2Nd Edition by Mahajan Sanjeev Kumar
Mahajan Anupama Puri, Phi Learning

Teaching Pedagogy

Lectures/tutorials/field work/outreach activities/ project work/ vocational training/ viva / seminars / term papers/ assignments / presentations / self-study/case studies etc. or a combination of someof these. Sessions shall be interactive in nature to enable peer group learning.

Allocation of 40 Marks---Internal evaluation

Method of evaluation	Total marks
Assignment/ Quiz/ Case Study/ Report on guest lecture/ activity	20
PowerPoint Presentation Preset criteria	20
TOTAL	40

Paper pattern for written test of 15 Marks

Question No	Particulars	Total marks
Q.1	Question based on theory/concept taught. (Any Two out of Three)	10
	OR	
	Application based question	
Q.2	Write short note (Any One out of Two)	5
TOTAL		15

Paper pattern for written test of 60 Marks

Question No.	Particulars (Nature of Questions)	Marks (Given)	Marks (To Be Attempted)	
Q.1	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.2	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.3	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
TOTAL			60	

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2024-2025)**

5. Ability Enhancement Courses, Value Enhancement Course, Indian Knowledge System

5.A Ability Enhancement Course (AEC)

5.A.a Marathi-I (3 Credits)

Semester III

Course Objectives:
1. To create curiosity in the minds of learners about the chosen language
2. To help the learners understand the need to learn the chosen language
3. To introduce learners to the structure of the chosen language
4. To understand the richness of Indian selected languages with reference to consonants and vowels
5. To understand unique characteristics of the chosen language
6. To understand the use of gender and tenses
7. To understand the use of idioms and phrases
8. To know the various dialects of the chosen language
9. To understand the application of technology for communication by alternatively abled
10. To understand the need of learning functional language
11. To get familiarized with the literature of the chosen language
12. To get familiarized with the literature translated to the chosen language from other languages
13. To learn to appreciate the other literary forms of the chosen language
Course Outcome:
1. The learner will be curious to learn the chosen language
2. The learner will be able to understand the need to learn the chosen language
3. The learner will get familiar with the structure of the chosen language
4. To understand the richness of Indian selected languages with reference to constants and vowels
5. To understand unique characteristics of the chosen language
6. To understand the use of gender and tenses
7. To understand the use of idioms and phrases
8. To know the various dialects of the chosen language
9. To understand the application of technology for communication by alternatively abled
10. To understand the need of learning functional language
11. To get familiarized with the literature of the chosen language
12. To get familiarized with the literature translated to the chosen language from other languages
13. To learn to appreciate the other literary forms of the chosen language

Modules at Glance

Linguistic Studies I

Module. No.	Modules	No. of Lectures
1.	Introduction to Linguistic Studies	10
2.	Languages in Communication	10
3.	Marathi Literature	10
	Total	30

Sr. No.	Modules	No. of Lectures
1.	Introduction to Linguistic Studies	10
	<ul style="list-style-type: none"> • Structure of languages • English language compared with the select Indian languages – viz, Marathi, Hindi and Sanskrit • Richness of Indian languages with reference to Vowels, consonants (maatras) • Rhythmic characteristic of Indian languages. • Unique characteristics of language (such as Repeat words like Sarsarahat) • Logic behind numbers in regional languages • Use of Tenses and Gender 	
2.	Languages in Communication	10
	<ul style="list-style-type: none"> • Use of Idioms and Phrases • Oral and Written • Dialects • Communication for alternatively abled • Use of Sign language • Language learning – Use of Technology • Need for learning functional language 	
3.	Select Studies in the chosen Language (Sanskrit/Marathi/Hindi)	10
	<ul style="list-style-type: none"> • The faculty member shall discuss with the learners about the richness of literature of chosen language. Subsequently the entire class will choose two authors and two poets. The chosen literary work needs to be read and discussed in the class. Based on this module, internal evaluation shall be done. 	
	Total	30

Total marks: 50

Evaluation Pattern- 60:40

Internal Evaluation: 20 Marks

The faculty will decide the means of taking internal evaluation. It can be oral quiz, dialogue exchange, role play, reading comprehension, listening comprehension etc.

External evaluation:

Marks: 30

Duration: 1 hours

Note: (1) All questions are compulsory

(2) The learners can write answers in the chosen language or in English/Marathi/Hindi

Question No.	Particulars (Nature of question)	Marks
Questions with sub questions	Flexibility is given to the faculty to decide the paper pattern and depending on learner's ability will design the question paper. It can contain questions like identifying or changing gender, identifying or changing tenses, making rhythmic words, answer in one sentence etc.	30
	Total	30

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2024-2025)**

5. Ability Enhancement Courses, Value Enhancement Course, Indian Knowledge System

5.A Ability Enhancement Course (AEC)

5.A.a Hindi-I (3 Credits)

Semester III

Course Objectives:
1. To create curiosity in the minds of learners about the chosen language
2. To help the learners understand the need to learn the chosen language
3. To introduce learners to the structure of the chosen language
4. To understand the richness of Indian selected languages with reference to consonants and vowels
5. To understand unique characteristics of the chosen language
6. To understand the use of gender and tenses
7. To understand the use of idioms and phrases
8. To know the various dialects of the chosen language
9. To understand the application of technology for communication by alternatively abled
10. To understand the need of learning functional language
11. To get familiarized with the literature of the chosen language
12. To get familiarized with the literature translated to the chosen language from other languages
13. To learn to appreciate the other literary forms of the chosen language
Course Outcome:
1. The learner will be curious to learn the chosen language
2. The learner will be able to understand the need to learn the chosen language
3. The learner will get familiar with the structure of the chosen language
4. To understand the richness of Indian selected languages with reference to constants and vowels
5. To understand unique characteristics of the chosen language
6. To understand the use of gender and tenses
7. To understand the use of idioms and phrases
8. To know the various dialects of the chosen language
9. To understand the application of technology for communication by alternatively abled
10. To understand the need of learning functional language
11. To get familiarized with the literature of the chosen language
12. To get familiarized with the literature translated to the chosen language from other languages
13. To learn to appreciate the other literary forms of the chosen language

Modules at Glance

Linguistic Studies I

Module. No.	Modules	No. of Lectures
1.	Introduction to Linguistic Studies	10
2.	Languages in Communication	10
3.	Hindi Literature	10
	Total	30

Sr. No.	Modules	No. of Lectures
1.	Introduction to Linguistic Studies	10
	<ul style="list-style-type: none"> • Structure of languages • English language compared with the select Indian languages – viz, Marathi, Hindi and Sanskrit • Richness of Indian languages with reference to Vowels, consonants (maatras) • Rhythmic characteristic of Indian languages. • Unique characteristics of language (such as Repeat words like Sarsarahat) • Logic behind numbers in regional languages • Use of Tenses and Gender 	
2.	Languages in Communication	10
	<ul style="list-style-type: none"> • Use of Idioms and Phrases • Oral and Written • Dialects • Communication for alternatively abled • Use of Sign language • Language learning – Use of Technology • Need for learning functional language 	
3.	Select Studies in the chosen Language (Sanskrit/Marathi/Hindi)	10
	<ul style="list-style-type: none"> • The faculty member shall discuss with the learners about the richness of literature of chosen language. Subsequently the entire class will choose two authors and two poets. The chosen literary work needs to be read and discussed in the class. Based on this module, internal evaluation shall be done. 	
	Total	30

Total marks: 50

Evaluation Pattern- 60:40

Internal Evaluation: 20 Marks

The faculty will decide the means of taking internal evaluation. It can be oral quiz, dialogue exchange, role play, reading comprehension, listening comprehension etc.

External evaluation:

Marks: 30

Duration: 1 hours

Note: (1) All questions are compulsory

(2) The learners can write answers in the chosen language or in English/Marathi/Hindi

Question No.	Particulars (Nature of question)	Marks
Questions with sub questions	Flexibility is given to the faculty to decide the paper pattern and depending on learner's ability will design the question paper. It can contain questions like identifying or changing gender, identifying or changing tenses, making rhythmic words, answer in one sentence etc.	30
	Total	30

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2024-2025)**

**6. Internship / Field Project / Research Project / Community Engagement
(02 credits)
Semester III**

. Internship / Field Project / Research Project / Community Engagement

**Foundation of Research Skills (Internship/Field Project/Research Project/Community
Engagement) (02 credits)**

**CRITERIA FOR EVALUATING POWER POINT PRESENTATION/CASE STUDY/ APPLICATION
BASED ACTIVITY:**

MARKS: 20

FY/SY/TY BBA: Division A/B

Semester: _____

Name of the Topic				Date of Presentation:			
Sr. No	Roll No	Name of the student	Content (5)	Team building (5)	Presentation skills		Total (20)
					Verbal (5)	Non Verbal (5)	
1							
2							
3							
4							

Sign: 1 _____ 2. _____ 3. _____ 4. _____ Faculty Sign: _____

Name of the Topic				Date of Presentation:			
Sr. No	Roll No	Name of the student	Content (5)	Team building (5)	Presentation skills		Total (20)
					Verbal (5)	Non Verbal (5)	
1							
2							
3							
4							

Sign: 1 _____ 2. _____ 3. _____ 4. _____ Faculty Sign: _____

Name of the Topic				Date of Presentation:			
Sr. No	Roll No	Name of the student	Content (5)	Team building (5)	Presentation skills		Total (20)
					Verbal (5)	Non Verbal (5)	
1							
2							
3							
4							

Sign: 1 _____ 2. _____ 3. _____ 4. _____ Faculty Sign: _____

S P Mandali's
**R. A. PODAR COLLEGE OF COMMERCE AND
ECONOMICS (AUTONOMOUS)**
Matunga, Mumbai- 400019

Syllabus
And
Question paper pattern

**Bachelor of Business Administration
(Shipping and Logistics Management)**

S.Y.B.B.A Semester III & IV

Syllabus as per National Education Policy 2020
To be implemented for Academic Year 2024-2025

www.rapodar.ac.in

**Bachelor of Business Administration
(Shipping & Logistics Management)**

**Syllabus as per National Education policy
2020**

Course Structure
S.Y.B.B.A (Level 5)

(To be implemented from Academic year 2024-2025_

Program Specific Outcomes SYBBA

Program Specific Outcomes No.	At the end of the program, learners will be able to
PSO 1	Students understand fundamental logistics principles, including transportation modes, intermediaries' roles, and freight forwarding.
PSO 2	Learners are capable of applying analytical reasoning to propose solutions for scenarios like route optimization, inventory control, and transportation logistics.
PSO 3	Learners can analyze economic factors impacting logistics decision-making, such as demand, supply, and pricing changes.
PSO 4	Students are able to assess the effectiveness of mathematical and statistical techniques in solving shipping and logistics problems.
PSO 5	Learners develop a comprehensive conceptual model illustrating the flow of goods in logistics.
PSO 6	Students are equipped with effective communication skills in written reports and oral presentations for conveying complex concepts clearly in various languages.
PSO 7	Students explore international maritime laws, trade regulations, and compliance requirements governing the shipping industry.
PSO 8	Learners analyse logistics scenarios using critical thinking skills and apply self-directed learning for continuous improvement.
PSO 9	Students understand cultural nuances, technological developments, and their impact on logistics operations.
PSO 10	Gain knowledge of different transportation modes, their documentation, and their economic, environmental, and global trade influences.
PSO 11	Develop cargo management strategies considering specialized cargo types, global regulations, and sustainability practices.
PSO 12	Based on knowledge of various concepts implement real-time tracing mechanisms using advanced technologies for enhanced tracking accuracy and responsiveness in shipments.
PSO 13	Learners analyse and integrate emerging technologies like autonomous vehicles and IoT applications for increased efficiency in logistics operations.
PSO 14	Students apply scientific reasoning for advanced optimization techniques in warehousing operations, incorporating robotics, automation, and smart technologies.
PSO 15	Learners are capable of applying moral and ethical reasoning in evaluating and recommending comprehensive insurance strategies for mitigating risks in global logistics operations, patents and innovations in products and business procedures.

No. of courses	Course Code	Semester IV	Credits
		Elective Courses (EC)	
1		Discipline Specific Elective (DSE) Courses (Major)	
1.A.a	PUE104201	Warehousing & Supply Chain Management	03
1.A.b	PUE104202	Tracing Mechanism & Data Analysis	03
1.A.c	PUE104203	Insurance in Shipping & Logistics	03
2		Discipline Specific Elective (DSE) Courses (Minor)	03
2.A.a	PUE204201	International conventions, TRA commercial laws and rules	
3		General Elective/ Open Elective	03
3.A.a	PUD304201	Digitalization of Capital markets	
3.A.b	PUD304202	Family Business Enterprise	
3.A.c	PUD304203	Robotic Process Automation	
4		Vocational Skill Enhancement Courses (VSC)	03
4.A.a	PUE404201	Technology and Innovation in Shipping and Logistics	
5		Ability Enhancement Course	02
		Linguistic Studies-II	
5.A.a	PUA504201	Sanskrit-II	
5.A.b	PUA504202	Marathi-II	
5.A.c	PUA504203	Hindi-II	
6		Field project/Apprenticeship/community engagement & services Value Enhancement Course(VEC)	02
6.A.a	PUA604201	Foundation of Research Skills (Internship)	
6.A.b	PUA604202	Foundation of Research Skills (Research Project)	
6.A.c	PUA604203	Foundation of Research Skills (Field project)	
		Total Credits	22

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2024-2025)**

1. Major Course I

**1.A.a Warehousing and Supply Chain (Course Credit 3)
Semester IV**

1.Major	
1.A Course I	
1.A.a Warehousing and Supply Chain (Course Credit 3)	
Course Objectives and Course Outcomes	
Course Objectives	
CObj 1	To enable the learner to comprehend the nuances of warehousing
CObj 2	To enable the understanding of the impact of righteousness in the discharge of duties by a warehouse operator
CObj 3	To create an interest in a career in logistics
CObj 4	To comprehend the trends in E e-logistics
CObj 5	To enable the learner to comprehend the nuances of warehousing
Course Outcomes	
COut 1	The learner understands the nuances of the importance of Strategic Warehousing.
COut 2	The learner is acquainted with a variety of forecasting methods, inventory management, and appropriate costing methods.
COut 3	There is keen interest in exploring Supply chain operations
COut 4	There is a thrust towards promoting entrepreneurship

Modules at a Glance

Sr. No.	Module	No. of Lectures
1	Introduction to warehousing	15
2	Forecasting, Inventory management, and Costing	15
3	Concept of Supply Chain Management	15
	Total	45

Sr. No.	Modules / Units
1	Introduction to warehousing
	<p>Need, importance, development of warehousing, Warehousing logistics operations (duties of warehouse operator, customer)</p> <p>Warehouse layout and design (Types, Number, and size of warehouses)</p> <p>Warehouse documentation</p> <p>Trends (Trends in logistics and supply chain management – E logistics, Golden Quadrilateral, Logistical Parks, Container Freight stations, Deepwater ports, Dedicated Freight corridor, Global logistical trends)</p>
2	Forecasting, Inventory management and Costing
	<p>Forecasting- objectives, approaches, techniques (Numerical on simple moving average, Weighted moving average)</p> <p>Inventory- Types, functions, Replenishment systems, Selective inventory control techniques, EOQ model</p> <p>Costing- Total cost approach Activity-based and Mission based costing and its relevance to Logistical operations</p>
3	Concepts of Supply Chain Management
	<p>Objectives, drivers and strategies, challenges and key issues in Supply chain management, Bullwhip effect</p> <p>Role of IT, framework (Barcoding, SAP/RFID)</p> <p>Green Supply chain management</p> <p>Startup options</p>

Reference Books:

- Excellence in Warehouse Management: How to minimize Costs and maximize Value
- World-Class Warehousing and Material Handling *By Edward Frazelle*
- The Warehouse Management Handbook *By James A. Tompkins & Jerry D. Smith*

Teaching Pedagogy

Lectures/tutorials/fieldwork/outreach activities/ project work/ vocational training/ viva / seminars/term papers/assignments/presentations/self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.

Allocation of 40 Marks---Internal evaluation

Method of evaluation	Total marks
Assignment/ Quiz/ Case study/ Report writing (Guest Lecture)	20
Power Point Presentation-Pre-set criteria	20
TOTAL	40

Paper pattern for written test of 60 Marks

Question No.	Particulars (Nature of Questions)	Marks (Given)	Marks (To Be Attempted)	
Q.1	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.2	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.3	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
TOTAL			60	

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2024-2025)**

1. Major Course I

**1.A.b Tracing Mechanism & Data Analysis (Course Credit 3)
Semester IV**

1.Major	
1.A Course I	
1.A.a Tracing Mechanism & Data Analysis (Course Credit 3)	
Course Objectives and Course Outcomes	
Course Objectives	
CObj 1	To provide insight about the procedures involved in tracing the shipment
CObj 2	To ensure that the learner understands the nuances of the tracking mechanism
CObj 3	To enable the learner to relate to the concept of real time data
CObj 4	To create awareness about the reporting processes
Course Outcomes	
COut 1	Able to differentiate between various tracing technologies, evaluate their advantages and disadvantages, and make informed decisions on their application in logistics.
COut 2	Proficient in employing various data collection methods, utilizing tools, implementing techniques for data storage, cleaning, and transformation for meaningful analysis.
COut 3	Capable of monitoring shipments effectively, optimizing route planning and delivery schedules, and identifying cost-saving opportunities to streamline logistics operations

Modules at a Glance

Sr.No.	Modules	No. of Lectures
1	Unveiling the Power of Tracing Mechanisms	15
2	Navigating the Sea of Logistics Data	15
3	Optimizing Logistics Operations	15
	Total	45

Unit No.	Modules
1.	Unveiling the Power of Tracing Mechanisms
	Understanding the landscape and the importance of efficient operations, Demystifying GPS, RFI emerging tools, Advantages & Disadvantages of Tracing Mechanisms – Weighing the benefits a of each technology, Addressing ethical considerations and regulations surrounding data collection
2.	Navigating the Sea of Logistics Data
	Identifying the data goldmine within operations, Exploring data collection methods and tools for accurate information capture. Techniques for data storage, cleaning, and transformation to ensure effective analysis, Creating a repository for insightful data analysis
3.	Optimizing Logistics Operations (6 Lectures)
	Analyzing Shipment Status and tracking Data (Monitoring shipments effectively and making informed decisions), Key Performance Indicators (KPIs) for logistics Success, Optimizing Route Planning and delivery Schedules, Leveraging data analysis to uncover hidden cost- saving opportunities and streamline operations

Recommended Books:

- "Internet of Things: Principles and Paradigms" by Rajkumar Buyya, Amir Vahid Dastjerdi.
- "RFID Essentials" by Bill Glover, Himanshu Bhatt.
- "The Second Machine Age: Work, Progress, and Prosperity in a Time of Brilliant Technologies" by Erik Brynjolfsson, Andrew McAfee.
- "Supply Chain Management for Dummies" by Daniel Stanton.
- "Lean Thinking: Banish Waste and Create Wealth in Your Corporation" by James P. Womack, Daniel T. Jones.
- "Data-Driven: Creating a Data Culture" by Hilary Mason, DJ Patil

Teaching Pedagogy

Lectures/tutorials/field work/outreach activities/ project work/ vocational training/ viva / seminars / term papers/ assignments / presentations / self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.

Allocation of 40 Marks---Internal evaluation

Method of evaluation	Total marks
Assignment/ Quiz/ Case study/ Report writing (Guest Lect)	20
PowerPoint Presentation-Pre-set criteria/ Report on guest lecture/ Activity	20
TOTAL	40

Paper pattern for written test of 60 Marks

Question No.	Particulars (Nature of Questions)	Marks (Given)	Marks (To Be Attempted)	
Q.1	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.2	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.3	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
TOTAL			60	

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2024-2025)**

1. Major Course I

**1.A.c Insurance in Shipping & Logistics (Course Credit 3)
Semester IV**

1.Major	
1.A Course I	
1.A.c Insurance in Shipping & Logistics (Course Credit 3)	
Course Objectives and Course Outcomes	
Course Objectives	
CObj 1	To provide a basic understanding of the principles of cargo insurance.
CObj 2	To enable the learner to identify the magnitude of risk and thereby ascertain the insurance cover.
CObj 3	To get acquainted with the basic concepts related to insurance claims.
CObj 4	To know more about the application and settlement of claims.
Course Outcomes	
COut 1	This learner is aware of the procedure to claim insurance.
COut 2	The student is acquainted about the maritime frauds and the remedies available.
COut 3	It ensures focus on understanding the ways to reduce the risk of container crimes.
COut 4	It ensures contribution of the learner in the field of shipping and logistics as there is practical exposure

Modules at a Glance

Sr. No.	Modules	No. of Lectures
1	Introduction to Cargo Insurance	15
2	Transport Insurance	15
3	Settlement of Claims	15
TOTAL		45

SrNo	Modules/ Units
1	Introduction to Cargo Insurance
	Cargo Insurance Marine Insurance
2	Transport Insurance
	Types of Coverage – Particular, Average, General Average – Concept and application Insurance related issues and remedies Liability Insurance Policy Maritime Frauds and Container Crimes
3	Settlement of Claims
	Liability Insurance Types of Liability Insurance Insurance and Trading Conditions

Recommended Books-

1. "Marine Insurance: Origins and Institutions, 1300-1850" by Adrian Leonard
2. "Maritime Insurance Law Review" by Thomas H. Dickinson and Paul Myburgh
3. "Marine Insurance Law" by Ozlem Gurses
4. "Insurance in the Maritime World" by Baris Soyer and Andrew Tettenborn
5. "Marine Insurance: The Law in Transition" by Baris Soyer, Andrew Tettenborn, and Philip Mead
6. Shipping & Insurance – Suneera K.

Teaching Pedagogy

Lectures/tutorials/field work/outreach activities/ project work/ vocational training/ viva / seminars / term papers/ assignments / presentations / self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.

Allocation of 40 Marks---Internal evaluation

Method of evaluation	Total marks
Assignment/ Quiz/ Case study/ Report writing (Guest Lect)	20
PowerPoint Presentation-Pre-set criteria/ Report on guest lecture/ Activity	20
TOTAL	40

Paper pattern for written test of 60 Marks

Question No.	Particulars (Nature of Questions)	Marks (Given)	Marks (To Be Attempted)	
Q.1	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.2	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.3	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
TOTAL			60	

**Syllabus of courses of SYBBA Programme
(With effect from the Academic Year 2024-2025)**

2. Minor (Allied Course III)

**2.A.a. International Conventions TR Commercial laws and rules
(3 Credits)**

Semester III

2. Minor	
2.A	
2.A.a International Conventions TR Commercial laws and rules (Course Credit 3)	
Course Objectives and Course Outcomes	
Course Objectives	
CObj 1	To enable the learner to understand the role of conventions in Shipping and Logistics
CObj 2	To educate the learner on the rules that govern the sector
CObj 3	To acquaint the learner with the applicable commercial laws
CObj 4	To ensure that the student is aware of the international terms
Course Outcomes	
COut 1	The learner understands the role of international conventions and appreciates the value addition done
COut 2	The learner appreciates the need for compliance in shipping and Logistics
COut 3	the learner can apply the laws and can understand and analyze the situation
COut 4	The learner is acquainted with INCOTERMS 2020 and UCP 600

Sr. No.	Modules	No. of Lectures
1	International Convention	15
2	International Maritime Rules	15
3	Commercial Laws	15
Total		45

Sr. No.	Modules / Units
1	International Convention
	International Maritime convention- <ul style="list-style-type: none"> • SOLAS convention • Intl convention for Prevention of pollution from ships • Convention for Standard of training, certification, and watchkeeping for seafarers • Maritime labor convention INCOTERMS 2020 and UCP 600
2	International Maritime Rules
	Hauge Visby Rules Hamburg Rules UN Convention on the carriage of Goods by sea 1978 ATA Carnet
3	Commercial Laws
	Indian Bill of Lading Act, 1856 Indian Carriage of Goods by Sea Act, 1925 Multimodal Transportation of Goods Act, 1993 (Amended) Carriers Act, 1865

Reference books:

- International law by Dr Gurdip Singh
- Mercantile and commercial laws by Rohini Agarwal
- Advanced introduction to international trade law 2nd edition
- Martial law and procedure for finding of appeals by Ram Dutta Sharma

Teaching Pedagogy

Lectures/tutorials/fieldwork/outreach activities/ project work/ vocational training/viva/seminars/term papers/assignments/presentations/self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.

Allocation of 40 Marks---Internal evaluation

Method of evaluation	Total marks
Written Test	15
PowerPoint Presentation-Pre-set criteria/ Report on guest lecture/ activity	25
TOTAL	40

Paper pattern for written test of 60 Marks

Question No.	Particulars (Nature of Questions)	Marks (Given)	Marks (To Be Attempt ed)	
Q.1	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.2	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.3	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
TOTAL			60	

**Syllabus of courses of SY BBA. Programme
(With effect from the Academic Year 2023-2024)**

General / Open Electives

3 A. General Electives (GE) / Open Electives (OE)

3.A.a.Digitalization of Capital Markets(3 Credits)

Semester IV

3. General /Open Electives	
General Electives (GE)/ Open Elective (OE)	
3.A.a Digitalization of Capital Markets	
Course Objectives and Course Outcomes	
Course Objectives	
CObj 1	To enable learners to examine the impact of digitization on traditional capital market structures.
CObj 2	To create awareness about regulatory challenges and emerging trends in the financial industry.
CObj 3	To enable learners to get familiar with digital securities and tokenization.
Course Outcomes	
COut 1	The learner learns about digital transformation of capital markets.
COut 2	The learner is able to understand the integration of technology in financial instruments, trading platforms, and investment strategies.
COut 3	The learner understands the basics of digitalization in finance.
COut 4	The learner understands the relationship between Fintech and its Impact.
COut 5	There is awareness of the Regulatory framework and its challenges.
COut 6	The learner is familiar with the digital concepts of money markets.
COut 7	There is better understanding of the framework of capital market digitalization.
COut 8	The learner is aware of the tools and methodology involved in digitalization concepts.
COut 9	There is greater level of financial literacy.
COut 10	The learner is able to take informed investment decisions

Digitalization of Capital Markets		
Sr. No.	Modules	No. of Lectures
1	Fundamentals of Capital Markets in the Digital Age	15
2	Digital Securities and Tokenization	15
3	Algorithmic Trading and Quantitative Finance	15
Total No. of Lectures:		45

Q-2	Answer the following: Any 4		
	A. Theory/Concept-based question	5	20
	B. Theory/Concept-based question	5	
	C. Theory/Concept-based question	5	
	D. Theory/Concept-based question	5	
	E. Theory/Concept-based question	5	
Q-3	Answer the following: Any 4		
	A. Theory/Concept-based question	5	20
	B. Theory/Concept-based question	5	
	C. Theory/Concept-based question	5	
	D. Theory/Concept-based question	5	
	E. Theory/Concept-based question	5	
	Total		60

- **References Books:**

- "Flash Boys: A Wall Street Revolt" by Michael Lewis
- "Digital Asset Markets: The Definitive Guide to Cryptocurrencies" by Antony Lewis
- "The FinTech Book: The Financial Technology Handbook for Investors, Entrepreneurs and Visionaries" by Susanne Chishti and Janos Barberis
- "Quantitative Finance For Dummies" by Steve Bell
- "Capital Markets: Institutions, Instruments, and Risk Management" by Frank J. Fabozzi

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2023-2024)**

3. General / Open Electives

3 A. General Electives (GE) / Open Electives (OE)

3.A.a. Family Business Enterprise (3 Credits)

Semester IV

3. General /Open Electives	
3.A. General Electives (GE)/ Open Elective (OE)	
3.Aa. Family Business Enterprise	
Course Objectives and Course Outcomes	
Course Objectives	
CObj 1	To equip students with the knowledge and skills to effectively manage and lead family businesses in a global context.
CObj 2	To develop critical thinking and decision-making skills to navigate the unique challenges and opportunities of family-owned enterprises.
CObj 3	To gain understanding of the complex dynamics between family relationships and business operations in a globalizing world.
CObj 4	To strategically expand family businesses into new markets and achieve sustainable growth.
Course Outcomes	
COut 1	Analyze the distinctive characteristics, strengths, and challenges of family businesses compared to non-family-owned enterprises.
COut 2	Evaluate and recommend appropriate governance structures for family businesses to ensure effective decision-making and succession planning.
COut 3	Develop strategies for managing interpersonal dynamics within the family context and minimizing conflict in business operations.
COut 4	Conduct market research and assess national expansion opportunities for family businesses, considering legal and regulatory complexities.
COut 5	Design and implement effective succession planning strategies for leadership transition and talent development within the family.
COut 6	Manage the financial aspects of family businesses, including capital structure, risk management, and financial performance analysis.
COut 7	Critically evaluate the feasibility and potential challenges of internationalizing family businesses.
COut 8	Develop cross-cultural competence to navigate diverse business environments and effectively communicate in an international setting.
COut 9	Identify and manage risks associated with global operations, including currency fluctuations, political instability, and cultural differences.
COut 10	Evaluate and leverage strategic alliances and partnerships to facilitate international expansion and mitigate market entry risks.

Modules at a Glance

Family Business Enterprise		
Sr. No.	Modules	No. of Lectures
1	Foundations of Family Business Management	15
2	National Expansion Strategies for Family Businesses	15
3	Internationalization of Family Businesses	15
Total No. of Lectures:		45

Sr. No.	Modules
1	Foundations of Family Business Management
	<ul style="list-style-type: none"> • Overview of Family Business: Understanding the unique characteristics, strengths, and challenges of family-owned enterprises. • Governance Structures: Examining various governance models for family businesses and their impact on decision-making and succession planning. • Family Dynamics: Analyzing the intersection of family relationships and business operations, including communication, conflict resolution, and the role of emotions in decision-making.
2	National Expansion Strategies for Family Businesses
	<ul style="list-style-type: none"> • Market Analysis: Conducting market research to identify opportunities and challenges for family businesses within the national context. • Succession Planning: Developing effective strategies for leadership transition and talent development within the family, ensuring continuity and sustainability. • Legal and Regulatory Considerations: Understanding the legal and regulatory landscape for family businesses, including tax implications, employment laws, and compliance requirements. • Financial Management: Implementing financial strategies tailored to family businesses, including capital structure, risk management, and financial performance analysis.
3	Internationalization of Family Businesses

Question No.	Particulars (Nature of Questions)	Marks (Given)	Marks (To Be Attempted)
Q-1	Answer the following: Any 4		
	A. Theory/Concept-based question B. Theory/Concept-based question C. Theory/Concept-based question D. Theory/Concept-based question E. Theory/Concept-based question	5 5 5 5 5	20
Q-2	Answer the following: Any 4		
	A. Theory/Concept-based question B. Theory/Concept-based question C. Theory/Concept-based question D. Theory/Concept-based question E. Theory/Concept-based question	5 5 5 5 5	20
Q-3	Answer the following: Any 4		
	A. Theory/Concept-based question B. Theory/Concept-based question C. Theory/Concept-based question D. Theory/Concept-based question E. Theory/Concept-based question	5 5 5 5 5	20
	Total		60

Syllabus of courses of SY BBA. Programme
(With effect from the Academic Year 2023-2024)
General / Open Electives
3 A. General Electives (GE) / Open Electives (OE)
3.A.a. Family Business Enterprise(3 Credits)
Semester IV

3. General /Open Electives	
General Electives (GE)/ Open Elective (OE)	
3.A.a Family Business Enterprise	
Course Objectives and Course Outcomes	
Course Objectives	
CObj 1	To equip students with the knowledge and skills to effectively manage and lead family businesses in a global context.
CObj 2	To develop critical thinking and decision-making skills to navigate the unique challenges and opportunities of family-owned enterprises.
CObj 3	To gain an understanding of the complex dynamics between family relationships and business operations in a globalizing world.
CObj 4	To strategically expand family businesses into new markets and achieve sustainable growth.
Course Outcomes	
COout 1	Analyze the distinctive characteristics, strengths, and challenges of family businesses compared to non-family-owned enterprises.
COout 2	Evaluate and recommend appropriate governance structures for family businesses to ensure effective decision-making and succession planning.
COout 3	Develop strategies for managing interpersonal dynamics within the family context and minimizing conflict in business operations.
COout 4	Conduct market research and assess national expansion opportunities for family businesses, considering legal and regulatory complexities.
COout 5	Design and implement effective succession planning strategies for leadership transition and talent development within the family.
COout 6	Manage the financial aspects of family businesses, including capital structure, risk management, and financial performance analysis.
COout 7	Critically evaluate the feasibility and potential challenges of internationalizing family businesses.
COout 8	Develop cross-cultural competence to navigate diverse business environments and effectively communicate in an international setting.
COout 9	Identify and manage risks associated with global operations, including currency fluctuations, political instability, and cultural differences.

Modules at a glance:

Sr.No	Modules	No. of Lectures
1.	Foundations of Family Business Management	15
2.	National Expansion Strategies for Family Businesses	15
3.	Internationalization of Family Businesses	15
	Total	45

Module No.	Module Units
	Foundations of Family Business Management
	<p>Overview of Family Business: Understanding the unique characteristics, strengths, and challenges of family-owned enterprises</p> <p>Governance Structures: Examining various governance models for family businesses and their impact on decision-making and succession planning.</p> <p>Family Dynamics: Analyzing the intersection of family relationships and business operations, including communication, conflict resolution, and the role of emotions in decision-making.</p>
2.	National Expansion Strategies for Family Businesses
	<p>Market Analysis: Conducting market research to identify opportunities and challenges for family businesses within the national context</p> <p>Succession Planning: Developing effective strategies for leadership transition and talent development within the family, ensuring continuity and sustainability.</p> <p>Legal and Regulatory Considerations: Understanding the legal and regulatory landscape for family businesses, including tax implications, employment laws, and compliance requirements.</p> <p>Financial Management: Implementing financial strategies tailored to family businesses, including capital structure, risk management, and financial performance analysis.</p>
3.	Internationalization of Family Businesses
	<p>Global Market Entry: Assessing the challenges and opportunities of expanding family businesses into international markets, considering cultural, economic, and political factors.</p> <p>Cross-Cultural Management: Developing cross-cultural competence to navigate diverse business environments and foster effective communication in an international setting.</p> <p>Risk Management in Global Operations: Identifying and managing risks associated with international business, including currency fluctuations, geopolitical issues, and cultural misunderstandings.</p> <p>Strategic Alliances and Partnerships: Exploring collaborative strategies such as joint ventures and partnerships to facilitate international growth and mitigate market entry risks.</p>

Reference Books:

- "Family Business: Innovative On-Site Strategies for Sustaining Competitive Advantage" by Craig E. Aronoff, John L. Ward, and Stephen L. McClure
- "Family Business Succession: Your Roadmap to Continuity" by Daniela Montemerlo
- "Family Wars: Classic Conflicts in Family Business and How to Deal with Them" by Grant Gordon and Nigel Nicholson:

Teaching Pedagogy

Lectures/tutorials/field work/outreach activities/ project work/ vocational training/ viva / seminars/term papers/assignments/presentations/self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.

Allocation of 40 Marks---Continuous Internal evaluation (CIE)

Method of evaluation	Total marks
Assignment/ Project/ Case study / Report on guest lecture/ activity	20
PowerPoint presentation	20
TOTAL	40

Paper pattern for Semester End Examination (SEE) of 60 Marks

AC: 31/01/2024

Question No.	Particulars (Nature of Questions)	Marks (Given)	Marks (To Be Attempted)	
Q.1	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.2	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.3	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
TOTAL			60	

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2023-2024)**

3. General / Open Electives

3 A. General Electives (GE) / Open Electives (OE)

3.A.a. Robotic Process Automation (3 Credits)

Semester IV

3. General /Open Electives	
3.A.General Electives (GE)/ Open Elective (OE)	
3.A.a. Robotic Process Automation	
Course Objectives and Course Outcomes	
Course Objectives	
CObj 1	To understand foundations of Robotic Process Automation
CObj 2	To introduce the platform interface of UiPath Studio and design workflow
CObj 3	To explore different RPA strategies
CObj 4	To evaluate and compare different RPA tools
Course Outcomes	
COut 1	Learners will be able to clearly define RPA, explain its benefits and limitations compared to traditional automation.
COut 2	Learners will be able to navigate the UiPath Studio interface, build workflows using control flow activities and various techniques.
COut 3	Learners will understand RPA project management best practices.
COut 4	Learners will be able to analyze features and functionalities of different RPA tools.
COut 5	Learners will gain practical experience by developing and implementing RPA solutions for real-world scenarios.

Modules at a Glance

Sr. No.	Modules	No. of Lectures
1	Introduction of RPA and UiPath Studio	15
2	Building Workflows	15
3	Strategies and Other RPA Tools	15
Total No. of Lectures:		45

Sr. No.	Modules
1	Introduction of RPA and UiPath Studio
	Basics of RPA, Benefits, Limitations, and comparison to traditional automation, Application of RPA, UiPath Studio Interface Overview, Basic Navigations and workspace components, Data types, Storing information and basic operations, Recording and Playback for User Actions,
2	Building Workflows
	Control Flow Activities, Screen Scraping and Data Extraction, Data Entry and Form Filing, Accessing Excel, Manipulating Data in Excel, Error handling and Debugging, Sharing and Exporting Workflows
3	Strategies and Other RPA Tools
	RPA Project Management, Security and Ethical Automation Practices in RPA, Orchestrating Robots, Other Tools for RPA Implementation, Choosing the right RPA Tool

Robotic Process Automation

Question Paper Pattern (Academic Year: 2024-25)

Internal Examination & Semester End Examination – 40 Marks

A] Internals-40 Marks

A Certified copy journal is essential to appear for the practical examination.

Sr.No.	Particulars	Marks
1.	Practical Work	20
2.	Journal	10
3.	Viva Voce	10
	Total	40

Practical Work (20 Marks)	
1	Install and Explore interface of UiPath Studio
2	Automate Data Entry in Web Form
3	Automate Sending Email Notifications
4	Extract data from Spreadsheets
5	Extract data from PDFs
6	Rename downloaded files
7	Data Cleaning and Validation
8	Download Files from a Website
9	Searching data over the internet and creating a Comparison Table
10	Connect with External APIs

B] Semester End Examination (SEE)- 60 Marks

Maximum Marks 60
Duration : 2 Hours

Question No.	Particulars (Nature of Questions)	Marks (Given)	Marks (To Be Attempted)
Q-1	Answer the following: Any 4		
	F. Theory/Concept-based question	5	20
	G. Theory/Concept-based question	5	
	H. Theory/Concept-based question	5	
	I. Theory/Concept-based question	5	
	J. Theory/Concept-based question	5	
Q-2	Answer the following: Any 4		
	F. Theory/Concept-based question	5	20
	G. Theory/Concept-based question	5	
	H. Theory/Concept-based question	5	
	I. Theory/Concept-based question	5	
	J. Theory/Concept-based question	5	
Q-3	Answer the following: Any 4		
	F. Theory/Concept-based question	5	20
	G. Theory/Concept-based question	5	
	H. Theory/Concept-based question	5	
	I. Theory/Concept-based question	5	
	J. Theory/Concept-based question	5	
	Total		60

Books and References:

Sr. No.	Title	Author/s	Publisher	Edition	Year
1	The Robotic Process Automation Handbook A Guide to Implementing RPA Systems	Tom Taulli	Apress	First	2020
2	Robotic Process Automation Management, Technology, Applications	Christian Czarnecki, Peter Fettke	De Gruyter	First	2021
3	UiPath Associate Certification Guide	Niyaz Ahmed, Lahiru Fernando, Rajaneesh Balakrishnan	Packt	First	2022

Syllabus of courses of SY BBA. Programme
(With effect from the Academic Year 2024-2025)
4.B Vocational Skill Course (VSC)
4.B.a Technology & Innovations in Shipping & Logistics (3 Credits)
Semester IV

4.B Vocational Skill Course (VSC)	
4.B Vocational Skill Course (VSC)	
4.B.a Technology & Innovations in Shipping & Logistics	
Course Objectives and Course Outcomes	
Course Objectives	
CObj 1	To enable the learner to appreciate the role of technology
CObj 2	To make the learner aware of the trends in the area of shipping and Logistics
CObj 3	To acquaint the learner with the nuances of technology
CObj 4	To equip the learner with the concepts related to the recent trends in shipping
Course Outcomes	
COut 1	Ensures the understanding of the latest technology
COut 2	The learner appreciates the role of drones in logistics
COut 3	The benefits of route optimization are understood and appreciated by the learner

Modules at a Glance

Sr No	Modules	No of lectures
1	Intelligent systems	15
2	Big data and Analytics	15
3	Green shipping and Sustainability	15
	Total	45

Syllabus

Sr. No.	Modules / Units
1	Intelligent systems
	Basics of AI, Decision-making and automation using AI, AI-powered route optimization, Augmented Reality, Smart Ports and Autonomous Vehicles, Warehouse Simulation, Use of Drones and 3D Printing
2	Big Data and Analytics
	Basics of Big Data, Cloud-based Databases, Sensors and wireless technology, Data Mining, Predictive Maintenance, Demand Forecasting, Fraud Detection, Risk Management, Data Security and Privacy
3	Green Shipping and Sustainability
	Impact on environment, Use of alternate fuels like Biofuel, Hydrogen Fuel cells, Wind-Assisted Propulsion, Electric Ships, Carbon Offsetting and Lifecycle Analysis, Sustainable Packaging Solutions, Impact of Sustainability on Carriers

Teaching Pedagogy

Lectures/tutorials/fieldwork/outreach activities/ project work/ vocational training/ viva seminars/term papers/assignments/presentations/self-study/case studies etc.or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.

Allocation of 40 Marks---Internal evaluation

Method of evaluation	Marks
Written Test	15
PowerPoint Presentation-Pre-set criteria	25
TOTAL	40

Paper pattern for written test of 60 Marks

AC: 31/01/2024

Question No.	Particulars (Nature of Questions)	Marks (Given)	Marks (To Be Attempt ed)	
Q.1	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.2	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
Q.3	Attempt any four from the following.		20	
	A	Theory/Concept based question		5
	B	Theory/Concept based question		5
	C	Theory/Concept based question		5
	D	Theory/Concept based question		5
	E	Theory/Concept based question		5
TOTAL			60	

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2024-2025)**

5. Ability Enhancement Courses, Value Enhancement Course, Indian Knowledge System

5.A Ability Enhancement Course (AEC)

5.A.a Linguistic Studies II (3 Credits)

Semester IV

Modules at Glance

Linguistic Studies II		
Module. No.	Modules	No. of Lectures
1.	Select Studies in Translated Literature	10
2.	Functional and Commercial Language	10
3.	Forms of Literary Expressions	10
Total		30

Sr. No.	Modules	No. of Lectures
1.	Select Studies in Translated Literature	10
	Translated Literature and Cultural Exchange Review of Translated Literature using Translated Literary work from another language to chosen language. (The choice of the texts should be made by the learner with due discussion with the faculty). Based on this module, internal evaluation shall be done.	
2.	Functional and Commercial Language	10
	<ul style="list-style-type: none"> • Newspaper reading of the chosen language in the class along with faculty • Watching and understanding News channel of the chosen language • Translation of often used words in office circulars and government communications • Simple conversations in the chosen language • Banking and financial terms in the chosen language 	
3.	Forms of Literary Expressions	10
	<ul style="list-style-type: none"> • Appreciation of select forms of literature <ul style="list-style-type: none"> o Films o Theatre o Performing Arts o Fine Arts • The faculty member shall discuss with the learners about the richness of other forms of Literary expressions in chosen language and learn to appreciate the creativity and presenting the creativity in a lighter form. Also, they are expected to appreciate the cultural dimensions behind it. 	
Total		30
Total marks: 50		

Evaluation Pattern- 60:40

24

Internal Evaluation: 20 Marks

The faculty will decide the means of taking internal evaluation. It can be oral quiz, dialogue exchange, role play, reading comprehension, listening comprehension etc.

External evaluation:**Marks: 30****Duration: 1 hours****Note: (1) All questions are compulsory****(2) The learners can write answers in the chosen language or in English/Marathi/Hindi**

Question No.	Particulars (Nature of question)	Marks
Questions with sub questions	Flexibility is given to the faculty to decide the paper pattern and depending on learner's ability will design the question paper. It can contain questions like identifying or changing gender, identifying or changing tenses, making rhythmic words, answer in one sentence etc.	30
	Total	30

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2024-2025)
6. Internship / Field Project / Research Project
(Any one course from the following list of courses)- (02 credits)
Semester IV**

6. Internship / Field Project / Research Project
Foundation of Research Skills (Internship) - II

**Syllabus of courses of SY BBA Programme
(With effect from the Academic Year 2024-2025)**

**6. Internship / Field Project / Research Project
(Any one course from the following list of courses)- (02 credits)
Semester IV**

6. Internship / Field Project / Research Project

Foundation of Research Skills (Research Project) - II

(With effect from the Academic Year 2024-2025) AC: 31/01/2024
6. Internship / Field Project / Research Project
(Any one course from the following list of courses)- (02 credits)
Semester IV

6. Internship / Field Project / Research Project

Foundation of Research Skills (Field Project) - II

CRITERIA FOR EVALUATING POWER POINT PRESENTATION/CASE STUDY/ APPLICATION BASED ACTIVITY: AC: 31/01/2024

MARKS: 20

FY/SY/TY BBA: Division A/B

Semester:

Name of the Topic			Date of Presentation:				
Sr. No	Roll No	Name of the student	Content (5)	Team building (5)	Presentation skills		Total (20)
					Verbal (5)	Non-Verbal (5)	
1							
2							
3							
4							

Sign: 1 _____ 2. _____ 3. _____ 4. _____ Faculty Sign: _____

Name of the Topic			Date of Presentation:				
Sr. No	Roll No	Name of the student	Content (5)	Team building (5)	Presentation skills		Total (20)
					Verbal (5)	Non-Verbal (5)	
1							
2							
3							
4							

Sign: 1 _____ 2. _____ 3. _____ 4. _____ Faculty Sign: _____

Name of the Topic			Date of Presentation:				
Sr. No	Roll No	Name of the student	Content (5)	Team building (5)	Presentation skills		Total (20)
					Verbal (5)	Non Verbal (5)	
1							
2							
3							
4							

Sign: 1 _____ 2. _____ 3. _____ 4. _____ Faculty Sign: _____