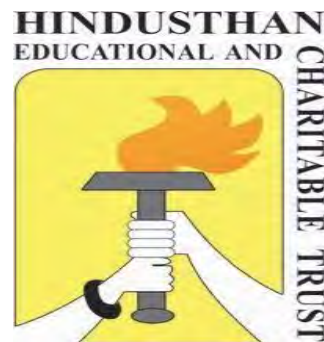


LEARNING OUTCOMES –BASED CURRICULUM FRAME WORK (LOCF)

In the

**UNDERGRADUATE PROGRAMME BACHELOR OF
BUSINESS ADMINISTRATION LOGISTICS
DEGREE PROGRAMME**

**FOR THE STUDENTS ADMITTED FROM THE ACADEMIC
YEAR 2022-2023 AND ONWARDS**



HICAS

**HINDUSTHAN COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)
COIMBATORE-641028
TAMILNADU, INDIA.**

Phone:0422-4440555

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**HINDUSTHAN COLLEGE OF ARTS AND SCIENCE DEPARTMENT OF
BUSINESS ADMINISTRATION LOGISTICS**

PREAMBLE

The Logistics sector at global level is into a massive growth contributing to the overall world's economic progress. In India logistic is as one of the most dynamic and fast growing segment. The Logistics program will enable students to gain knowledge in logistics and supply chain management to tap opportunities in the logistics sector.

VISION

To provide a quality education with able to face academic and industry requirements to foster the holistic development of a student.

MISSION

To understand and recognize the individual capacity of our students and ensure an overall development of the student to face challenges in the global scenario.

Programme Educational Objectives (PEO)

Under Graduates of **Business Administration with Logistics** program will be

PEO1: Graduates will be able to approach the business environment with optimism and enable them to be industry ready in facing the challenges by ethically responsible in contribution to the society and in the business field.

PEO2: Graduates will have an ability to identify opportunities adapt and engage themselves in the field of logistics with their professional skills.

PEO3: Graduates will understand the relationship between logistics specific discipline knowledge and other functional areas of management

PEO4: Graduates will devise their own approaches in inventory management cargo management, customs law, Multi model transportation.

PEO5: Graduates will understand the growing roll and importance of logistics and devise their plan to be successful in the area of logistics.

PROGRAM OUTCOME(PO):

- PO1:** On graduation students will exhibit their ability to communicate and take decision effectively.
- PO2:** Students will be able to understand concepts of logistics & apply them in their profession.
- PO3:** Students will be able to organize their work in a professional way.
- PO4:** Students will be able to exhibit team work, apply time management skills will be Emotionally strong & become result oriented.
- PO5:** Students will develop and apply logistics related strategies in the growing logistics business environment.

PROGRAM SPECIFIC OUTCOME(PSO):

- PSO1:** Ability to take opportunities in areas of logistics like logistics analyst , consultancy , supply chain analyst, production planner, master schedules, logistics manager, Inventory management ,supply chain manager, purchasing, marine officer , Deck manager
- PSO2:** Effective and proficient to understand the global issues and continuously see development in the Industry of logistics
- PSO3:** Recognize, prepare an ability to see the big picture for a continual development
- PSO4:** Apply the knowledge and competency acquired to their profession
- PSO5:** Develop strategies and identify opportunities to apply their skills and plans.

HINDUSTHAN COLLEGE OF ARTS & SCIENCE (AUTONOMOUS), COIMBATORE-641028
SCHEME OF EXAMINATIONS -CBCS&LOCF PATTERN
(For the Students admitted from the Academic year 2022-2023 and Onwards)
UG PROGRAMME

Programme: BBA

Branch: LOGISTICS

Part	Course Code	Course Type	Course Title	Credit points	Lecture Hours / Week		Exam Duration (hours)	MAX.MARKS		
					Theory	Practical		I.E.	E.E	Total
Semester-I										
I	22LAT01/ 22LAH01/ 22LAM01/ 22LAF01	MIL	Tamil-I/ Hindi-I/ Malayalam-I / French-I	4	6	-	3	50	50	100
II	22ENG01	AECC	English-I	4	6	-	3	50	50	100
III	22BLU01	DSC	Core-I Principles of Management	4	6	-	3	50	50	100
III	22BLU02	DSC	Core -II Fundamentals of Logistics	4	6	-	3	50	50	100
III	22BLU03	GE	Allied-I : Mathematics for Management -I	4	5	-	3	50	50	100
IV	22BLUE01	AEE	Open Elective-I	2	3	-	3	100	-	100
IV	22GSU01	AECC	Environment Studies	1	2	-	2	50	-	50
IV	22BLUV01	SEC	Life Skills-I@ / VAC-I- Communicative Skills	1*	2	-	2	50*	-	50**
IV		SEC	SDR-Student Development Report	Assessment will be in the Fifth Semester						
V		AECC	Extension Activities NSS/NCC/SPORTS/ YRC/SIS/SA	Assessment will be in the Fourth Semester						
Total				23	36			400	250	650
Part	Course Code	Course Type	Course Title	Credit points	Theory	Practical	Exam	I.E.	E.E	Total
Semester-II										
I	22LAT02/ 22LAH02/ 22LAM02/ 22LAF02	MIL	Tamil-II/Hindi-II/ Malayalam-II/ French-II	4	6	-	3	50	50	100
II	22ENG02	AECC	English- II	4	6	-	3	50	50	100

III	22BLU04	DSC	Core - III Organizational Behavior	4	5	-	3	50	50	100
III	22BLU05	DSC	Core -IV: Production and Operations Management	5	5	-	3	50	50	100
III	22BLU06	DSC	Core-V: Supply Chain Management	4	5	-	3	50	50	100
III	22BLU07	GE	Allied-II Mathematics for Management-II	4	5	-	3	50	50	100
III	22BLU08	SEC	Internship/Industrial Visit/ Mini Project	1	-	--	-	100	-	100
IV	22BLUV02	SEC	Life Skills-II@ /VAC II-/Language	1*	2	-	2	50*	-	50**
IV	22BLUJ01	SEC	Aptitude/Placement Training	Grade *	2	-	2	50*	-	50**
Total				26	36			400	300	700

Part	Course Code	Course Type	Course Title	Credit points	Theory	Practical	Exam	I.E.	E.E	Total
Semester-III										
III	22BLU09	DSC	Core -VI: Financial Accounting	4	5	-	3	50	50	100
III	22BLU10	DSC	Core - VII Warehousing and Inventory Management	4	5	-	3	50	50	100
III	22BLU11	DSC	Core -VIII Global business environment	5	5	-	3	50	50	100
III	22BLU12	DSC	Core -IX: Export Import Documentation	5	5	-	3	50	50	100
III	22BLU13	GE	Allied-III: Economics For Executives	4	5	-	3	50	50	100
III	22BLU14	DSE	Elective-I	2	3	-	3	50	50	100
IV	22BLUE02	AEE	Open Elective-II	2	3	-	3	100	-	100
IV	22GSU02	AEC C	Human Rights	1	2	-	2	50	-	50

IV	22BLUJ0 2	SEC	Aptitude/ Placement Training	Grade *	2	-	2	50*	-	50**
IV	22BLUJ0 3	SEC	Online Course	-	1	-	-	-	-	C/NC #
Total				27	36			450	300	750

Part	Course Code	Course Type	Course Title	Credit points	Theory	Practical	Exam	I.E.	E.E	Total
			Semester-IV							
III	22BLU15	DSC	Core -X: Financial Management	4	6	-	3	50	50	100
III	22BLU16	DSC	Core -XI: Human Resource Management	4	5	-	3	50	50	100
III	22BLU17	DSC	Core-XII: Customs Laws and Procedure	4	5	-	3	50	50	100
III	22BLU18	DSC	Core -XIII: International Marketing Logistics	4	5	-	3	50	50	100
III	22BLU19	DSE	Elective-II	2	3		3	50	50	100
III	22BLU20	GE	Allied-IV Practical - I Business Communication (Using PC software)	3		5	3	50	50	100
III	22BLU21	SEC	Internship / Institutional Training/ Mini-Project	1	-	-	-	100	-	100
IV	22BLUV03	ACC	VAC-III	1*	2	-	2	50*	-	50**
IV	22BLUJ04	SEC	Aptitude / Placement Training	Grade e*	2	-	2	50*	-	50**
IV	22BLUJ05	SEC	Online Course	-	1	-	-	-	-	C/N C#
IV	22GSU03	AECC	Internet Security	1	2	-	2	50	-	50
V	22GSU04	AECC	Extension Activities NSS/NCC/SPORTS/ YRC/SIS/SA#	2	-	-	-	-	-	C/NC#
Total				25	31	5		450	300	750
Part	Course Code	Course Type	Course Title	Credit points	Theory	Practical	Exam	I.E.	E.E	Total
			Semester-V							

III	22BLU22	DSC	Core- XIV: Entrepreneurial Development	5	6	-	3	50	50	100
III	22BLU23	DSC	Core-XV: Domestic Logistics	4	5	-	3	50	50	100
III	22BLU24	DSC	Core -XVI: Research Methods for Management	4	6	-	3	50	50	100
III	22BLU25	DSC	Core - XVII: Ocean Freight Management	4	5	-	3	50	50	100
III	22BLU26	DSC	Core - XVIII: Strategic Logistics Management	4	5	-	3	50	50	100
IV	22BLUE03	AEE	Open Elective-III	2	3	-	3	100	-	100
IV	22GSU05	AECC	General Awareness	1	1	-	2	50	-	50
IV	22GSU06	AECC	Law of Ethics	1	-	-	2	50	-	50
IV	22BLUV04	ACC	VAC-IV	1*	2	-	2	50*	-	50**
IV	22BLUJ06	SEC	Aptitude / Placement Training	Grade *	2	-	2	50*	-	50**
IV	22BLUJ07	SEC	Online Course	-	1	-	-	-	-	C/N C#
IV	22BLUJ08	SEC	SDR- Student Development Report	2*	-	-	-	-	-	-
Total				25	36	-		450	250	700

Part	Course Code	Course Type	Course Title	Credit points	Theory	Practical	Exam	I.E.	E.E	Total
			Semester-VI							
III	22BLU27	DSE	Elective - III	3	4	-	3	50	50	100
III	22BLU28	DSE	Elective-IV	3	4	-	3	50	50	100
III	22BLU29	DSC	Core - XIX: Self-Study Course	3	-	-	3	50	50	100
III	22BLU30	SEC	Project Work / Student Research Paper	5	6	-	-	50	50	100
Total				14	14	-		200	200	400
Grand Total				140						3950

- *denotes Extra credits which are not added with total credits.
- **denotes Extra marks which are not added with total marks.
- **VAC**-Value Added Course(Extra Credit Courses)
- Grade-Grades depends on the marks obtained
- ≠ C-Completed/ NC- Not Completed
-

Range of Marks	Equivalent remarks
80 and above	Exemplary
70–79	Very good
60–69	Good
50–59	Fair
40–49	Satisfactory
Below 40	Not Satisfactory=Not completed

- Part IV& V not included in total marks and CGPA calculation.
- **I.E**-Internal Exam
- **E.E**-External Exam
- **J**-Job Oriented Course
- **E**-Open Elective Papers

PASSING MINIMUM

Passing Minimum for UG 40% (Both Internal and External)

ABSTRACT FOR SCHEME OF EXAMINATION

(For the candidates admitted during the academic year 2022 - 2023 and onwards)

Part I	Languages/(MIL)	2	4	8	100	200
Part II	English/AECC-I	2	4	8	100	200
Part III	Core/DSC	18	4/5	76	100	1800
	Self-Study Course/ DSC	1	3	3	100	100
	Allied/GE	4	3/4	15	100	400
	Electives/DSE	4	2/3	10	100	400
	Project/SEC	1	5	5	100	100
	Internship/Institutional Training /Mini-Project	2	1	2	100	200
Part IV	Open Electives/AEE	3	2	6	100	300
	AECC- EVS / HR / IS / GA /LE	5	1	5	50	250
	Value Added Course	2	1	2*	50	100**
	Aptitude/Placement Training/SEC	4	Grade *	Grade*	50	200**
	Online courses/ SEC	3	-	-	-	C/NC
	Life Skills /SEC	2	1	2*	50	100**
	SDR-Student Development Report	1	2	2*	-	-
Part V	Extension Activities / NSS/ NCC/Sports/YRC/SIS/ SA-AECC	1	-	2	-	C/NC
	Total			140 (6 Extra Credits)		3950 +(400* *)

List of Open Elective Papers	
Open Electives	Yoga for Human Excellence Human Health & Hygiene Indian Culture and Heritage Indian Constitution and Political System Consumer Awareness and Protection Professional Ethics and Human Values Human Rights, Women's Rights & Gender Equality Disaster Management Green Farming Corporate Relations start a Business? Research Methodology and IPR General Studies for Competitive Examinations IIT JAM Examination (for Science only) CUCET Examination
VAC Papers	
Courses offered by the Departments to other Programmes	-

Value Added Course

Semester	Course Code	Course Type	Course Title
I	22BLUV01	SEC	Life Skills-I@VAC- I - Communicative Skills
II	22BLUV02	SEC	Life Skills-II@VAC-II - Language
III	22BLUV03	SEC	VAC- III - Intermediate Logistics
V&VI	22BLUV04	SEC	VAC-IV - Advanced Logistics

List of Elective Papers /DSE (Can choose anyone of the paper as electives)		
	CourseCode	Title
Electives/ DSE-I	22BLU14A	Shipping and Packaging
	22BLU14B	Delivery Management
Electives/ DSE-II	22BLU19A	Container Management
	22BLU19B	Air Cargo Management
Electives/ DSE-III	22BLU27A	Supply chain Analytics
	22BLU27B	Management of Inventory System
	22BLU27C	Global supply chain Management
	22BCU27D	Artificial Intelligence
DSE-IV	22BLU28A	Green Support Chain Initiatives.
	22BLU28B	Internet of Things
	22BLU28C	Supply Chain Strategies
	22BLU28D	NOC: Modeling and analytics for supply chain


Syllabus Coordinator


SABITHA M.B.A., M.P.
BOS-Chairman/Chairperson
Head of Department
Department of Management Studies
Hindusthan College of Arts and Science
Coimbatore - 641 028.


Academic Council - Member Secretary


PRINCIPAL
PRINCIPAL
Hindusthan College of Arts & Science (Autonomous),
Hindusthan Gardens, Behind Nava India,
Coimbatore - 641 028.

UG - Scheme of Evaluation (Internal & External Components)

(For the students admitted during the academic year 2022-2023 and onwards)

1. Internal Marks for all UG

Components	Marks
Test I	10
Test II	10
Model Exam	10
Assignment	5
Attendance*	5
Internal Assessment components **	10
TOTAL	50

*Split-up of Attendance Marks

- ♣ 75-79 - 1 marks
- ♣ 80-84 - 2 marks
- ♣ 85-89 - 3 marks
- ♣ 90-94 - 4 marks
- ♣ 95-100 - 5 marks

** List of components for Internal Assessment (MCQ Compulsory)

S.No	Components
1	Multiple choice questions
2	Club activities
3	Assignment
4	Seminar

(Any two components from the above list with five marks each will be calculated
.2x5=10 marks)

2. a) Components for Practical I.E.

Components	Marks
Test -I	15
Test - II	15
Observation	10
Application*	10
Total	50

b) Components for Practical E.E.

Components	Marks
Experiments/Exercise	40
Record	5
Viva	5
Total	50

3. Institutional/ Industrial Training, Mini Project and Major Project Work

Institutional /Industrial Training (I.E)		Mini Project (I.E)	Major Project Work		
Component	Marks	Marks	Component	Marks	Total Marks
Work diary	25	-	I.E: a)Attendance	20	50
Report	50	50	b)Review/Work diary*	30	
Viva-voce	25	50			
Total	100	100	E.E** a) Evaluation	30	50
			b)Viva-voce	20	
				Total	100

*Review is for Individual Project and Work Diary is for Group Projects
(group consisting of minimum 3 and maximum 5)

**Evaluation of report and conduct of viva voce will be done jointly by Internal and External Examiners

4. Guidelines for Internet Security/Human Rights/ Law of Ethics/ Environmental Studies (Part IV)

Components	Marks
Two Tests (each 2 hours) of 20 marks each [4 out of 7 descriptive type questions 4 x 5 = 20 Marks]	40
Two assignments (2 x 5)	10
Total	50

5. Guidelines for General Awareness (Part IV)

Components	Marks
Two Tests (each 2 hours) of 25 marks each [50 objective type questions 50 x 1/2 = 25 Marks]	50

6. Guidelines for open Elective (Part IV)

Components	Marks
Two Tests (each 2 hours) of 50 marks each [5 out of 8 descriptive type questions 5 x 10 = 50 Marks]	100

7. Value Added Courses and Aptitude/Placement courses:

Components	Marks
Two Test (each 1 hour) of 25 marks each QP is objective pattern (25x1=25)	50
Total	50

Guidelines:

1. The passing minimum for these items should be 40%
2. If the candidate fails to secure 40% passing minimum, he / she may have to reappear for the same in the subsequent Semesters
3. Item No's:4,5,6 and 7 are to be treated as 100% Internal papers.
4. For item No.7, Tests conducted through online modules (Google Form/any other)
5. Item No.2: * - Application should be from the relevant practical subject other than the Listed programmes. It must be enclosed in the practical record.

UG PATTERN
QUESTION PAPER PATTERN FOR CIA I and CIA II EXAM

Reg.No:-----

Q.P.CODE:

HINDUSTHAN COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

----- **DEGREE CIA-I/CIA-II EXAMINATIONS** -----20---

(----- **SEMESTER**)

BRANCH: -----

SUBJECT NAME: -----

Time: Two Hours

Maximum:50 Marks

SECTION - A (6 x 1 = 6 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks

(Q.No: 1 to 6: Multiple choice/Fill up the blanks /True or False questions)

SECTION - B (4x 6 = 24 marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks

(Q.No: 7 to 10 Either Or type)

SECTION - C (2x10 = 20 marks)

Answer any **TWO** Questions out of **THREE** Questions

ALL Questions Carry **EQUAL** Marks

(Q.No: 11 to 13)

QUESTION PAPER PATTERN FOR MODEL/END SEMESTER EXAMINATION

Reg.No:-----

Q.P.CODE:

HINDUSTHAN COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

----- **DEGREE MODEL EXAMINATIONS** -----20-----

(-----**SEMESTER**)

BRANCH : -----

SUBJECT NAME:-----

Duration: Three Hours

Maximum: 70 Marks

SECTION - A (10x1=10 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks

(Q.No 1 to 10 Multiple choice/Fill up the blanks /True or False questions)

(Two questions from each unit)

SECTION - B (5x6=30 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks

(Q.No 11 to 15 Either or type)

(One question from each Unit)

SECTION- C (3x10=30 Marks)

Answer any **THREE** Questions out of **FIVE** Questions

ALL Questions carry **EQUAL** Marks

(Q.No 16 to 20) (One question from each Unit)

Blue Print of Question Paper for all UG Programmes

(For the academic year 2021-22, 2022-23)

FOR CIA I, CIA II - QUESTION PATTERN

Max. Marks: 50

Sec	Question No	Type	No of Question	Questions to be answered	Mark per question	K-level
A	1 to 6	MCQ/ True or False/ Fill up	6	6	1 (6x1=6)	All Questions will be K1
B	7 to 10	Either or Type (a or b)	8	4	6 (4x6=24)	4 Questions will be in K2 4 Questions will be in K3
C	11 to 13	Open choice	3	2	10 (2x10=20)	1 Question will be in K3 2 Question will be in K4

FOR MODEL/ESE - QUESTION PATTERN

Max. Marks:70

Sec	Question No	Type	No of Question	Questions to be answered	Mark per question	K-level
A	1 to 10	MCQ/ True or False/ Fill up	10	10	1 (10x1=10)	All Questions will be K1
B	11 to 15	Either or Type (a or b)	10	5	6 (5x6=30)	6 Questions will be in K2 4 Questions will be in K3
C	16 to 20	Open choice	5	3	10 (3x10=30)	2 Question will be in K3 3 Question will be in K4

(For the academic year 2020-21)

FOR CIA I, CIA II - QUESTION PATTERN

Max. Marks:50

Sec	Question No	Type	No of Question	Questions to be answered	Mark per question	K-level
A	1 to 6	MCQ/ True or False/ Fill up	6	6	1 (6x1=6)	All Questions will be K1
B	7 to 10	Either or Type (a or b)	8	4	5 (4x5=20)	4 Questions will be in K2 4 Questions will be in K3
C	11 to 13	Either or Type (a or b)	6	3	8 (3x8=24)	3 Question will be in K3 3 Question will be in K4

FOR MODEL/ESE - QUESTION PATTERN

Max. Marks:70

Sec	Question No	Type	No of Question	Questions to be answered	Mark per question	K-level
A	1 to 10	MCQ/ True or False/ Fill up	10	10	1 (10x1=10)	All Questions will be K1
B	11 to 15	Either or Type (a or b)	10	5	4 (5x4=20)	6 Questions will be in K2 4 Questions will be in K3
C	16 to 20	Either or Type (a or b)	10	5	8 (5x8=40)	5 Question will be in K3 5 Question will be in K4

Blue Print of Question Paper

Distribution of section-wise marks with K levels for UG 2021-22, 2022-23

CIA							
Sec.	K1	K2	K3	K4	Total questions	Questions to be answered	Total marks
A -MCQ/T or F / Fill up	6				6	6	6x1=6
B - Either or type		4	4		8	4	4x6=24
C - Open choice			1	2	3	2	2x10=20
Total Marks	6	24	34	20			84
% of marks without choice	7.14	28.57	40.48	23.81			100

Model Exam							
Sec.	K1	K2	K3	K4	Total questions	Questions to be answered	Total marks
A- MCQ/T or F/ Fill up	10				10	10	10x1=10
B - Either or type		6	4		10	5	5x6=30
C - Open choice			2	3	5	3	3x10=30
Total Marks	10	36	44	30			120
% of marks without choice	8.33	30	36.67	25			100

Distribution of section-wise marks with K levels for UG (2020-21)

CIA							
Sec.	K1	K2	K3	K4	Total questions	Questions to be answered	Total marks
A MCQ/T or F/ Fill up	6				6	6	6x1=6
B - Either or type		4	4		8	4	4x5=20
C – Either or type			3	3	6	3	3x8=24
Total Marks	6	20	54	24			104
% of marks without choice	5.77	19.23	51.92	23.08			100

Model Exam							
Sec.	K1	K2	K3	K4	Total questions	Questions to be answered	Total marks
A MCQ/True or False/ Fill up	10				10	10	10x1=10
B - Either or type		6	4		10	5	5x4=20
C – Either or type			5	5	10	5	5x8=40
Total Marks	10	24	56	40			130
% of marks without choice	7.69	18.46	43.08	30.77			100

UG Programme Regulations for the academic year 2022-2023

1. Internal marks components for the candidates admitted from the academic year 2022-2023 and onwards is as follows.

For Theory courses

Components	Marks
Test I	10
Test II	10
Model Exam	10
Assignment	5
Attendance	5
Internal Assessment components	10
TOTAL	50

For Practical courses

Components	Marks
Test –I	15
Test – II	15
Observation/Exercise	10
Application*	10
TOTAL	50

2. The pattern of the question paper for External Examination will be maximum of 70 marks for theory courses, the marks obtained will be converted into 50 as per the scheme.
3. Passing minimum for all UG programme is 40% in Internal and 40 % in External and the composition of total 40 marks out of 100 marks.
4. Internship / Institutional Training / Mini-Project is related to the discipline. The students can be permitted to complete the Internship / Institutional Training / Mini-Project before the end of First year (end of II semester) and before the end of the second year (end of IV semester) and submit a report.

Internship / Institutional Training	Duration: Not more than seven days
Mini project	During the course of study for not more than seven days.

5. Project work is considered as a special course involving application of knowledge in problem solving/analyzing/exploring a real-life situation. A Project work may be given in lieu of a discipline specific elective paper. Distribution of marks for major project for all UG programme will be 50:50 pattern for both Internal and External in total of 100/200 marks.
6. Two tests for fully internal subjects should be conducted during CIA-I and CIA –II by the department.
7. Retest for the failure candidates in CIA I or CIA II or Part IV or Part V or Extra credit courses should be conducted during the model examination after getting approval from the COE office. The candidates who are not able to complete the minimum pass mark in internal components even getting chance of reappearance, will be treated as arrear candidates.
8. For the Theory cum Practical blended courses, 50:50 Internal and External pattern will be followed for theory examination and Fully internal pattern will be followed for Practical examination. For theory part, External examination will be conducted as regular pattern (max of 70 marks) and it will be converted into 25 marks.

Course	Internal Marks		External marks		Total marks (Max. marks 50)	
	Min.	Max.	Min.	Max.	Min.	Max.
Theory	10	25	10	25	20	50
Practical	20	50	-		20	50

For Practical components for Theory cum Practical courses (Fully Internal)

Components	Marks
Test I	10
Test II	10
Experiment/Excercise	20
Record	5
Viva	5
Total	50

The Internal mark 50 will be converted into 25.

9. For the candidates admitted under the Fast Track System (FTS) must register their names to their concerned department heads and get approval from the COE office at the beginning of the III semester.
10. Students who are not willing to select the Project/Research work in Semester VI, can chose the theory papers offered by their departments as per the prescribed theory pattern.
11. Self Study will be a Core Paper of the department for which the examination pattern will be as like part III courses is followed.
12. NSS / NCC/Sports/YRC / SIS / SA is mandatory for all students as per New Education Policy and the students must attend the allocated hours within two years and complete the programme. They will be evaluated during the end of second year (Fourth Semester) and also a certificate will be issued.
13. SDR – Student Development Report to be received by the department from the students till end of the fifth semester. (Evidences of Curricular activities and Co-curricular activities)
14. For online courses minimum of 2 certificates in any of the online platform is mandatory.
15. Open elective courses:
Departments can offer list of subjects which teaches moral ethics to the young community for the better future. The topics relevant to Indian ethics, Culture, Women rights, Yoga, Green farming, Indian constitution etc., as an open elective courses. These courses can be offered by the department or other department as inter department courses. Marks earned for this courses will not be included for CGPA calculations.

Extension Activities

NSS – National Service Scheme, as enrolled member with the College Unit.

NCC – National Credit Corps, as enrolled member with the College Unit.

SPORTS – Sports & Games Participation with College Team

YRC/RRC–Youth Red Cross / Red Ribbon Club, as enrolled member with the College Unit.

Rotaract Club - Rotaract Club, as enrolled member with the College Unit.

SIS – Special Interest Subjects, as approved by the Academic Council

SA – Social Activity for not less than 50 hours with NGGO like Aram Foundation / Shanthi Social Service /Siruthuli /Kulangal Pathukappu Amaipu /Old age Home / Nature Foundation / etc.

Regulations of Fast Track System (FTS)

- From the academic year 2021-22, our college is offering Fast Track System (FTS) for all UG and PG programmes. In this system, we are offering two courses under the course type of Discipline Specific Elective (DSE) in the sixth semester for all UG programmes and fourth semester for all PG programmes, which are equivalent and related with **National Programme on Technology Enhanced Learning/Study Webs of Active-Learning for Young Aspiring Minds (NPTEL/SWAYAM)** courses.
- The students have the option of taking two subjects of the sixth semester of their programme through NPTEL/SWAYAM portal from the list given by NPTEL and can complete the online course before fifth semester and submit the received original certificates to the COE office for getting approval. If the student completes these courses before the beginning of the sixth semester (UG)/fourth semester (PG), the candidate can be considered and exempted to write the examination from the assigned DSE courses in the sixth semester/fourth semester. They should complete only the self study course and project work during the VI/IV semester as assigned in the scheme. The candidate who completes the online courses and submits the successful course completion credentials, the credit transfer will be considered as per our Scheme of Examination for qualifying the degree. **The minimum duration of the registered online course must be 12 weeks.** Course duration of less than 12 weeks will not be considered.
- For all PG programmes, the candidates who were admitted during the academic year 2021-2022 under the Fast track system, for the self study course, the internal mark component will be as follows. For others regular internal pattern follows.

TEST	Max. Marks	Mode
CIA I	50 (50x1=50)	Online objective type
Model Exam.	50 (50x1=50)	Online objective type

Out of these two tests, the total marks will be converted into 40 marks as Internal.

- For all UG programmes, the candidates who were admitted during the academic year 2021-2022 under the Fast track system, for the self study course, the internal mark component will be as follows. For others regular internal pattern follows.

TEST	Max. Marks	Mode
CIA I	50 (50x1=50)	Online objective type
CIA II	50 (50x1=50)	Online objective type
Model Exam.	50 (50x1=50)	Online objective type

Out of three tests, the total mark will be converted into 30 marks as Internal.

- For the students admitted in Fast Track System, must enroll their names to the concerned department heads and get approval from the COE office at the beginning of III semester for all UG Programmes and at the beginning of II semester for all PG programmes.
- The students who cleared and got certified for online courses under the fast track system, the grade obtained will be converted into average marks of range. The received certificates must be submitted to the COE office for approval of the Controller and the Principal. The FTS courses will be treated as fully external.

DEPARTMENT OF BBA (LOGISTICS)				CLASS: I BBA (LOGISTICS)				
Sem	Course Type	Course Code	Course Title	Credits	Contact Hours / Week	CIA	Ext	Total
I	DSC	22BLU01	Core-I: Principles of Management	4	6	50	50	100

Nature of Course

Knowledge and Skill Oriented	Employability Oriented	✓
	Entrepreneurship Oriented	✓
	Skill Development	✓

Course Objectives

1. To create an understanding of the fundamental principles of management
2. To enable students understand the Roles of a Manager in an organization.
3. To understand the various forms of organization structures and Analyse a suitable organization structure.
4. To enable effective decision making and control for desired outcome.
5. To Develop the managerial skills of students for an effective application in their career.

Unit	Course Contents	Hours	K Level
I	Management: Meaning – Definitions –Nature - Scope- Distinction between Management and Administration. Management: A science or an art – Functions of Management- Levels of Management - Roles and Skills of a Manager- The evolution of Management Theory- (Henry Fayol, F.W. Taylor, Elton Mayo.)	15	Upto K4
II	Planning: Definition – Nature and Characteristics of Planning – Importance –Planning process- Types of Plans – Limitations, MBO- Definition –Process of MBO- Pros & Cons. Decision making: concept of decision and decision making - Decision making process - Types of Decisions –Environmental factors affecting management Decisions. (Globalization, Diversification and Technology)	15	Upto K4
III	Organizing: Meaning- Definition -Nature & Importance - Types of Organization - Organizational structure - Span of control, Delegation: Meaning – importance - Centralization Vs Decentralization. Departmentation: Meaning –Bases of Departmentation.	14	Upto K4
IV	Staffing & Directing: Staffing: Meaning – Definition-Objectives, Factors affecting, Staffing, Directing: Meaning-Nature - Importance–principles – Elements of Directing	14	Upto K4
V	Co-ordination &Controlling: Co-ordination: Meaning- Principles & Effective Coordination Techniques- Controlling: Definition – Characteristics of control – Steps in controlling –Controlling Techniques –Computers as management Tools.	14	Upto K4

Book for Study

1. P.C. Tripathy, P.N Reddy, Principles of Management, 6th Edition, Tata MC Graw Hill publishing Company Ltd.
2. Harold Knootz, Heinz Weinrich, Essential of Management, 6th Edition, Tata MC Graw Hill publishing company Ltd

Books for Reference

1. Bhushan Y.K, Business Organization, 4th Edition, Tata MC' Graw Hill publishing company Ltd.
2. L.M.Prasad, Principles of Management, 5th Edition, Himalaya Publication.
3. R.Vijayalakshmi, G.Ravindran, Principles of Management 2021, Charulatha Publications.
4. Dinkar Pagare, Principles of Management, Revised Edition 2018, Sultan Chand & Sons.
5. T. Ramasamy, —Principles of Management, Himalaya Publishing House, First Edition, 2014, I. M.
6. Shukla - Business Organisation and Management – S Chand & Company Ltd.

Web Resources

1. <https://openstax.org/details/books/principles-management>
2. <https://33bxy9cuw4c147.cloudfront.net/oscms-prod/cms-media/documents/PrinciplesofManagement-OP.pdf>
3. <https://www.coursera.org/learn/principles-of-management>
4. https://www.tutorialspoint.com/management_principles/index.htm

Pedagogy: Chalk & Talk, Exercise, Assignments, PPTs and ICT.

Rationale for Nature of the Course

Can understand the major functions of management (planning, organizing, leading, and controlling) and the significance of each function in relationship to the existence of the company.

Activities to be given

1. Assignments on Tesla Inc. - Four important and dynamic primary functions of management as planning, organizing, leading, and controlling. In this assignment identify, describe, and differentiate the four functions in the workplace of Tesla. Select one of the four functions of management that your reading and consideration leads you to believe is the most important.
2. Classroom activities involving lectures, discussions and case studies (topped up with role-play) will be given to encourage the students to get involved, absorb and assimilate inputs.

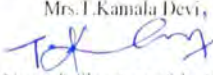

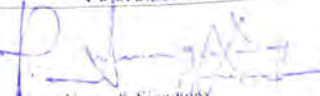
Course Learning Outcomes

CLOs	On Completion of the Course, the students should be able to	K - Level
CLO1	Evaluate the managerial skills related to the functioning of an organization.	Upto K4
CLO2	Analyze the managerial tasks of planning, organizing, and controlling and its relevance in business organization.	Upto K4
CLO3	Identify the various organization structures for grouping of activities, hierarchy of authority and responsibility, relationship for achievement of common goals.	Upto K4
CLO4	Analyze and interpret the concepts of directing the workforce, improving performance through motivation and effective leadership.	Upto K4
CLO5	Examine the techniques of Control, Coordination and their Characteristics and understanding control as a tool for an effective outcome.	Upto K4

Mapping of Course Learning Outcomes (CLOs) with Programme Outcomes (POs)

CLOs	Programme Outcomes (with Graduate Attributes)				
	PO 1	PO 2	PO 3	PO 4	PO 5
CLO 1	3	2	3	2	2
CLO 2	3	3	3	2	2
CLO 3	2	2	2	2	2
CLO 4	3	2	2	3	3
CLO 5	3	3	2	3	3

3 – Advance Application 2 – Intermediate Level 1 – Basic Level

Course Designed by	Verified by IIOD	Approved by CDC Coordinator
Mrs. I. Kamala Devi  Name & Signature of the Staff	Dr. R. Sabitha  Name & Signature	 Name & Signature

DEPARTMENT OF BBA (LOGISTICS)				CLASS: I BBA (LOGISTICS)				
Sem	Course Type	Course Code	Course Title	Credits	Contact Hours / Week	CIA	Ext	Total
1	Major Core	22BLU02	Core-II Fundamentals of Logistics	4	6	50	50	100

Nature of Course		
Knowledge and Skill Oriented	Employability Oriented	✓
	Entrepreneurship Oriented	✓
	Skill Development	✓

Course Objectives

1. To gain a working understanding of logistics principles and to expose students to the terms of logistics.
2. To provide the students an opportunity to learn the Logistics Interface and to relate the concepts to real life business.
3. To provide an overview of the key activities performed by the inventory control function.
4. To view logistics as more than an operational function that passively executes a plan for warehousing management
5. To identify with current challenges faced in outsourcing of logistics and to provide a basis for thinking through these challenges

Unit	Course Contents	Hours	K Level
I	Concept of Logistics Introduction – Definition of Logistics – Evolution of logistics – Functions – Types of logistics – Elements & activities involved in logistics – Role of logistics in economy–Difference between SCM & Logistics – Concept of Logistics management–Green Logistics–Meaning, Objectives and Challenges’-Logistics–Need and Types. F-I logistics and Elastic Logistics.	14	Up to K4
II	Logistics Interface and Channel management Logistics Interface: Introduction–Logistics Interface with marketing–Importance of export management Logistics Channel management: Introduction–Types of Intermediaries –Functions– Selection of channel members in logistics.	14	Up to K4
III	Inventory Management and Warehousing Inventory Management: Introduction– Functions& Importance of Inventory – Types of inventory –Concept of Inventory management–Effectiveness of inventory Management. Introduction–Functions of Warehousing–Types of Warehouses–Significance of Warehousing in logistics.	15	Up to K4
IV	Logistics Outsourcing Introduction–Concept of Logistics outsourcing–Benefits–Types of Logistics outsourcing–Risks involved in outsourcing–Role & Selection of Logistics service providers. Container- Definition, Benefits, Container stuffing	14	Up to K4
V	Introduction on Global and Reverse logistics Global Logistics: Introduction–Importance–Components of global logistics–Barriers to Global logistics. Reverse Logistics: Introduction–Need or Importance of Reverse logistics–Types of Reverse logistics –Feature trends of Reverse logistics.	15	Up to K4

Book for Study

1. Douglas Lambert, James R Stock, Lisa M.Elhram- Fundamentals of Logistics Management, McGraw-hill/ Irwin.
2. Krishnaveni Muthiah - Himalaya Publishing House, 2009- Logistics Management and World Seaborne Trade

Books for Reference

1. R.Thangamani, M.Kousalyadevi, Dr.A. Jeyanthi - Logistics Management- Sarada Publications
2. David B Arant, Chee Yew Wong- Fundamentals of Logistics Management - McGraw Hill Higher
3. David J. Donald, David J. Bowersox & David J. Closs- Logistical Management, Tata McGraw Hill Publishing Co Ltd

4. VinodV.Sople(2009)-LogisticManagement- pearson ltd
5. Ghiani Gianpaolo, (second edition). Introduction to Logistics Systems Management. John Wiley and Sons Ltd,

Web Resources (any two web)


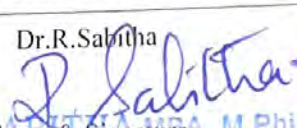
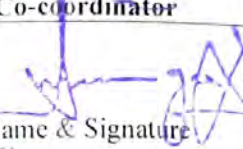
- 1 <http://www.academia.edu>
- 2 <http://www.michiganstateuniversityonline.com>
- 3

Pedagogy: Exercise, Assignments & PPTs.

Rationale for Nature of the Course: Can be professionals upgrading their professional knowledge on logistics to pursue higher studies.

Activities to be given

1. Case studies on various international shipping companies handling logistics challenges.
2. Group discussion current affairs on logistics Management (National/International issues)

Course Designed by	Verified by HOD	Approved by CDC Co-coordinator
Mr.M.Balaji  Name & Signature of the Staff	Dr.R.Sabitha  Name & Signature	 Name & Signature

Course Learning Outcomes

CLOs	On Completion of the Course, the students should be able to	K - Level
CO1	Demonstrate the concepts of Logistics management and understand the activities involved in logistics	Up to K4
CO2	Recognize and justify the Logistics interface with marketing and its Channel management	Up to K4
CO3	Identify the basic concepts of Inventory management & warehousing	Up to K4
CO4	Appraise the basic characteristics and costs of warehousing and materials handling activities	Up to K4
CO5	Examine Logistics outsourcing and to know the concepts of Global and Reverse logistics	Up to K4

Mapping of Course Learning Outcomes (CLOs) with Programme Outcomes (POs)

CLOs	Programme Outcomes (with Graduate Attributes)				
	PO 1	PO 2	PO 3	PO 4	PO 5
CLO 1	3	3	3	3	3
CLO 2	2	3	2	2	3
CLO 3	2	3	2	2	3
CLO 4	3	2	3	3	2
CLO 5	3	3	3	3	3

3 – Advance Application

2 – Intermediate Level

1 – Basic Level

DEPARTMENT OF BBA (LOGISTICS)				CLASS: I BBA (LOGISTICS)				
Sem	Course Type	Course Code	Course Title	Credits	Contact Hours / Week	CIA	Ext	Total
II	DSC	22BLU04	Core - III: Organisational Behaviour	4	5	50	50	100

Nature of Course

Knowledge and Skill Oriented	Employability Oriented	✓
	Entrepreneurship Oriented	✓
	Skill Development	✓

Course Objectives

1. To impart knowledge on various aspects of human behavior in organization
2. To enable students in understanding the role of personality and their influence in organizations
3. To develop attitude to increase efficiency in contributing to organizations effectiveness.
4. To understand and recognize the importance of group and team work for a collaborative environment.
5. To enhance and develop readiness of the student for choices and changes to face the challenges.

Unit	Course Contents	Hours	K Level
I	Organisational Behaviour: Definition- Importance and Scope of Organizational Behaviour, Factors influencing OB- Evolutions and theories in OB. Individual Differences - Intelligence tests - Measurement of Intelligence.	12	Upto K4
II	Personality: Meaning, Types, Determinants of Personality. Personality Theory (Psycho analytic Theory), Perception – Meaning- Process- Factors affecting Perception. Motivation – Meaning- Theories (Maslow's, Herzberg's, Alderfer's ERG, McGregors X and Y theory - Transactional Analysis	12	Upto K4
III	Learning – Meaning – Concepts – Process- Factors affecting learning Job Satisfaction-Meaning - Measurement of Job satisfaction. Morale – meaning- Importance. Attitude: Meaning and Components, Employee Attitude and Behaviour.	12	Upto K4
IV	Group dynamics: Group-Meaning-types, group cohesiveness –Group norms- Group decision making. Conflict – Meaning - Concepts, Types, Resolution of Conflict (Case Study).	12	Upto K4
V	Leadership: Meaning- Characteristics of a Successful Leader. Leadership Styles- Theories (Managerial Grid, Trait Theory, Situational Theory, Fielders Contingency Model). Counseling: Meaning- Importance – Types (Case Study).	12	Upto K4

Book for Study

1. Prasad.L.M - "Organizational Behaviour, 5th Edition, Sultan Chand & Son, New Delhi.
2. Stephen P. Robbins, Timothy A Judge & Scema Sanghi - "Organizational Behaviour", Pearson Education Ltd

Books for Reference

1. Fred Luthan - "Organizational Behaviour" McGraw Hill
2. S.S Khanka , Organisational Behaviour , S.Chand & Co , New Delhi
3. M.Kousalyadevi & Dr.A.Jeyanthi – "Organisational Behaviour" Pradent publisher
4. Uma Sekaran, Organisational Behaviour Text & cases, 2nd edition, Tata McGraw Hill Publishing CO.Ltd
5. Gangadhar Rao,Narayana ,V.S.P Rao, Organisational Behaviour 1987, Reprint 2000, Konark Publishers Pvt.Ltd , 1st edition

Web Resources

1. <https://openstax.org/details/books/organizational-behavior>
2. <https://opentextbc.ca/organizationalbehavioropenstax/>

3. http://tashfeen.phworks.com/f/Organizational_Behaviour.pdf
4. <https://www.coursera.org/learn/organizational-behaviour-know-your-people>
5. https://www.tutorialspoint.com/organizational_behavior/organizational_behavior_tutorial.pdf

Pedagogy: Chalk & Talk, Case studies, Role play, Exercise, Assignments, PPTs and ICT.

Rationale for Nature of the Course

Can understand the business environment of how individual and group to behave in the workplace and their impact on productivity and profitability.

Activities to be given

1. Activities under the topic should be demonstrated
 - (i) Time Management Analysis
 - (ii) Leadership
 - (iii) Decision Making
2. Classroom activities involving lectures, discussions and case studies (topped up with role-play) will be given to encourage the students to get involved, absorb and assimilate inputs.

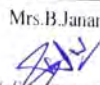
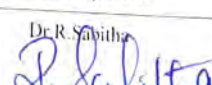
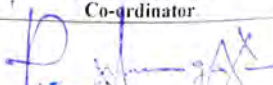
Course Learning Outcomes

CLOs	On Completion of the Course, the students should be able to	K - Level
CLO1	Demonstrate the concepts of organizational behavior and its contribution to the development of an organization	Upto K4
CLO2	Develop the components of Individual Behaviour and apply the concept of Learning, Perception, Attitudes and values the organizations.	Upto K4
CLO3	Examining the determinants of Job Satisfaction, Employee Morale and Attitude	Upto K4
CLO4	Appraising the significance of the behaviour of individuals and groups and resolving conflicts.	Upto K4
CLO5	Apply the leadership skills acquired and their practical applications in employment and business.	Upto K4

Mapping of Course Learning Outcomes (CLOs) with Programme Outcomes (POs)

CLOs	Programme Outcomes (with Graduate Attributes)				
	PO 1	PO 2	PO 3	PO 4	PO 5
CLO 1	3	2	3	3	2
CLO 2	3	3	3	3	2
CLO 3	3	3	2	3	3
CLO 4	3	3	2	2	3
CLO 5	2	3	2	3	2

3 – Advance Application 2 – Intermediate Level 1 – Basic Level

Course Designed by	Verified by HOD	Approved by CDC Co-ordinator
Mrs.B.Janani  Name & Signature of the Staff	Dr.R.Sabitha  Name & Signature	 Name & Signature

Dr. R. SABITHA M.A., M.Phil., Ph.D.,
Head & Associate Professor,
Department of English,
Mindjithan College of Arts and Science,
Calicut-671 236.

DEPARTMENT OF BBA (LOGISTICS)				CLASS: I BBA (LOGISTICS)				
Sem	Course Type	Course Code	Course Title	Credits	Contact Hours / Week	CIA	Ext	Total
II	DSC	22BLU05	Core - IV: Production and Operations Management	5	5	50	50	100

Nature of Course

Knowledge and Skill oriented	Employability Oriented	✓
	Entrepreneurship Oriented	✓
	Skill Development	✓

Course Objectives

- To develop an understanding of and an appreciation for the production and operations management function in any organization.
- To understand the importance of an effective production and operations strategy to an organization.
- To understand the importance of product and service design decisions and its impact other design decisions and operations. Obtain an understanding of quality management practice in organizations and how total quality management and six-sigma facilitate organizational effectiveness.
- To understand the roles of inventories and basics of managing inventories in various demand settings.
- To understand contemporary operations and manufacturing organizational approaches and the supply-chain management activities and the renewed importance of this aspect of organizational strategy.

Unit	Course Contents	Hours	K Level
I	INTRODUCTION TO PRODUCTION AND OPERATIONS MANAGEMENT Introduction - Meaning and Definition; Classification - Objectives and Scope of Production and Operation Management. Recent trends in Production / operations management. Duties and Responsibilities of Operations Management. Automation: Introduction, Meaning and Definition, Needs, Types, Advantages and Disadvantages.	12	Upto K4
II	PLANT LOCATION AND LAYOUT Introduction-Meaning and Definition, Nature, Factors considered in location, Methods and Type of areas. Multiple Plant Location Decision-Plant Location Trends Plant layout: Meaning, definition scope and principles, space requirement, factors influencing layout, types of layout, importance of layout, layout planning, layout tools and techniques, criteria for selection and design of layout	12	Upto K4
III	PURCHASING AND MATERIALS MANAGEMENT Introduction - Meaning and Definition-Objectives and Importance of Material Management, Vendor rating and Value Analysis. - Selection of Suppliers. - Purchasing -Objectives, Functions, Policies, Steps In Purchasing Procedure - Methods, Stores Management-Nature, Layout, Classification and Coding, Inventory Control -Objectives, Just-In-Time; Basic Elements and Applications- Automation in Materials Handling.	12	Upto K4
IV	QUALITY CONTROL Quality control - Meaning - Types of Inspection - Purpose of inspection, TQM: Meaning - Objectives - Elements, Bench marking: Meaning - objectives -advantages, Lean six sigma management ISO: Features-Advantages-Procedure for obtaining ISO. Modern Trends in Manufacturing	12	Upto K4
V	MAINTENANCE AND WASTE MANAGEMENT Introduction - Meaning - Objectives - Types of maintenance, Break down, spares planning and control, preventive routine, relative advantages, maintenance scheduling, equipment reliability and modern scientific maintenance methods- Waste Management-Scrap and surplus disposal.	12	Upto K4

salvage and recovery. E- Waste Management.

Book for Study

1. Chary, S.N., "Production and Operations Management", 5th Edition, Tata McGraw-Hill, 2012
2. Upendra kachru, "Production and Operations Management", Excel Books

Books for Reference

1. Aswathappa K and Shridhara Bhat K, "Production and Operations Management", Himalaya Publishing House, Revised Second Edition, 2008
2. Krajewski, J., "Operations Management: Processes and Supply Chains", 9th Edition, Pearson, 2011.
3. Metters, R., King- Metters, K.H., Pullman, M. and Walton, S., "Successful Service Operations Management", Cengage Learning, 2nd Edition 2012.
4. Pannerselvam R, "Production and Operations Management", Prentice Hall India, Second Edition, 2008.
5. Heizer, J., Render, B. and Rajashekhar, J., "Operations Management", 9th Edition, Pearson, 2009.

Web Resources

1. https://www.academia.edu/23992923/Production_and_Operations_Management_2nd_Edition_by_S_Anil_Kumar_and_N_Suresh
2. <https://www.youtube.com/watch?v=HF0E8WeEUVM>
3. <https://www.youtube.com/watch?v=sL7hi5i9xMo>

Pedagogy: Exercise, Assignments & PPTs.

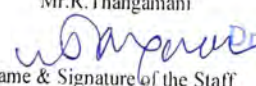

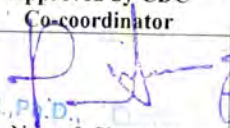
Rationale for Nature of the Course

Encompasses both services and manufacturing. Effectively and efficiently managing productivity, Product design, operation, and control of the transformation process, into goods and services that are sold to customers.

Activities to be given

1. Prepare the components of systems productivity?
2. What do you understand by 'industry best practice'? Briefly explain the different types of Benchmarking
3. Assignment on various automated systems for transfer of materials in production an example.
4. Explain the different types of Quality Control Tools with examples?
5. Discussion on CIM, KAIZEN, GEMA, Poke

Name of the Course Designer:

Course Designed by	Verified by HOD	Approved by CDC Co-coordinator
Mr.R.Thangamani  Name & Signature of the Staff	Dr.R.Sabitha  Name & Signature of Professor	 Name & Signature

Course Learning Outcomes

CLOs	On completion of the course, the students should be able to	K-Level
CLO 1	Demonstrate the key aspects of operations and product management process at the operational and strategic levels and how it contributes to the competitiveness of organizations	UptoK4
CLO 2	Examine the various parts of Plant location, plant layout and organizational physical facilities	UptoK4
CLO 3	Determine most suitable inventories techniques and quality maintenance in the organization	UptoK4
CLO 4	Assess the quality management practice in organizations and how total quality management and six-sigma facilitate organizational effectiveness	UptoK4
CLO 5	Analyse the contemporary operations and manufacturing organizational approaches and the supply-chain management activities and the renewed importance of this aspect of organizational	UptoK4

Mapping of Course Learning Outcomes (CLOs) with Programme Outcomes (POs)

(CLOs)	Programme Outcomes (with Graduate Attributes)					
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6
CLO 1	3	3	2	3	3	3
CLO 2	3	3	2	3	3	3
CLO 3	3	3	2	3	3	3
CLO 4	3	3	2	3	3	3
CLO 5	3	3	2	3	3	3

3 – Advance Application 2 – Intermediate Level 1 – Basic Level

DEPARTMENT OF BBA (LOGISTICS)				CLASS: I BBA (LOGISTICS)				
Sem	Course Type	Course Code	Course Title	Credits	Contact Hours / Week	CIA	Ext	Total
I	Major Core	22BLU06	Core-V Supply Chain Management	4	5	50	50	100

Nature of Course		
Knowledge and Skill Oriented	Employability Oriented	✓
	Entrepreneurship Oriented	✓
	Skill Development	✓

Course Objectives

- To describe the increasing significance of supply chain management.
- To incorporate and learn the critical elements of logistics and transportation and warehousing processes based on the most relevant application in companies.
- To develop criteria and standards to achieve improved business performance by collaborative planning among the supply chain partners.
- To describe the ways to shift the business culture from functional work to overall process-driven results.
- To work with integrated IT solutions for "real world" which reflect the challenges faced on-the-job, while learning new thinking and logistical approaches for improved business results.

Unit	Course Contents	Hours	K Level
I	INTRODUCTION TO SUPPLY CHAIN MANAGEMENT (SCM) Role of Logistics and Supply chain Management: Scope and Importance- Evolution of Supply Chain- Decision Phases in Supply Chain- Competitive and Supply chain Strategies – Drivers of Supply Chain Performance and Obstacles. Dimensions of Logistics–The Macro perspective and the macro dimension–Logistic system analysis–Green Supply Chain Management. Supply chain 4.0	14	Up to K4
II	SUPPLY CHAIN NETWORK DESIGN Role of Distribution in Supply Chain – Factors influencing Distribution network design – Design options for Distribution Network Distribution Network in Practice-Role of network Design in Supply Chain– Framework for network Decisions.	10	Up to K4
III	LOGISTICS IN SUPPLY CHAIN Role of transportation in supply chain – factors affecting transportation decision –Design option for transportation network – Tailored transportation – Routing and scheduling in transportation.	12	Up to K3
IV	SOURCING AND COORDINATION IN SUPPLY CHAIN Role of sourcing supply chain supplier selection assessment and contracts- Design collaboration - sourcing planning and analysis - supply chain co-ordination - Bullwhip effect–Effect of lack of co-ordination in supply chain and obstacles–Building strategic partnerships and trust within a supply chain.	12	Up to K3
V	SUPPLY CHAIN AND INFORMATION TECHNOLOGY Theory in supply chain- The supply chain IT framework Customer	12	Up to K4

Relationship Management-Internal supply chain management-supplier relationship management - future of IT in supply chain - E-Business in supply chain.-Themulti-channel revolution 2020 vision

Note: The Questions should be asked in the ratio of 100% theory.

Book for Study

1. Sunil Chopra, Peter Meindl and Kalra, Supply Chain Management, Strategy, Planning, and Operation, Pearson Education, 2010.
2. Michael Hugos, Essential of supply chain management, fourth edition, Willwy publication.

Books for Reference

1. Altekarr Rahul V. Supply Chain Management – Concept and cases, Prentice Hall India, 2005.
2. ShapiroJeremy F. ModelingtheSupply Chain, ThomsonLearning, SecondReprint, 2002.
3. BallouRonaldH. BusinessLogisticsandSupplyChainManagement, PearsonEducation, SecondIndianReprint, 2004
4. Bowersox, Cross, Cooper, (2012), Supply Chain Logistics Management, latest Edition, McGraw Hill, New Delhi
5. Simchi-Levi, P. Kaminski and E. Simchi-Levi, (2012), Designing and Managing the Supply Chain; Concepts, Strategies and Case Studies, latest Edition, McGrawHill, New Delhi.

Web Resources

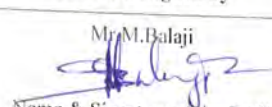
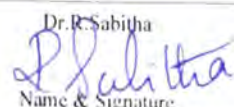
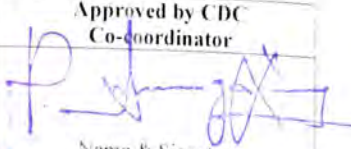
1. <https://www.youtube.com/watch?v=IzPO5ReIZEo>
2. <https://www.youtube.com/watch?v=raqi4giMLm8>

Pedagogy: Exercise, Assignments & PPTs.

Rationale for Nature of the Course: Can be professionals in managing advance tasks to pursue higher studies.

Activities to be given

1. Case studies on various supply chain issues and challenges to improve problem solving ability in Supply Chain Management.
2. Preparing comprehensive advanced Strategies through team discussions.
3. Providing additional course related to SCM to improve their practical knowledge applications.

Course Designed by	Verified by HOD	Approved by CDC Co-coordinator
Mr. M. Balaji  Name & Signature of the Staff	Dr. R. Sabitha  Name & Signature	 Name & Signature

Course Learning Outcomes

CLOs	On Completion of the Course, the students should be able to	K - Level
CO1	Recognizing the fundamental supply chain management concepts and its implications in decision phases of supply chain management.	Up to K4
CO2	Identify the foundational role of logistics as it relates to transportation and warehousing while judge the suitable design for distribution network	Up to K4
CO3	Examine the importance of collaborative planning among supply chain partners and focus on tailored transportation	Up to K4
CO4	Appraise the strategies that can be taken to manage inventories.	Up to K4
CO5	Analyze the integration of IT solutions for Logistics and Supply Chain	Up to K4

Mapping of Course Learning Outcomes (CLOs) with Programme Outcomes (POs)

CLOs	Programme Outcomes (with Graduate Attributes)				
	PO 1	PO 2	PO 3	PO 4	PO 5
CLO 1	3	3	2	2	3
CLO 2	2	3	2	3	2
CLO 3	2	2	2	2	2
CLO 4	3	3	3	3	3
CLO 5	3	3	2	3	3

3 – Advance Application 2 – Intermediate Level 1 – Basic Level