

Holy Cross College (Autonomous), Nagercoil
Kanyakumari District, Tamil Nadu.
Accredited with A⁺ by NAAC - IV cycle – CGPA 3.35

Affiliated to

Manonmaniam Sundaranar University, Tirunelveli



Semester I & II

Guidelines & Syllabus

DEPARTMENT OF ECONOMICS



2023-2026

(With effect from the academic year 2023-2024)

Issued from

THE DEANS' OFFICE

Vision

We aim at nurturing the knowledge of dynamics of Economics in our students with research thrust and career orientation, enabling them to analyse economic issues from time to time.

Mission

- To frame suitable study methods and to make teaching student centric
- To train our students to become career oriented
- To tap the talents and analytical skills of our students
- To promote entrepreneurship skill and nurture social responsibility

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

POs	Upon completion of M.A./ M. Sc. /MSW Degree Programme, the graduates will be able to:	Mapping with Mission
PEO1	apply scientific and computational technology to solve socio ecological issues and pursue research.	M1, M2
PEO2	continue to learn and advance their career in industry both in private and public sectors	M4 & M5
PEO2	develop leadership, teamwork, and professional abilities to become a more cultured and civilized person and to tackle the challenges in serving the country.	M2, M5 & M6

PROGRAMME OUTCOMES (POs)

PO	Upon completion of M.A./MSW Degree Programme, the graduates will be able to:	Mapping with PEOs
PO1	enhance in-depth learning by using innovative technological sources	PEO1
PO2	design and undertake individual research which will contribute to the future ideological and societal development	PEO1, PEO 2 & PEO3
PO3	integrate various theories and methodologies relating to social and environmental contexts.	PEO 2
PO4	excel in competitive examinations, face interviews and handle real life situations.	PEO 2& PEO 3
PO5	articulate critically to address the emerging national and global challenges with an ethical outlook.	PEO1, PEO 2 & PEO3
PO6	perform the professionalism and team spirit and exhibit leadership, communication and managerial skills.	PEO 2& PEO 3
PO7	learn independently for lifelong to execute professional, social and ethical responsibilities promoting sustainable development	PEO 3

Programme Specific Outcomes (PSOs)

PSO	Upon completion of M.A. Economics Programme, the graduates will be able to:
PSO1	demonstrate an understanding of complex economics mechanism that characterise modern society and to develop ability to present economic theory and applications in decision making in real life.
PSO2	analyse and investigate economic theory and issues in the field of economics as well as contemporary socio-economic problems along with formulation and analyses of policy; and to understand how economy is influenced by economic policy and planning, technological advances and demographic conditions.

PSO3	to adopt the digital advancement in the field to understand complex economic mechanism using statistical tools and packages and to embrace new opportunity in emerging technology and also to develop the ability to explain core economic terms, concepts, and theories including but not limited to the function of market and prices as allocative mechanisms; benefit/cost analysis; market failure and role of state; and other critical areas of economics.
PSO4	develop understanding of economic trade-offs and social values, impact public/private socio-economic policy for the achievement of intended outcomes which provide skills to become empowered and forecast outcomes of the policy as an entrepreneur employed in various positions.
PSO5	demonstrate the ability to employ the “economic way of thinking.” i.e. the ability to use critical thinking skills within the discipline of economics about economic matters, social and moral ethics and to Construct systematic model for analysis and make use of knowledge on finance, health, environmental economics, rural economics, regional economics and Economics of Natural Resources, to formulate policies for sustainability on community and protective environment.

Eligibility for Admission

A pass degree in B.A Economics from any recognized university.

Duration of the Course: 2 years

Medium of Instruction: English

Passing Minimum:

A minimum of 50% in the external examination and an aggregate of minimum 50% are required. There is no minimum pass mark for the continuous internal assessment.

Components of the M.A. Economics Programme:

Part III (Core Course and Elective Course)

Core Course	(12x100)	1200
Elective Course	(6x100)	600
Core Project	(1x100)	100
Total Marks		1900

Course Structure

(i) Curricular Courses:

Distribution of Hours and Credits

Course	SEMESTER				Total	
	I	II	III	IV	Hours	Credits
Core Courses	7(5) + 7(5) + 6(4)	6(5)+ 6(5)+ 6(4)	6(5) + 6(5) + 6(5) +	6(5) + 6 (5)	74	57

			6 (4)			
Elective Courses	5 (3) + 5 (3)	4 (3) + 4 (3)	3 (3) -	4 (3) -	25	18
Core Project		-		10 (7)	10	7
Skill Enhancement Course		4 (2)	3 (2)	4 (2)	11	6
Internship/ Industrial Activity			(2)		-	2
Extension Activity				(1)	-	1
Total	30 (20)	30 (22)	30 (26)	30 (23)	120	91

(ii) Co-curricular Courses

Course	SEMESTER				Total
	I	II	III	IV	Credits
Life Skill Training –I	-	(1)	-	-	1
Life Skill Training –II	-	-	-	(1)	1
Field Project	(1)		-		1
Specific Value-Added Courses	(1)		(1)		2
Generic Value-Added Courses		(1)		(1)	2
MOOC		(1)		(1)	2
Community Engagement Activity (UBA)		(1)			1

Total Number of Hours = 120

Total Number of Credits = 91 + (10)

Non-academic courses are mandatory and conducted outside the regular working hours.

**Courses Offered
Semester I**

Course Code	Title of the Course	Credits	Hours / Week
FP231CC1	Core Course I: Advanced Micro Economics	5	7
FP231CC2	Core Course II: Indian Economic Development and Policy	5	7
FP231CC3	Core Course III: Statistics for Economists	4	6
FP 231EC1	Elective Course I: a) Modern Economic Thought	3	5
FP231EC2	Elective Course I: b) Rural Economics		
FP231EC3	Elective Course I: c) Economics of Infrastructure		
FP231EC4	Elective Course II: a) Regional Economics	3	5
FP231EC5	Elective Course II: b) Welfare Economics		
FP231EC6	Elective Course II: c) Maritime Economics		
	Total	20	30

Semester II

Course Code	Title of the Course	Credits	Hours / Week
FP232CC1	Core Course IV: Monetary Economics	5	6
FP232CC2	Core Course V: Labour Economics	5	6
FP232CC3	Core Course VI: Mathematical Economics	4	6
FP232 EC1	Elective Course III : a) Gender Economics	3	4
FP232 EC2	Elective Course III : b) Urban Economics		
FP232 EC3	Elective Course III : c) Social Entrepreneurship in Health and Hygiene		
FP232 EC4	Elective Course IV : a) Resource Economics	3	4
FP232EC5	Elective Course IV : b) Economics of Climate Change		
FP232EC6	Elective Course IV : c) Population Studies		
FP232SE1	Skill Enhancement Course I : Social Ethics and Responsibilities – Women Empowerment, Disability, Social Inclusion	2	4
	Total	22	30

Curricular Courses

Semester	Code	Title of the Course	Credit
I & II	PG23LST1	Life Skill Training	1
II & IV	-	MOOC	1+1
II	PG232CE1	Community Engagement Activity (UBA)	1
III & IV	PG23LST2	Life Skill Training	1
I	FP231FP1	Field Project	1
I&III	FP231V01 /FP233V01	Specific Value-added Course	1+1
II & IV	PG232V01- PG232V12/ PG234V01- PG234V12	Generic Value-added Course	1+1
		Total	10

Specific Value added Course

S. No.	Course code	Title of the course	Total hours
I	FP231V01	Logistic Management	30

Examination Pattern

i) Core Course / Elective Course

Internal: External–25:75

Continuous Internal Assessment (CIA)

Internal Components and Distribution of Marks

Components	Marks
Internal test (2) (40 marks)	10
Quiz (2) (20 marks)	5
Seminar (10 marks)	5
Assignment: (Model Making, Exhibition, Role Play, Group Discussion, Problem Solving, Class Test, Open Book Test (Minimum three items per course) (30 marks)	5
Total	25

Question Pattern

Internal Test	Marks	External Exam	Marks
Part A 4 x 1 (No choice)	4	Part A 10 x 1 (No choice)	10
Part B 3 x 4 (Internal choice)	12	Part B 5 x 6 (Internal choice)	30
Part C 3 x 8 (Internal choice)	24	Part C 5 x 12 (Internal choice)	60
Total	40	Total	100

ii) Lab Course:

Ratio of Internal and External= 25:75

Total: 100 marks

Internal Components and Distribution of Marks

Internal Components	Marks
Performance of the Experiments	10
Regularity in attending practical and submission of records	5
Record	5
Model exam	5
Total	25

Question pattern

External Exam	Marks
Major Practical	75
Minor Practical / Spotters /Record	
Total	75

iii) Skill Enhancement Course

Ratio of Internal and External = 25: 75

Internal Components and Distribution of Marks

Components	Marks
Internal test (2)	10
Quiz (2)	5
Assignment: (Model Making, Exhibition, Role Play, Album, Group Activity (Mime, Skit, Song) (Minimum three items per course)	10
Total	25

Question Pattern

Internal Test	Marks	External Exam	Marks
Part A 2 x 2(No Choice)	4	Part A 5 x 2(No Choice)	10
Part B 3 x 4 (Open choice Three out of Five)	12	Part B 5 x 5 (Open choice any Five out of Eight)	25
Part C 1 x 9 (Open choice One out of Three)	9	Part C 5 x 8 (Open choice any Five out of Eight)	40
Total	25	Total	75

iv) Internship/ Industrial Activity

Components	Marks
Industry Contribution	50
Report & Viva-voce	50

v) Core Project:

Ratio of Internal and External 25 : 75

Internal (Supervisor)	Marks
I Review	5
II Review	5
Report	15
External (External Examiner)	
Report	40
Viva-voce (individual, open viva-voce)	35
Total	100

Co-Curricular Courses:

(i) Life Skill Training

Internal Component

Components		Marks
Life Skill Training -I	Album (20 pages)	30
	Group Song, Mime, Skit (Group of 5students)	20
	Total	50
Life Skill Training -II	Case Study (30 pages)	50
	Total	50

External Component

Written Test	Five out of Seven (5 x 10)	50
	Total	50

(ii) Field Project:

Components	Marks
Field Work	50
Report & Viva-voce	50

(iii) Specific Value-Added Courses & Generic Value-Added Courses:

Components	Marks
Internal	25
External	75

(iv) Community Engagement Activity-UBA

Internal Component	
Component	Marks

Attendance (Field Work)	30
Participation	20
Total	50

External Component

Component	Marks
Group Project Report/ Case Study (10-15 pages in print)	50
Total	50

Outcome Based Education

(i) Knowledge levels for assessment of Outcomes based on Blooms Taxonomy

S. No	Level	Parameter	Description
1	K1	Knowledge/Remembering	It is the ability to remember the previously learned
2	K2	Comprehension/Understanding	The learner explains ideas or concepts
3	K3	Application/Applying	The learner uses information in a new way
4	K4	Analysis/Analysing	The learner distinguishes among different parts
5	K5	Evaluation/Evaluating	The learner justifies a stand or decision
6	K6	Synthesis /Creating	The learner creates a new product or point of view

(ii) Weightage of K – levels in Question Paper

Number of questions for each cognitive level:

Assessment	Cognitive Level	K1			K2			K3			K4, K5, K6			Total
		A	B	C	A	B	C	A	B	C	A	B	C	
Internal Test	Part	A	B	C	A	B	C	A	B	C	A	B	C	
	No. Of Questions	1	1			1		1		1	2	1	2	10
External Examination	Part	A	B	C	A	B	C	A	B	C	A	B	C	
	No. Of Questions	3	-	1	3	1	1	1	2	1	3	2	2	20

Evaluation

- i. The performance of a student in each Course is evaluated in terms of percentage of marks with a provision for conversion to grade points.
- ii. Evaluation for each Course shall be done by a Continuous Internal Assessment (CIA) by the Course teacher as well as by an end semester examination and will be consolidated at the end

- of the semester.
- iii. There shall be examinations at the end of each semester, for odd semesters in October/November; for even semesters in April / May.
 - iv. A candidate who does not pass the examination in any course (s) shall be permitted to re-appear in such failed course (s) in the subsequent examination to be held in October / November or April / May. However, candidates who have arrears in Practical Examination(s) shall be permitted to re-appear for their arrears only along with Regular Practical examinations in the respective semester.
 - iv. Viva- voce: Each candidate shall be required to appear for Viva-voce Examination in defense of the Project.
 - vi. The results of all the examinations will be published in the College website.

Conferment of the Master's Degree

A candidate shall be eligible for the conferment of the Degree of Master of Arts / Science / Commerce only if the minimum required credits for the programme thereof (91 +10 credits) is earned.

Grading System

For a semester examination:

Calculation of Grade Point Average for End Semester Examination:

$$\text{GPA} = \frac{\text{Sum of the multiplication of grade points by the credits of the course}}{\text{Sum of the credits of the courses (passed) in a semester}}$$

For the entire programme:

$$\text{Cumulative Grade Point Average (CGPA)} = \frac{\sum_n \sum_i C_{ni} G_{ni}}{\sum_n \sum_i C_{ni}}$$

$$\text{CGPA} = \frac{\text{Sum of the multiplication of grade points by the credits of the entire programme}}{\text{Sum of the credits of the courses of the entire programme}}$$

Where

C_i - Credits earned for course i in any semester

G_i - Grade point obtained for course i in any semester

n - semester in which such courses were credited

Final Result

Conversion of Marks to Grade Points and Letter Grade

Range of Marks	Grade Points	Letter Grade	Description
90-100	9.0-10.0	O	Outstanding
80-89	8.0-8.9	D+	Excellent
75-79	7.5-7.9	D	Distinction
70-74	7.0-7.4	A+	Very Good
60-69	6.0-6.9	A	Good
50-59	5.0-5.9	B	Average
00-49	0.0	U	Re-Appear
ABSENT	0.0	AAA	ABSENT

Overall Performance

CGPA	Grade	Classification of Final Results
9.5-10.0	O+	First Class – Exemplary*
9.0 and above but below 9.5	O	
8.5 and above but below 9.0	D++	First Class with Distinction*
8.0 and above but below 8.5	D+	

7.5 and above but below 8.0	D	
7.0 and above but below 7.5	A++	First Class
6.5 and above but below 7.0	A+	
6.0 and above but below 6.5	A	
5.5 and above but below 6.0	B+	Second Class
5.0 and above but below 5.5	B	
0.0 and above but below 5.0	U	Re-appear

*The candidates who have passed in the first appearance and within the prescribed semester are eligible.

SEMESTER I
CORE COURSE I: ADVANCED MICRO ECONOMICS

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP231CC1	6	1	-	-	5	7	105	25	75	100

Pre – requisite

Students should know the various Micro economic variables and theories

Learning Objectives

1. To make the students understand consumer behaviour with the theories of Demand and Production
2. To elaborate various market structure and the theories of distribution

Course Outcomes

On the successful completion of the course, student will be able to :		
1	remember the concepts of consumer behavior	K1
2	understand the theories of under uncertainty.	K2
3	apply how price and output is determined in different market situations and analyse the market structures	K3 & K5
4	analyse the alternative theories of firms.	K4
5	evaluate the role of trade unions and explain the theory of distribution.	K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5**- Evaluate; **K6** - Create

Units	Contents	No. of Hours
I	Consumer Choice Cardinal and ordinal utility - Indifference curve approach – Slutsky’s Decomposition of price effect into substitution effect and income effect – Consumer surplus - Marshall’s and Hicksian measures – Compensatory Demand Curve- Revealed Preference Theorem- and derivation of Marginal Utility schedule for money income.	21
II	Economics of Information Informational asymmetry – Choice under Uncertainty - N-M Index – Inter-temporal choice -Market for lemons- Adverse selection – Insurance market and adverse selection – Solution to principal agent problem- Hidden action (Moral Hazard) - Signaling and Screening.	21
III	Market Structure Models Perfect competition – Price and output determination – Optimum firm-Monopoly – Short run and long run equilibrium - Price discrimination monopoly control, and regulation – Contestable Market- Monopolistic competition–Chamberlin Model- selling costs - Excess capacity – Oligopoly – Duopoly price game-dominant strategy-Nash Equilibrium Non-collusive Models - Cournot- Bertrand – Chamberlin – Edgeworth –Sweezy –	21

	Stackelberg- Oligopoly - Collusive Models - Cartels and mergers - Price leadership - Base point price system Monopsony – Price and output determination – Workable competition.	
IV	Alternative Theories of Firm Full Cost Pricing Rule- Limits pricing theory- Bains Theory- Sylos-Labini Model-Modigliani’s Models- Input-output model - Linear programming applications in decision making- Peak Load Pricing – Administered Pricing- Purchasing Power Parity Price.	21
V	Distribution Theories Neo-classical approach – Marginal productivity theory; Product exhaustion theorem; - Modern theory of distribution – Factor Pricing in imperfect product and factor markets- Determination of Wages –Labour supply and wage determination – Role of trade unions and collective bargaining- Theories of Interest- Theories of Profit.	21
Self Study Consumer Surplus and Monopoly		

Text Books

1. Ahuja H. L., 2017, Advanced Economic Theory, (21st Edition), S. Chand and Company Limited, New Delhi, No. of Pages as PP-1347.
2. Koutsiyannis A. (1978), 3rd Modern Micro Economics, (Macmillan- London). No. of Pages PP-453

Reference Books

1. Ahuja H. L., 2017, Advanced Economic Theory, (21st Edition), S. Chand and Company Limited, New Delhi PP-1347.
2. Hal R. Varian (2004), Intermediate Micro Economics 8th Edition (East-West Press: New Delhi). No. of Pages as PP-739
3. Ruffin Roy. J (1992), 2nd Intermediate Micro Economics Harper & Collins Publishers. No. of Pages as PP-588
4. Koutsiyannis A. (1978), 3rd Modern Micro Economics, (Macmillan- London). No. of Pages as PP-453

Web Resources

1. <http://open.oregonstate.education/intermediatemicroeconomics/chapter/module1>
2. http://saylordotorg.github.io/text_introduction-to-economic-analysis/s16-monopoly.html
3. http://saylordotorg.github.io/text_introduction-to-economic-analysis/s17-games-and-strategic-behaviour.html

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	3	3	3	2	3	3	3	3	3
CO2	3	2	3	3	2	2	3	3	3	3	3
CO3	2	3	3	3	2	3	3	3	3	3	3
CO4	2	3	3	3	3	3	3	3	3	3	3
CO5	3	3	3	3	2	2	3	3	3	3	3
Total	13	13	15	15	12	12	15	15	15	15	15
Average	2.6	2.6	3	3	2.4	2.4	3	3	3	3	3

3- Strong; 2- Medium; 1 - Low

SEMESTER I
CORE COURSE II: INDIAN ECONOMIC DEVELOPMENT AND POLICY

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP231CC2	6	1	-	-	5	7	105	25	75	100

Pre – requisite

Acquire the Knowledge of availability of resources and Challenges of Indian Economy

Learning Objectives

1. To provide a macroeconomic understanding of the Indian Economy
2. The students become aware of various challenges of the Indian Economy

Course Outcomes

On the successful completion of the course, student will be able to :		
1	remember the structural change in the Indian Economy	K1
2	remember the Performance of agricultural and industrial sector	K1 & K2
3	ability to learn the trends in the economy	K2 & K3
4	identify the Impact of Poverty	K3 & K4
5	analyze the social issues like unemployment, gender disparities	K5

K1- Remember ; K2 – Understand; K3 – Apply; K4 – Analyze; K5- Evaluate

Units	Contents	No. of Hours
I	Introduction Growth and Structural Change Indian economy at Independence- The policy framework: statist policy, transition to market-oriented policy, role of erstwhile Planning Commission and NITI Aayog- Two phases of growth (1950-1980 and 1980 onwards), factors underlying turnaround- Structural change in Indian economy.	21
II	Agricultural and Industrial Sector Agricultural and Industrial Sectors - Agricultural Sector Performance of agricultural sector, factors determining agricultural growth - Factors underlying food inflation- Agricultural price policy and food security Industrial Growth - Industrial growth before and after reforms - Dualism in Indian manufacturing- Issues in performance of public sector enterprises and privatization.	21
III	Fiscal Developments Fiscal Developments, Finance and External Sector Expenditure trends- GST: rationale and impact- Evolution of the financial sector in post-liberalization period- External sector performance: emergence of India as major exporter in services, performance of manufacturing sector.	21
IV	Poverty and Inequality Poverty and Inequality - Measuring poverty in India: Selection of poverty lines- Poverty in pre and post liberalization periods- Impact	21

	of growth on poverty- PDS vs cash transfers, feasibility of universal basic income in India - Inequality in India in pre and post liberalization periods.	
V	Social Sector Social Issues Gender gap in India and trends in female labour force participation rates, factors determining female labour force participation- Employment: changing nature of employment in India, "jobless growth"- Labour in informal sector- India's graphic transition.	2 1

Self Study	Poverty and Inequality
-------------------	------------------------

Text Books

1. Sundaram K P M.,(2002),Indian Economy , 42 revised edition., S.Chand Publications
2. Misra,S, &Puri, V.,(2020.), Indian Economy, Revised Edition., S.Chand Publications

Reference Books

1. KaushikBasu (Ed.) (2012), Oxford Companion to Indian Economy, 3rd Edition, OUP, New Delhi.
2. Uma Kapila (Ed.) (2018), Indian Economy since Independence, Academic Foundation, NewDelhi, 29th Edition.
3. AshimaGoyal (Ed.) The Oxford Handbook of the Indian Economy in the 21st Century:Understanding the Inherent Dynamism, Oxford University Press.

Web Resources

1. <https://www.adb.org/countries/india/economy>
2. <https://www.oecd.org/economy/india-economic-snapshot/>
3. <https://www.indiabudget.gov.in/economicsurvey/>

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	2	3	3	3	1	2	3	3	3	3	3
CO2	3	3	3	2	3	2	3	2	3	3	2	3
CO3	3	3	3	2	3	2	3	3	2	2	3	3
CO4	1	2	3	3	3	3	3	3	3	3	3	3
CO5	2	2	3	3	3	3	3	2	3	3	3	3
Total	10	12	12	13	12	11	14	13	14	14	14	15
Average	2	2.4	3	2.6	3	2.2	2.8	2.6	2.8	2.8	2.8	3

3- Strong; 2- Medium; 1 - Low

SEMESTER I
CORE COURSE III: STATISTICS FOR ECONOMISTS

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP231CC3	4	2	-	-	4	6	90	25	75	100

Pre – requisite :

Improve the analytical skills

Learning Objectives:

1. To provide a strong foundation in statistical concepts and develop skills in data handling and research
2. The course facilitates in inferring the intensity of relationship between multiple variables and building appropriate statistical models. The models thus formulated can be tested for their significance and can be used for forecasting

Course Outcomes

On the successful completion of the course, student will be able to :		
1	remember the basic Probability rules and understand theoretical distributions.	K1
2	understand knowledge on the various sampling methods and testing of Hypotheses	K1 & K2
3	apply t test and chi square for analysis	K2 & K3
4	analyse the importance of one and two way ANOVA	K3 & K4
5	evaluate the various Decision making tools available	K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5-** Evaluate

Unit	Contents	No. of Hours
I	Probability Probability - Addition and Multiplication Theorems - Conditional Probability - Discrete and Continuous - Random Variables - Mathematical Expectations – Bayes Theorem - Theoretical Distributions - Binomial, Poisson and Normal.	18
II	Sampling and Hypothesis Testing Sampling Theory - Types of Sampling - Sampling Distributions - Parameter and Statistic - Testing of Hypothesis - Level of Significance - Type I and Type II Errors - Standard Error - Properties of Estimator.	18
III	Test of Significance Large and Small Sample Difference between Large and Small Samples - Test of Significance for Large Samples - Test for Two Means and Standard Deviations - Proportion and Confidence Interval - Small Sample Test – t-test - Paired t- test - Chi-square Test- Test of Goodness of Fit.	18
IV	Analysis of Variance F test: Assumptions in F test - Analysis of Variance: Assumptions – One-Way and Two-Way Classifications.	18

V	Statistical Decision Theory Definitions – Concepts – Maximin - Minimax - Bayes Criterion - Expected Monetary Value - Decision Tree Analysis: Symbols - Steps - Advantages and Limitations.	18
Total		90

Self Study	Sampling Theory, Types of Sampling
-------------------	------------------------------------

Text Books

1. Gupta S.P., Statistical Methods, Sultan Chand and Sons, New Delhi, 2017.
2. Anderson, Sweeney and Williams, “Statistics for Business and Economics”, Cengage, 2014.

Reference Books

1. Agarwal. Y.P (2002), “Statistics Methods – Concepts Application and Computation”, Sterling Publishers Private Ltd., New Delhi.
2. Vittal P.R., Mathematical Statistics, Margham Publications
3. Pillai R.S.N. and Bagavathi V (2010), Statistics, Sultan & Chand Sons, New Delhi.

Web Resources

1. <https://www.statista.com>.
2. <https://techjury.net>
3. https://dss.princeton.edu/online_help/analysis/interpreting_regression.html

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	3	2	2	1	1	3	3	2	2	2
CO2	3	2	2	2	2	3	1	2	2	3	2	2
CO3	3	2	3	3	2	3	1	2	2	2	2	2
CO4	3	2	2	2	3	3	1	2	2	2	3	3
CO5	3	2	2	2	3	3	1	3	3	3	2	2
Total	14	10	14	11	12	13	5	12	12	12	11	11
Average	2.8	2	2.8	2.2	2.4	2.6	1	2.4	2.4	2.4	2.2	2.2

3- Strong; 2- Medium; 1 - Low

SEMESTER I
ELECTIVE COURSE I : a) MODERN ECONOMIC THOUGHT

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP231EC1	4	1	-	-	3	5	75	25	75	100

Pre – requisite

Students should understand the modern contribution towards economics

Learning Objectives

1. To trace the ideas of Modern Economists
2. To understand the contribution of the Economists

Course Outcomes

On the successful completion of the course, student will be able to :		
1	understand modern economic concept of role of Entrepreneur Innovation	K1
2	ability to understand about Capital Formation, Disguised Unemployment Imperfect Competition	K1 & K2
3	understand the ideas of Permanent Income Hypothesis	K3
4	analyse the ideas of Modern Indian Economists-Regional Economics, Ecological Theory of Population	K4
5	evaluate the economic ideas like role of Technological Progress- Poverty -Deficit Financing and Public Expenditure	K5

K1- Remember ; K2 – Understand; K3 – Apply; K4 – Analyze; K5- Evaluate

Unit	Contents	No. of Hours
I	Classical Economic Thought Economic ideas of Irving Fisher –The Quantity theory of Money- Theory of Interest. Joseph Alois Schumpeter - Method of Study –Deductive Method – Inductive Method-Theory of Economic Development- Role of Entrepreneur – Innovation-Business Cycles – Capitalism and Socialism . J.K. Galbraith – The objective of Economic Progress- Concept of Countervailing Power.	15
II	Neo Classical Economic Thought Ragnar Nurske – Foreign Resources – Capital Formation – Disguised Unemployment ,Mrs- Joan Robinson –Imperfect Competition – F.Y .Edgeworth –Mathematical Economic Analysis –Three Dimensional Utility	15
III	Keynesian Economic Thought Lord Lionel Robbins – Definition of Economics-Causes of Depression - Milton Friedman – Quantity Theory of Money –Permanent Income Hypothesis ,Friedman and Savage Hypothesis , Paul A.Samuelson –Impact of Keynesian Economics –Revealed Preference Theory –Business Cycles – Social Welfare Function-Samuelson’s Utility Possibility Approach	15

IV	Post Keynesian Economic Thoughts Ideas of Modern Indian Economists-R.K.Mukerjee- Institutional theory of Economics-Regional Economics - Ecological Theory of Population - Planning in India, J.K.Mehta – Static and Dynamic Economics -Economics of Welfare -Economics of Growth and Development-Economics of Fast	15
V	Indian Economists C.N.Vakil -Planning- Wage -Goods Model-Role of Technological Progress-Poverty -Deficit Financing and Public Expenditure, V.K.R.V.Rao -Economic Activities -Institutional Development-Deficit Financing-Fiscal Policy-Human Factor in Economic Growth-Amartya Kumar Sen – Poverty and Famine ,Poverty and Inequality-Concept of Capability-Entitlement -Choice of Techniques.	15
	Total	75

Self Study	Disguised Unemployment
-------------------	------------------------

Text Books:

1. Dr.U.C.Kulshrestha (1994),History of Economic Thought ,Lakshmi NarainAgarwal
2. Dr.S.Sankaran (2006) ,A History of Economic Thought ,Margham Publications

Reference Books:

1. Eric Roll (1956) A History of Economic hought,PrenticeHall,Inc,U.S.A,
2. Dr.PankajSrivastava (2018) Economic Thinkers , DND Publications , Jaipur
3. M.L.Jhingan,M.Girija and L.Sasikala (2011),History of Economic Thought, Vrindha Publications

Web Resources:

1. [https://ebrary.net/112930/history/a brief history of economic thought](https://ebrary.net/112930/history/a%20brief%20history%20of%20economic%20thought)
2. <https://www.exploring-economics.org>
3. <https://www.econlib.org>

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	3	3	3	2	3	3	2	3	3	3
CO2	3	3	2	3	2	3	3	2	3	3	3	2
CO3	3	2	3	3	3	2	2	3	3	3	3	3
CO4	2	2	3	3	3	3	3	2	3	2	3	3
CO5	3	2	3	3	2	3	2	2	2	3	3	3
Total	14	11	14	15	13	13	13	12	13	14	15	14
Average	2.8	2.2	2.8	3	2.6	2.6	2.6	2.4	2.6	2.8	3	2.8

3- Strong; 2- Medium; 1 - Low

SEMESTER I
ELECTIVE COURSE I: b) RURAL ECONOMICS

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP231EC2	4	1	-	-	3	5	75	25	75	100

Pre – requisite:

Students should get the knowledge about rural economic development in India

Learning Objectives:

1. To understand rural economic development in India
2. To know about the Rural Empowerment Programs initiated by Government of India

Course Outcomes

On the successful completion of the course, student will be able to :		
1	understand the nature and scope of rural economics.	K1 & K2
2	define and demonstrate the theories of rural development and rural resources.	K2
3	recall, outline and determine rural demography and occupation structure.	K2 & K3
4	examine and evaluate rural poverty and unemployment.	K3 & K4
5	summarize, develop and explain the rural empowerment programs.	K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5-** Evaluate; **K6-** Create

Unit	Contents	No. of Hours
I	Introduction to Rural Economics Nature and Scope of Rural Economics - Inter-disciplinary approach of Rural Economics –Components - Structure and Characteristics - Pre and Post-independence - Rural Development: Meaning, Nature and Scope - Factors Affecting Rural Growth	15
II	Rural Resources and Rural development theories Rural Resources: Nature, Types and Magnitude - Rural Resources Management and Development - Application of Technology in Rural Development – Problems and prospects - W.W. Rostow’s - Lewis-Fei-Ranis and Gandhian Approach to Rural Development.	15
III	Rural Demography and Occupational Structure Demography: Population Size, Sex and Age Composition - Density of Population- Population Problems and Challenges – Family Welfare Measures in Rural India - Occupational Structure: Nature of Rural Occupations - Occupational Distribution in Rural India – The Concept of Work Participation Rates.	15
IV	Rural Poverty and Unemployment Rural Poverty: Meaning, Estimates, Causes and Consequences – Unemployment: Meaning, Types and Magnitude of Rural Unemployment - Causes and Consequences - National Programmes for Rural Development - Community Development Programmes and	15

	Employment Guarantee Schemes.	
V	Rural Empowerment Programmes Bharat Nirman, Provisions of Urban Amenities in Rural Area (PU RA), Mahatma Gandhi National Rural Employment Guarantee Act - Agencies for Rural Development: Government, Semi-Government Organisations, Co-Operative Institutions, Non-Government Organisations and Voluntary Agencies for Rural Development.	15
	Total	75

Text Books

Self Study	Rural Unemployment
-------------------	--------------------

1. Vasant Desai: Rural Development in India, Himalaya Publishing House, Mumbai, 2012.
2. Dutt and Sundaram- Indian Economy, S.Chand Publications, New Delhi, 2013-07-02.

Reference Books

1. Singh, K., & Shishodia, A. (2016). Rural development: Principles, policies, and management. SAGE Publishing India.
2. Hoff, K., Braverman, A., & Stiglitz, J. E. (1993). The economics of rural organization. Oxford: Oxford University Press.
3. Hill, B., & Ray, D. (1987). Economics for agriculture: food, farming and the rural economy. Basingstoke, UK: Macmillan Education.

Web Resources

1. <https://www.kobo.com/us/en/ebooks/public-finance>
2. <https://www.amazon.in/PUBLIC-FINANCE-AMBAR-GHOSH-ebook/dp/B07W5F2P1Q>
- 3 [https://www.niti.gov.in/sites/default/files/2021-08/11 Rural Economy Discussion Paper 0.pdf](https://www.niti.gov.in/sites/default/files/2021-08/11_Rural_Economy_Discussion_Paper_0.pdf)

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	3	3	2	3	2	3	3	3	2	3	3
CO2	2	3	3	3	2	3	3	3	2	3	3	3
CO3	1	2	2	2	3	3	1	3	3	2	3	3
CO4	3	3	2	3	3	2	3	3	3	3	2	3
CO5	1	2	3	3	2	3	3	3	3	3	2	3
Total	8	13	13	13	13	13	13	15	14	13	13	15
Average	1.6	2.6	2.6	2.6	2.6	2.6	2.6	3	2.8	2.6	2.6	3

3- Strong; 2- Medium; 1 - Low

SEMESTER I
ELECTIVE COURSE I : c) ECONOMICS OF INFRASTRUCTURE

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP231EC3	4	1	-	-	3	5	75	25	75	100

Pre – requisite:

Students should get the knowledge about the infrastructure in India

Learning Objectives:

1. To understand the main categories of infrastructure
2. To know the physical and social infrastructure

Course Outcomes

On the successful completion of the course, student will be able to :		
1	to define and explain the consequences of growth on the demand for infrastructure and dual principal controversies	K1 & K2
2	to demonstrate and identify the importance of the cost and mode of transportation	K2
3	illustrate, explain and examine the role of energy and its infrastructure in economic development	K2 & K3
4	examine how the power supply and explain and dissect its pricing problems	K3 & K4
5	explain, discuss and analyse the social Infrastructure and its relevance in the economy	K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5-** Evaluate; **K6-** Create

Unit	Contents	No. of Hours
I	Introduction Introduction - Infrastructure and economic development — Infrastructure as a public good; Social and physical infrastructure; Special characteristics of public utilities. The peak-load – Off-Load Problem – Dual Principle Controversy; Economies of scale of Joint supply ; Marginal Cost Pricing vs. other methods of pricing in public utilities.	15
II	Transport Economics Transport Economics – The structure of Transport Costs and Location of Economic Activities. Demand for Transport – Models of Freight and Passenger Demand – Model Choice; Cost Functions in the Transport Sector – Principle of Pricing – Special Problems of Individual Modes of Transport; Inter-modal condition in the Indian Situation.	15
III	Energy Economics - I Energy Economics – Primacy of Energy in the Process of Economic Development – Factors Determining Demand for Energy; Effects of Energy Shortages – Energy Conservation – Renewable and Nonconventional Sources of Energy – Energy Modelling– The Search for an Optimal Energy Policy in the Indian Context.	15
IV	Energy Economics – II Electricity, Gas and Water Supply- Bulk Supply and Pricing of Electricity – The Relative Economics of Thermal, Hydel and Nuclear Power Plants – The Case for a National Power Grid –	15

	Financing Water Utilities – Urban and Rural Water Supply – The Exploitation of Natural Gas – Pricing Problem.	
V	Social Infrastructure Social Infrastructure – Education and Economic Growth – The Case for Universal, Free, Primary Education; Structure of higher education and problems of its financing in India – Human Resources and Human Capital Development - Health dimensions of development; Determinants of Health - poverty, malnutrition, illiteracy and lack of information; Demand and supply of health care; Financing of health care; Inequalities in health - class and gender perspectives; Institutional issues in health care delivery.	15
Self Study	Education and Economic Growth	

Text Books:

1. Becker, G.S. (1974), Human Capital (2nd Edition), National Bureau of Economic Research, New York.
2. Crew, M.A. and P.R. Kleindorfer (1979), Public Utility Economics, Macmillan, London.

References:

1. India Infrastructure Report, Urban Infrastructure, 3i Network, 2006
2. Jha, R., Chandiramani, J., Perspectives in Urban Development: Issues in Infrastructure, Planning and Governance, Capital Publishing Company, New Delhi, 2012.
3. McKinsey Global Institute. Urban World: **Mapping the economic power of cities.** McKinsey & Company. 2011.

Web Reference:

1. www.niua.org
2. <https://censusindia.gov.in/>
3. https://onlinecourses.nptel.ac.in/noc22_hs64/preview

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	3	3	1	2	3	2	3	3	3	3
CO2	3	3	3	3	2	3	2	3	3	2	3	3
CO3	2	2	1	2	1	3	3	2	3	3	3	3
CO4	2	3	3	3	3	2	3	3	3	3	3	2
CO5	3	3	3	2	1	3	2	3	3	3	3	2
Total	13	13	13	13	8	13	13	13	15	14	15	13
Average	2.6	2.6	2.6	2.6	1.6	2.6	2.6	2.6	3	2.8	3	2.6

3- Strong; 2- Medium; 1 - Low

SEMESTER I
ELECTIVE COURSE II: a) REGIONAL ECONOMICS

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP231EC4	4	1	-	-	3	5	75	25	75	100

Pre – requisite:

Develop the knowledge of Regional economic growth.

Learning Objectives:

- 1.To equip the analytical skills required to analyse the regional economic issues
- 2.To understand Regional economic growth in India

Course Outcomes

On the successful completion of the course, student will be able to :		
1	understand the nature and scope of regional economics	K1 & K2
2	apply the Models of regional, inter-regional and multi-regional models	K3 & K4
3	evaluate the various theories of regional economic growth	K2 & K4
4	describes the Measurement of interregional economic growth at State level	K4 & K4
5	apply Regional Aspects of Stabilization and Growth Policy	K4 & K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5-** Evaluate;

Unit	Contents	No. of Hours
I	Introduction to Regional Economics Nature and scope of regional economics – Regional economics and regional science – Regional and Urban Economics: Need for a separate study of regional economics – Concept and types of regions: Administrative, Planning, Agro-climatic, Economic and Functional regions.	15
II	Approaches to regional growth Approaches to regional growth: Models of regional, inter-regional and multi-regional models; Export base models – Location Theory - Gravity models – Shift-share analysis	15
III	Theories of regional economic growth Neoclassical models – Dualistic models: Social dualism – Labour surplus model of Arthur Lewis- Migration and development: Harris-Todaro – Core-Periphery models: Myrdal’s Cumulative Casuation Hypothesis – Regional Input-output models - New Economic Geography models: Paul Krugman’s model of industrial location and development	15
IV	Regional economic growth in India Administrative regions in India: State, District, Taluk and Village; Urban and Rural regions - Concept, definition and measure of State Income (GSDP) – Rural and urban GDP – Differences in estimation of national income (GDP) and State Income (GSDP) - Measurement	15

	of interregional economic growth at State level	
V	Regional Aspects of Stabilization and Growth Policy Post-war Regional Cyclical Behaviour and Policy Measures for Stabilization, Theories to Explain Regional Differences in Growth, Fiscal Programmes, Tax and Transfer Programmes, Fiscal Responses of Power Level Governments, Regional Orientation to Policy Programmes and Central Responsibility.	15

Self Study	Types of Regions
-------------------	------------------

Text books

1. Capello Roberta. (2016). Regional Economics, Routledge (New York), 2nd Edition, PP-378.
2. Temple, M. (1994). *Regional economics*. St. Martin's Press.

References

1. Martin Armstrong, Jim Taylor (2000), Regional Economics and Policy, 3rd Edition, Wiley-Blackwell Publication, PP-448.
2. Harry W Richardson (1973): Regional Growth Theory, Macmillan.
3. Harry W. Richardson. (1970). Elements of Regional Economics. Penguin Books (New York).
4. Harry W Richardson (1969): Regional Economics: Location theory, Urban structure and regional change, Weidenfeld & Nicolson (London)

Web resources

1. <http://www.rri.wvu.edu/WebBook/Giarratani/contents.htm>
2. <https://researchrepository.wvu.edu/cgi/viewcontent>
3. https://ddceutkal.ac.in/Syllabus/MA_Economics

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	3	3	3	2	3	3	3	3	2	3	3	3
CO2	2	2	3	3	3	3	3	3	3	2	3	3
CO3	2	2	3	3	3	2	2	3	3	2	3	3
CO4	2	3	3	2	3	2	2	2	2	2	2	3
CO5	2	3	3	3	2	3	2	2	3	3	3	3
Total	11	13	15	13	14	13	11	13	13	12	14	15
Average	2.2	2.6	3	2.6	2.8	2.6	2.2	2.6	2.6	2.4	2.8	3

3- Strong; 2- Medium; 1 - Low

SEMESTER I
ELECTIVE COURSE II: b) WELFARE ECONOMICS

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP231EC5	4	1	-	-	3	5	75	25	75	100

Pre – requisite:

Know the fundamentals of Welfare Economics

Learning Objectives:

- To enable students to understand the fundamentals as well as development in the field of Welfare Economics
- To show the importance of welfare Economics compared to that of wealth Economics

Course Outcomes

On the successful completion of the course, student will be able to :		
1	remember the Contribution to Welfare Economics	K1
2	understand the different approaches to Welfare Economics	K2
3	analyze the development of Pareto Optimality Conditions	K3 & K4
4	describe the compensation Criteria of Economics	K4
5	evaluate theories of Social Choice.	K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5-** Evaluate; **K6-** Create

Unit	Contents	No. of Hours
I	Introduction to Welfare Economics Welfare Economics :Meaning- Concepts: Individual and Social Welfare- Value Judgments- Preferences and Utility - Utility function: Properties - Interpersonal comparisons of utility: degrees of interpersonal comparability. –Social Welfare Function: –Bentham’s Utilitarianism- Pigouvian Welfare Economics.	15
II	Approaches to Welfare Cardinal and Ordinal Approaches- Hicks’s Four Measures of Consumers’ Surplus- Partial and General Equilibrium- Edgeworth Box Diagram- General Equilibrium of Production and Exchange.	15
III	Pareto Optimality Conditions Pareto-Optimality Criterion -Definition-Marginal Conditions of Pareto Optimum – Perfect Competition and Pareto Optimality- Exceptions – Externalities – Public Goods and Market Failure – Theory of Second Best.	15
IV	New Welfare Economics New Welfare Economics – Kaldor- Hicks Compensation Criterion – Utility Possibility Curve -Shortcomings – Scitovsky Paradox – Scitovsky’s Double Criterion of Welfare– Little’s Criterion.	15
V	Theories of Social Choice Utility Possibility Curve and Frontier Grand Utility Possibility Curve- Iso Welfare Curves- Arrow’s Impossibility Theorem –Amartya Sen and	15

	Capability Theorem – Rawls Theory of Social Justice	
	Self Study Unit – III Pareto-Optimality Criterion	

Text Books

1. Rana & Verma K.N (2012) Microeconomic Theory ,Vishal Publishing House
2. Per –Olov Johansson(2009) An introduction to Modern Welfare Economics, Cambridge University Press

Reference Books

1. Arrow, Kenneth J (1963) Social Choice and Individual Values, Cowles Foundation Monograph 12, 2nd ed. Yale University
2. Bossert, Walter and Kotaro Suzumura (2010) Consistency, Choice and Rationality, Harvard University Press: Cambridge MA
3. Broadway, R.W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, Oxford

Web Resources

1. <https://conceptually.org/concepts/pareto-principle>
2. <https://web.stanford.edu/~jdlevin/Econ 202/General Equilibrium.pdf>
3. <https://policonomics.com/lp-welfare-economics1-general-equilib>

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	3	1	3	3	3	3	2	2	3	2
CO2	3	3	3	1	2	3	3	2	3	2	3	3
CO3	2	3	1	3	3	2	3	2	3	3	3	3
CO4	3	2	3	3	2	3	2	3	3	2	3	3
CO5	3	3	2	3	3	3	2	2	3	3	3	3
Total	14	13	12	11	13	14	13	12	14	12	15	14
Average	2.8	2.6	2.4	2.2	2.6	2.8	2.6	2.4	2.8	2.4	3	2.8

3- Strong; 2- Medium; 1 - Low

SEMESTER I
ELECTIVE COURSE II : c) MARITIME ECONOMICS

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP231EC6	4	1	-	-	3	5	75	25	75	100

Pre – requisite:

Students should know the economic concepts of related to Maritime Trade.

Learning Objectives:

1. To provide an understanding on the knowledge of Maritime Economics
2. To examine the History of Maritime Shipping and understand the trends.

Course Outcomes

On the successful completion of the course, student will be able to :		
1	to understand the knowledge of challenges of Maritime Economics	K1, K2,
2	to know the factors influencing demand and supply	K2, K4,
3	identify types of shipping and to know shipping policies	K3, K4
4	gain in-depth knowledge in maritime trade in economy	K2, K4
5	analyze the impact and trends in developed and developing countries	K3, K2,K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5-** Evaluate; **K6-** Create

Unit	Contents	No. of Hours
I	Basic Concepts of Maritime Economics Meaning-Nature- Scope and Importance- Challenges of Maritime Economics - Basic Analytics and Economic Concepts: Time Value of Money - Decision Making and Risks.	15
II	Demand and Supply Demand and Supply - law of Demand and Supply- Measures of Economic Activity - Derived Demand And Supply - Elasticity of Demand And Supply - Factors Influencing Demand and Supply.	15
III	Maritime Shipping Maritime Shipping: Evolution- Characteristics - Importance Of Shipping -Factors Affecting Shipping Business - Composition Of The Shipping Industry- Shipping Conferences - Shipping Policies-Problems Of Maritime Shipping. Shipping Transports: Types - Challenges. Cargo: Types, Functions. Role of Maritime Shipping in India- Marine Insurance- Objectives and Features.	15
IV	Maritime Trade Economy History of Maritime Trade - Basic Concepts of Maritime Trade-Principle of Sea Borne Trade- Relationship between International Trade & Domestic Trade Importance- Importance of Maritime Trade-WTO regulations & Roles of Global Trade- International Maritime Trade Laws.	15
	Trends in Maritime Economy	

V	Trends in maritime Economy: Impact on National Economy and World Economy- Maritime Industry in India - International Maritime Organization- Features- Functions - Recent Trends In Maritime Trade in Developing and Developed countries.	15
Self Study	Unit – IV - Role of Maritime Shipping in India	

Text Books:

1. *Martin Stopford, Maritime Economics, Third Edition*, 2009, Routledge Publisher
2. *Wayne K. Talley, The Blackwell Companion to Maritime Economics, 2012*, Wiley-Blackwell Publisher.

References:

1. Jansson, J.O. &Shneerson, D. (1982): “The optimal ship size”, *Journal of Transport Economics and Policy*, v. 16, n. 3, pp. 217-38.
2. Costas Grammenos, (2010) *The handbook of Marine time Economics and Books*, Routledge.
3. Elias Karakitsos and Lambros Varnavides (2014) *Maritime economics a Macroeconomic approach* palgrave Macmillan

Web Resources:

1. <https://www.economist.com/business/2018/10/27/sulphuremissions-rules-for-shipping-will-worsen-global-warming> EY (2017): Repositioning Greece as a global maritime capital.
2. [https://www.ey.com/Publication/vwLUAssets/ey-shipping-survey-enshort/\\$FILE/Shipping_Survey_en_short.pdf](https://www.ey.com/Publication/vwLUAssets/ey-shipping-survey-enshort/$FILE/Shipping_Survey_en_short.pdf)
3. <https://mitpress.mit.edu/9780262100250/port-economics/>

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	1	3	3	2	3	2	2	3	3	3	2
CO2	3	1	3	2	3	3	3	2	3	2	3	3
CO3	2	3	1	3	3	2	3	3	3	2	3	3
CO4	3	3	3	2	2	3	3	2	2	3	3	3
CO5	3	3	2	3	3	3	3	3	2	2	3	3
Total	14	11	12	13	13	14	14	12	13	12	15	14
Average	2.8	2.2	2.4	2.6	2.6	2.8	2.8	2.4	2.6	2.4	3	2.8

3- Strong; 2- Medium; 1 – Low

SEMESTER I

SPECIFIC VALUE ADDED COURSE: LOGISTIC MANAGEMENT

Course Code	Hours/Week	Credits	Total Hours	Marks
FP231V01	2	1	30	100

Learning Objectives

1. To Know the Nature and Scope of logistical competency.
2. To learn the various functions and operations to logistic Management.

Course Outcomes

On the successful completion of the course, student will be able to:		
1.	understand about network information and technological advancement	K1
2.	know about life cycle support	K2
3.	apply transportation principles in times of need	K3

Unit : I Introduction

Logistics – Meaning – Importance – Logistical Competency – Logistical Mission – Service – Total Cost – Logistical Renaissance – Technological Advancement – Regulatory Change

Unit : II Network Information

Work of Logistics – Network design – information – Transportation and Inventory – Warehousing

Unit : III Inventory

Operating – Rapid response – Minimum Variance – Minimum Inventory – Movement Consideration – Quality – Life Cycle Support

Unit : IV Principles of Information

Information functionality and inventory functionality – Principles of logistics information – Information Architecture – Planning – Operations – Logistics Information Flow

Unit : V Infrastructure

Transportation infrastructure – transport functionality – Principles – Modal Classification transportation formats – Suppliers of transportation service.

Text Books

1. Agarwal D K, Text book of Logistics and Supply Chain Management, 2003
2. Donald J Bowersox, Supply Chain Logistics Management, 2001

SEMESTER II

CORE COURSE IV: MONETARY ECONOMICS

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP232CC1	4	2	-	-	5	6	90	25	75	100

Pre – requisite:

The students should know the monetary theories and models.

Learning Objectives:

1. The course is devoted to the main issues in modern monetary economics.
2. The factors behind money demand and supply are studied through the set of comprehensive monetary models.

Course Outcomes

On the successful completion of the course, student will be able to :		
1	understand the theories of money.	K1
2	distinguish the various determinate of money supply and multiplier.	K1 & K2
3	evaluate the capital market.	K2 & K3
4	analyze the importance of banking sector.	K4
5	Evaluate and make use of monetary policy.	K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5-** Evaluate

Unit	Contents	No. of Hours
I	Classical Theories of Money Demand for Money Quantity theories of money – Fisher and Cambridge- Keynesian monetary theory- James Tobin’s portfolio analysis of money demand- Don Patinkin’s Integration– Real Balance Effect- Milton Friedman’s reformulated quantity theory.	18
II	Supply of Money Supply of Money Types and determinants of money supply – money multiplier- Theories of interest rate – classical – Keynes – Hicks – Hansen.	18
III	Money and Capital Market Money and Capital Market Significance and functions of Money market and capital market- Role of financial intermediaries – Effects of financial intermediation- Non-banking financial institutions.	18
IV	Banking and its functions Banking Functions of Commercial banks - Credit creation – process and limitations Role of Commercial banks after nationalization – after reforms- Role of RBI – Regulation of money supply and credit- Narasimham Committee Reports– 1991.	18
V	Monetary Policies Monetary Policy Objectives and Instruments of Monetary policy– Limitations of monetary policy- Monetarism and Keynesianism – Comparison - Supply side policies.	18
Self	Role of RBI	

Study		
-------	--	--

Text Books

1. Bain, Keith and Howells, Peter: Monetary Economics: Policy and its theoretical Basis, PalgraveMacmillian, 2nd Edition, 2009.
2. Mishkin .S. Frederic-The Economics of Money ,Banking and Financial Markets, Pearson Publication, 11th Edition, 2015

Reference Books

1. Jhingan, M.L, 2005. *Monetary Economics*[Konark Publication, New Delhi], PP-578.
2. Sundaram, K.P.M, 2003. *Money, Banking and International Trade* [Vikas, New Delhi], PP-621.
3. Vaish, M.C, 2004. *Money, Banking and International Trade [New Age International, New Delhi, PP – 954.*
4. Jagdish Handa, 2009. *Monetary Economics, USA and Canada* by Routledge Publication. PP- 521.
5. William A. Barnett & Kenneth J. Singleton, 2010. *New approaches to monetary Economics*, Cambridge University Press, PP – 241.

Web Resources

1. <https://www.amazon.in/Handbook-Monetary-Economics-Benjamin-Friedman-ebook/dp/B00EXOTZ96>
2. <https://link.springer.com/book/10.1057/9780230280854>
3. <https://www.rbi.org.in/scripts/AnnualPublications.aspx?head=Handbook%20of%20Statistics%20on%20Indian%20Economy>
4. <http://tumkuruniversity.ac.in/oc Ug/arts/Monetary%20Economics.pdf>
5. http://bibliotheque.pssfp.net/livres/monetary_economics.pdf

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO /PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	1	1	2	2	1	1	3	2	3	3	3
CO2	3	1	3	3	3	1	1	3	3	2	2	3
CO3	3	3	2	3	3	1	3	2	2	3	3	3
CO4	3	3	3	2	3	2	3	1	3	3	2	3
CO5	3	3	2	3	3	2	3	1	3	2	3	2
Total	13	11	11	13	14	7	11	10	13	13	13	14
Average	2.6	2.2	2.2	2.6	2.8	1.4	2.2	2	2.6	2.6	2.6	2.8

3- Strong; 2- Medium; 1 – Low

SEMESTER II
CORE COURSE – V: LABOUR ECONOMICS

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP232CC2	4	2	-	-	5	6	90	25	75	100

Pre – requisite:

Students should know the Labour Policy and Labour Market System

Learning Objectives:

1. To enable and acquire the knowledge the relating to the significance of labour market
2. To understand the man power in Economic Development

Course Outcomes

On the successful completion of the course, student will be able to :		
1	remember the recent trends of labour and their productivity	K1
2	understand the determination of employment and wages	K1 & K2
3	analyze the impact on labour market	K3 & K4
4	outline the Industrial relation	K4
5	Evaluate the current trends of social security measures	K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5-** Evaluate

Unit	Contents	No. of Hours
I	Labour Market and Policies Labour Market- Nature and Characteristics, Demand for Labour in relation to size and pattern of investment, Choice of technologies and labour policies Supply of Labour, Growth of Labour Force, Labour Market Policies, Mobility and Productivity	18
II	Employment and Wage Determination Employment and Development relationship- poverty and unemployment, Unemployment- Types, concepts and measurement, Employment Policy Wage Determination- Classical, Neo-classical and Bargaining theories; Concepts of minimum wage and efficiency wage; Non-wage component	18
III	Trade Union Movement Since Independence and Present Scenario of the Trade Union Movement– AITUC – INTUC – HMS – UTUC – Association of Indian Trade Unions with International Trade Unions –Problems of Trade Unions – Essentials for success of a Trade Union - Recent policies relating to Trade union act	18
IV	Industrial Relation Need for Industrial Relation Machinery-Preventive and Curative methods-Collective Bargaining, Arbitration and Adjudications- Role of State in Industrial Relations.	18

V	Social Security and Reforms Social Security- Concepts and evolution, Social assistance and insurance, Review and Appraisal of State Policies, Special Problems- Child labour, discrimination, bonded labour-Labour market Reforms- Exit Policy, safety requirements, National Commission on Labour, Globalisation and labour markets, mobility of labour.	18
Self Study	Need for Industrial Relation Machinery	

Text Books

1. Pant C, 2007. Indian Labour Problems,(Allahabad, Chaitanya Publishing House).
2. S. D. Singh, 2012. Labour Economics,(Ajanta Prakasham New Delhi).

Reference Books

1. Tyagi P.B, 2011. *Labour Economics and Social welfare*, (JaiprakashNath & Co.Meerut), PP– 700.
2. Baholiwal T.N, 2003. *Economics of Labour and Industrial Relations*,(Sahity Bhawan, Agra),PP - 358.
2. R.J. Reddy, 2004. *Economics of Labour*, (Asia Publishing House, Bombay), PP-600.
4. Suman Kalyan Chakraborty, 2018. *Labour Economics*, Himalya Publishing House.
5. A.K. Sharma, 2006. *Labour Economics*, Anmol Publisher.

Web Resources

1. <https://fac.ksu.edu.sa> > sites > default > files > Moder.
2. <http://students.aiu.edu> > resources > online Book > q.
3. <http://assets.vmou.ac.in> > PGDLL06
4. <https://economics.mit.edu/sites/default/files/inline-files/Lectures%20in%20Labor%20Economics.pdf>
5. <https://oer.funai.edu.ng/wp-content/uploads/2016/11/FUNAI-LABOUR-ECONOMICS-I-ECO-213-LECTURE-NOTES.pdf>

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	3	3	3	1	2	1	2	3
CO2	1	1	3	3	2	3	3	1	2	2	3	3
CO3	1	1	3	3	3	3	3	1	3	3	3	3
CO4	3	2	3	2	3	3	3	1	3	2	3	3
CO5	3	3	3	2	3	3	3	1	2	3	3	3
Total	11	9	14	12	14	15	15	5	12	11	14	15
Average	2.2	1.8	2.8	2.4	2.8	3	3	1	2.4	2.2	2.8	3

3- Strong; 2- Medium; 1 - Low

SEMESTER II
CORE COURSE – VI : MATHEMATICAL ECONOMICS

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP232CC3	4	2	-	-	4	6	90	25	75	100

Pre – requisite:

Apply the Mathematical Methods in Economic Theories

Learning Objectives:

1. The paper aims to introduce students to the basic building blocks of mathematical analysis used in modern economic theory.
2. To equip the students with mathematical tools and to optimize both static and dynamic economic environment

Course Outcomes

On the successful completion of the course, student will be able to :		
1	understand the mathematical structure of standard economic theoretical framework	K1
2	adopt mathematical tools to solve optimization problems appear in economic theory	K1 & K2
3	equip the students with tools to read the technical writing appear in standard economic journals	K2 & K3
4	analyze the dynamics of macroeconomic policies in an economy	K2 & K4
5	evaluate mathematically the dynamics of the growth process in an economy	K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5-** Evaluate

Unit	Contents	No. of Hours
I	Introduction to Linear Algebra Sets-Basic concepts-Ordered sets-Relations-Order relations-Metric Spaces-open and closed sets– Convergence - Linear Algebra , Vectors, matrices, inverse, simultaneous linear equations, Cramer’s rule for solving system of linear equations.	18
II	Differential Calculus Introduction to Functions, Limits and Continuity, Derivatives – Concept of maxima & minima, elasticity and point of inflection. Profit & revenue maximization under perfect competition, under monopoly.	18
III	Optimization Techniques with Constraints Functions of several variables, Partial and total, economic applications, implicit function theorem, higher order derivatives and Properties of linear homogenous functions, Euler's theorem, Cobb – Douglas Production Function.	18

IV	Linear and Non-Linear Programming Optimization with Inequality Constraints- Linear Programming– Formulation-Primal and Dual- Graphical and Simplex method- Duality Theorem-Non-Linear Programming.	18
V	Economic Dynamics Differential Equations-Basic Ideas-Types-Solution of Differential Equations (Homogenous and Exact)-Linear Differential Equations with Constant Coefficients (First and Second Order).	18
Self Study	Euler's theorem	

Text Books

1. Geoff Renshaw, 2016. Maths for Economics, 4E Oxford University Press.
2. Malcolm Pemberton & Nicholas Rau, 2016. Mathematics for Economists, Manchester University Press.

Reference Books

1. Carter, M, 2001. *Foundations of Mathematical Economics*, MIT Press, PP - 589.
2. Chiang, A. C. and Wainwright, K, 2005. *Fundamental Methods of Mathematical Economics*, McGraw-Hill Education, PP- 854.
3. Dowling E. T., *Mathematics for economists*, Schaum Series (latest edition), PP- 952.
4. B.C. Mehta & G.M.K. Madnani, *Mathematics for Economists*, Sultan Chand & Sons, 2020.
5. Edward T. Dowling, *Theory & Problems of Introduction to Mathematical Economics*, 3rd Edition, 2001.

Web Resources

1. <https://www.udemy.com/course/mathematics-for-economists-functions-and-derivatives/>
2. <https://www.classcentral.com/course/swayam-mathematical-economics-14187>
3. <https://www.coursera.org/learn/introduction-to-calculus>
4. <https://www3.nd.edu/~powers/ame.60611/notes.pdf>
5. <https://www3.nd.edu/~powers/ame.60611/notes.pdf>

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	2	3	3	3	1	3	3	3	3	3	3
CO2	1	1	3	3	2	1	3	2	2	3	3	3
CO3	3	2	2	3	2	1	3	3	3	3	2	2
CO4	3	1	3	3	2	2	3	3	3	3	3	3
CO5	3	3	2	3	3	1	3	2	2	3	3	2
Total	11	9	14	15	12	6	15	13	13	15	14	13
Average	2.2	1.8	2.4	3	2.4	1.2	3	2.6	2.6	3	2.8	2.6

3- Strong; 2- Medium; 1 – Low

SEMESTER II

ELECTIVE COURSE III: a) GENDER ECONOMICS

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP232 EC1	3	1	-	-	3	4	60	25	75	100

Pre – requisite:

The Learners should know the empowerment of women and gender inequality.

Learning Objectives:

1. To evaluate sources of socio-economic and demographic information for analyzing the impact of the gender factor on demographic processes and economic development
2. It enables to foresee the contributions of women as active economic agents and strategies to empower women and reduce gender inequalities.

Course Outcomes

On the successful completion of the course, student will be able to :		
1	understand the Gendered jobs and Social Inequality	K1 & K2
2	describes the Gender issues at the work place	K1 & K2
3	apply the Gender issues in Health, Environment, Family welfare Measures	K2 & K3
4	analysis the role of women in economic development	K4
5	assess the Initiatives towards recognition of women as agents of development from sixth five year plan.	K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5-** Evaluate

Unit	Contents	No. of Hours
I	Introduction Definition- Objectives of Gender Studies - Importance of gender Studies -Women and work: unpaid, underpaid and casual work - Women in primary, secondary and tertiary sectors - Classification of work in Indian census and NSSO – Main workers, marginal workers, non-workers - Invisibility of women's work, problems in measurement.	12
II	Gender Inequality in Labor Market Segmented Labor Market and Occupational Segregation - Globalisation and its impact on gender - Issues of wage discrimination and exploitation in unorganised sector - Women's participation in organised sector - Gender Discrimination - Gender issues at the work place	12
III	Social Empowerment Women in Higher Education - Gender issues in Health, Environment, Family welfare Measures - Indecent representation of Women in media - Women in Difficult circumstances.	12

IV	Economic Empowerment Introduction - organized sector, unorganized sector - Role of Women in Economic Development – Female Poverty and Poverty alleviation programmes - Status of Women farmers and land rights - Women Entrepreneurs - Impact of Globalization on working women.	12
V	Social issues and Women in Indian Planning Issues in the Unorganized sector of Employment - Women’s work: Status and problems - problems of Dalit women - Initiatives towards recognition of women as agents of development from sixth five year plan.	12
Self Study	Gender Issues in Health, Environment, Family Welfare Measures	

Text Books

1. Eswaran, M, 2014. *Why gender matters in economics*. Princeton University Press.
2. Becchio, G, 2019. *A History of Feminist and Gender Economics*. Routledge

Reference Books

1. Humphries, J. 2003. *Gender and economics*. Edward Elgar Publishing, PP - 586.
2. Dijkstra, G., & Plantenga, J. 2013. *Gender and economics: a European perspective*. Routledge, PP – 725.
3. Negra, D., & Tasker, Y. 2014. *Introduction. Gender and recessionary culture. In Gendering the Recession*, Duke University Press, PP – 523.
4. Joycy P. Jacobres, 2007. 3rd Edition, *The Economics Gender*, Wiled – Balck well Publication.
5. Pazhani Samy R, 2023. *Gender Economics*, Kindle Edition, Kindle Unlimited Publication.

Web Resources

1. <https://www.academia.edu> > 9_Ch_1_Gender_Economics
2. <https://ftp.iza.org> >
3. <https://www.oecd.org> > derec > world bank group
4. <https://docs.iza.org/dp13877.pdf>
5. https://www.undp.org/sites/g/files/zskgke326/files/migration/asia_pacific_rbp/RB-AP-Gender-2012-GEPMI-Module-1.pdf

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	1	3	3	3	3	3	3	3	3	3	2	3
CO2	1	3	3	3	3	3	2	3	3	2	3	3
CO3	3	3	3	3	3	3	3	3	3	3	2	3
CO4	1	3	3	2	3	3	3	3	3	3	3	3
CO5	1	3	3	2	3	3	3	3	3	3	2	3
Total	7	15	15	13	15	15	14	15	15	14	12	15
Average	1.4	3	3	2.6	3	3	2.8	3	3	2.8	2.4	3

3- Strong; 2- Medium; 1 - Low

SEMESTER II

ELECTIVE COURSE III : b) URBAN ECONOMICS

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP232 EC2	3	1	-	-	3	4	60	25	75	100

Pre – requisite:

The students should know the issues and remedies of urban poverty

Learning Objectives:

1. To equip with theory and measurement of urban economic growth and development, spatial structure of cities and urbanization.
2. The course outlines the issues of urban poverty and its impact on urbanization

Course Outcomes

On the successful completion of the course, student will be able to :		
1	remember the scope of urban economics and urban economic growth	K1
2	understand the process of urbanisation and classification urban areas	K1 &K2
3	analyze the various theories of urban growth	K3
4	evaluate the growth of formal growth and informal growth economic activities	K4
5	appraise the urban problems	K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5-** Evaluate

Unit	Contents	No. ofhrs.
I	Introduction Definition and Scope of Urban Economics - Sources of Urban Growth –International migration, Trends in growth of urban population in the world - Urbanization and agglomeration economies – industrialization and services sector growth –Urbanization and urban economic growth – Urbanization and globalization.	12
II	Economics of Urbanization The Process of urbanization: Nature - Characteristics of an economy passing through different stages of urbanization - Classification of urban areas by demographic, geographical and economic criteria- Process of sub-urbanization	12
III	Theories of Urban Growth and spatial structure Christaller’s Central Place Theory - The Human Ecological Approach to Urban Growth - Migration and urban economic growth: Harris-Todaro Model – Concepts of City Structure - Urban Residential Land Use Models: Muth, Siegel.	12
IV	Urbanization and Labour Market Urbanisation and Labour Market - Pull and Push Factors for Urbanisation in India - High Wages and Improved Infrastructure - Employment Opportunities and Educational facilities.	12

V	Urban Problems and Urban Planning Over Population and congestion - Urban housing problem - Urban environment: Air, Water and Noise Pollution - Urban poverty and inequality - Urban Infrastructure: transport Water Supply, Sanitation and Solid waste management - Need for Urban Planning: Objectives - Jawaharlal Nehru National Urban Renewal Mission - Smart Cities	12
Self Study	The Process of urbanization	

Text Books

1. Shukla, V, 2006. Urbanization and Economic Growth, Himalaya Publishers Pvt. Ltd (New Delhi).
2. Robert L Bish and Hugh O Nourse, 2011. Urban Economics and Policy Analysis, McGraw Hill Kogakusha Ltd (Tokyo).

Reference Books

1. O' Sullivan, 2012. *Urban Economics*, McGraw Hill Higher Education (Boston).
2. Edwin S. Mills, 2001. *Handbook on Regional and Urban Economics*, Volume 2: Urban Economics. North-Holland (Amsterdam).
3. Duranton, G., & Strange, W. C, 2006. *Handbook of regional and urban economics: applied urban economics* (Vol. 3). Elsevier.
4. Jan K. Bruceckner, 2011. *Urban Economics*, MIT Publication, England.
5. Edwin S. Mills, J.F. Thisse, Peter Nijkamp, V. Henderson (2004), *Handbook of Regional and Urban Economics*, Volume 4, Elsevier Science Publication.

Web Resources

1. <https://link.springer.com> > bfm:978-1-349-15661-0 > 1.pdf
2. <https://www.academia.edu> > Urban_economics_Arthur_O..
3. <https://www.ysk-books.com> > show > book > regional-a..
4. https://jorgeperezperez.com/files/urbana_intro_c1.pdf
5. https://urbaneconomics.org/workshops/lectures2020/slides/UEA_Lectures_Glaeser.pdf

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	3	2	2	2	3	2	3	3
CO2	3	3	3	3	3	3	3	2	3	2	3	3
CO3	2	3	2	2	3	3	3	2	3	2	3	3
CO4	2	2	2	2	2	2	2	2	3	2	3	3
CO5	2	3	2	2	3	2	2	2	3	2	3	3
Total	12	14	12	11	14	12	12	10	15	10	15	15
Average	2.4	2.8	2.2	2.2	2.8	2.4	2.4	2	3	2	3	3

3- Strong; 2- Medium; 1 – Low

SEMESTER II

ELECTIVE COURSE III : c) SOCIAL ENTREPRENEURSHIP IN HEALTH AND HYGIENE

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP232 EC3	3	1	-	-	3	4	60	25	75	100

Pre – requisite:

The students should know the various theories and skills of entrepreneurship

Learning Objectives:

1. To understand the social entrepreneurship, motivation and its health and hygienic.
2. To analyse Entrepreneurial motivation and to evaluate about the organizations. Course Outcomes

On the successful completion of the course, student will be able to :		
1	understand the social entrepreneurship and innovation	K1 & K2
2	apply the entrepreneurial motivation and its theories	K3 & K5
3	understand attain knowledge about social entrepreneurship in health and hygiene	K2 & K4
4	analyze an overview of various internship programmes offer by different organizations	K1 & K2
5	Evaluate the students skills required for social entrepreneurship.	K4 & K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5-** Evaluate

Unit	Contents	No. of Hours
I	Social Entrepreneurship Entrepreneurship: Meaning, Concept, Definition, Theories - Entrepreneurship - Social Entrepreneurship and Innovation - Objectives - Importance and Significance - Characteristics and qualities of Entrepreneurs. - Skills for Entrepreneurship - Issues and challenges. - Business Ethics	12
II	Entrepreneurial motivation Motivating Factors - Motivation Theories: Maslow’s Need Hierarchy Theory, McClelland’s Acquired Need Theory - Entrepreneurship Development Programme	12
III	Entrepreneurship in health and hygienic Planning, Organizing, Actuating and Control - Resources required (Money, Manpower, Machine, Material) - Training and Development - Networking with other organization -Innovative Ideas to deal with the context	12

IV	Organizations for Internship and Observation Visits Internship- Meaning - Significance of Internship - International Organizations (UNICEF) - Government Organizations (SBM) - NGOs (ESI) - Model villages.	12
V	Activities as their Practicum Seminars/group presentation on social entrepreneurship - Field visit and report writing -Critical Analysis of policies -Case studies	12
Self Study	Social Entrepreneurship and Innovation	

Text books:

1. Hisrich, 2011. Entrepreneurship. Tata McGraw-Hill Education.
2. Oates, David, 2009. A Guide to Entrepreneurship. Jaico Publishing House, Mumbai,Edn.

References:

1. Desai, Vasant, 2002. *Project Management and Entrepreneurship*. Mumbai: Himalaya Publishing House.
2. Mohanty, S. K, 2005. *Fundamentals of entrepreneurship*. PHI Learning Pvt. Ltd..Kiesner, F. (Ed.), 2009. Creating entrepreneurs: making miracles happen. World scientific.
3. Sharma. S, 2021. *Entrepreneurship development*. PHI Learning Pvt. Ltd.
4. Suri, R.K., & Seema, 2007. *Entrepreneurial Development*. (4th ed.). Allahabad: Kilab Mahal.
5. Gupta, G.D. & Srinivasan S.N.P, 2010. *Entrepreneurial Development*. (1st ed.). New Delhi: Sultan Chand & Sons.

Web References:

1. <https://www.who.int/>
2. <https://www.unicef.org/>
3. <https://www.weforum.org/>
4. https://oms.bdu.ac.in/ec/admin/contents/86_16CCBB15_2020052901532338.pdf
5. pacollege.ac.in/assets/uploads/1642155717_EDP_pdf_pdf.pdf

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	3	3	3	3	2	2	3	2	3	2
CO2	3	3	3	3	3	3	3	2	3	2	3	3
CO3	2	2	3	2	3	3	3	2	3	2	3	3
CO4	2	2	3	2	3	2	2	2	2	2	3	2
CO5	2	2	3	2	3	3	2	2	3	2	3	2
Total	12	11	15	12	15	14	12	10	14	10	15	12
Average	2.4	2.2	3	2.2	3	2.8	2.4	2	2.8	2	3	2.4

3- Strong; 2- Medium; 1 – Low
SEMESTER II

ELECTIVE COURSE IV: a) RESOURCE ECONOMICS

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP232 EC4	3	1	-	-	3	4	60	25	75	100

Pre – requisite:

Students should know the availability of resources

Learning Objectives:

1. To trace the resources in the country
2. To understand the quality of the available natural resources

Course Outcomes

On the successful completion of the course, student will be able to :		
1	remember land resources in India and the issues related to it	K1
2	understand the availability of Forest resources and understand the methods to conserve the resources	K2 & K3
3	analyze the water resources in the country and related environmental issues	K4
4	evaluate the mineral resources in the country	K5
5	evaluate the conservation of Natural Resources	K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5**- Evaluate

Unit	Contents	No. of Hours
I	Introduction Land Resources in India - Types of soil- Land resource Classification -Forest ,Barren land, Pastures and grazing land, cultural Waste Land, Fallow Land, Agricultural Land - Land degradation and soil Erosion-Preventive Measures.	12
II	Unit II: Role of Resources in Economic Development Forest Resources-Role of Forests in Economic Development-Forest cover in India- Deforestation-Effects of Deforestation-Urban Forestry - Objectives of Urban Forestry- Social Forestry-Constraints in Social Forestry - Collective Participatory Forest Management – Recent National Forest Policy Act	12
III	Water Resources in India Water Resources in India -Surface Water –Ground Water –Water Demand and Utilisation- Water Resource Planning- Multi –objective Approach-Benefit Cost Ratio-Capital outlay-Environmental Impact Assessment (EIA)- Sustainable Water Management-Recent National Water Policy	12
IV	Mineral Resources Mineral Resources- Metallic Minerals-Non Metallic Minerals –Mineral Fuels-Environmental Costs of Extracting Mineral Resources- Environmental Impacts of Mineral Resource Extraction and Use.	12

V	Conservation and Management of Natural Resources Conservation and Management of Natural Resources - Meaning and objectives of Conservation. Conservation of Renewable Resources: Soil conservation- Water conservation-Forests conservation-Fish Conservation-Biodiversity Conservation. Conservation of Non Renewable Resources: Energy Conservation-Mineral Conservation	12
Self Study	Land Resources Classification	

Text Books

1. M.L.Jhingan, ChandarK.Sharma, 2007. Environmental Economics Theory, Management and Policy, Vrindha Publications, New Delhi
2. G.Paneerselvam, 2008. Economics of Natural Resources in India , Abhijeet Publications ,NewDelhi

Reference Books

1. Jon .M.Conrod, 2010. *Resource Economics* ,Cambridge University Press, U.K
2. John C.Bergstrom & Alan Randall, 2010.*Resource Economics –An Economic Approach to Natural Resource and Environmental Policy*, Edward Elgar Pub,Ltd
3. Judith Rees, 2019. *Natural Resources Allocation Economics and Policy*, Routledge,UK
4. Jon M. Conrad, 2003. *Resource Economics*, Cambridge University Press.
5. John C. Bergstrom & Alan Randall, 2016. *Resource Economics*, The Ohio State University.

Web Resources

1. <https://www.india.gov.in/topics/environment-forest/natural-resources>
2. <https://ibm.gov.in/writereaddata/files/09182018162439Mineral%20Scenario%20pdf.pdf>
3. [https://dsecoaching.com/Content/Manage/PDF/4025\[Jon M. Conrad\] Resource Economics\(BookFi.org\)_ \(2\).pdf](https://dsecoaching.com/Content/Manage/PDF/4025[Jon M. Conrad] Resource Economics(BookFi.org)_ (2).pdf)
4. <https://www.studysmarter.co.uk/explanations/microeconomics/economic-principles/economic-resources/>
5. https://www.uio.no/studier/emner/sv/oekonomi/ECON4925/h16/pensumliste/txtbook_3.ed_att00106.pdf

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	3	2	2	3	3	3	2	2	3	3
CO2	2	3	2	3	3	2	3	2	2	2	2	2
CO3	3	2	2	3	3	3	3	3	3	3	3	3
CO4	3	3	2	3	2	3	3	2	3	3	3	3
CO5	3	3	2	3	2	2	2	2	3	2	3	3
Total	13	13	11	14	12	13	14	12	13	12	14	14
Average	2.6	2.6	2.2	2.8	2.4	2.6	2.8	2.4	2.6	2.4	2.8	2.8

3- Strong; 2- Medium; 1 – Low

SEMESTER II

ELECTIVE COURSE IV : b) ECONOMICS OF CLIMATE CHANGE

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP232EC5	3	1	-	-	3	4	60	25	75	100

Pre – requisite:

Students should understand the climatic change from the economic perspective

Learning Objectives:

1. The objective of this course is to analyse climate change from an economic perspective.
2. The problem is characterized as one of regulating a global stock externality in an intertemporal setting and in the presence of uncertainty and irreversibility

Course Outcomes

On the successful completion of the course, student will be able to :		
1	remember the science of climate change.	K1
2	understand and identify the climate change policy.	K1 & K2
3	observe the integrated assessment of climate changes.	K3
4	analyze the climate change impact assessment.	K4
5	assess the climate change negotiations and equity.	K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5-** Evaluate

Unit	Contents	No. of Hours
I	Introduction Science of climate change; global and regional climate predictions; uncertainty in science; physical impacts of climate change – agriculture, sea level rise, health, extreme events; policy debate.	12
II	Climate Change Policy - Mitigation Efficiency, public goods, externalities; environmental policy instruments – emissions trading, carbon tax, emission trading versus tax; stock pollutants and discounting; decisions under risk and uncertainty;	12
III	Integrated Assessment Costs and benefits of greenhouse gas mitigation; integrated assessment models; simulation exercises based on DICE model and its variants; sensitivity and uncertainty analysis; Stern review.	12
IV	Climate Change Policy - Adaptation Climate change impact assessment – applications for agriculture, sea level rise and health; vulnerability assessment; economics of adaptation; measurement of adaptation cost; issues in financing adaptation.	12

V	Climate Change Negotiations and Equity Criteria for distribution of emission reduction burden; distribution criteria for adaptation fund; inter and intra-generational equity issues; discounting in climate change context	12
Self Study	Climate change impact assessment	

Text Books

1. Perman, R., Ma. Y., Common, M., Maddison, D., Mcgilvray, J., Natural Resource and Environmental Economics, Pearson Education Limited, 2011. (4th Edition).
2. Intergovernmental Panel on Climate Change – Fifth Assessment Report, 2011. Stern, N., The economics of climate change – The Stern Review, Cambridge University Press, 2006.

Reference Books

1. F. Ackerman, E. Stanton: *Climate Economics: State of the Art*. Routledge, 2013.
2. W. Nordhaus: *A Question of Balance*. Yale University Press, 2008.
3. D. Acemoglu, P. Aghion, Leonardo Bursztyn, D Hemous, 2012. “*The environment and directed technical change*,” *American Economic Review*, 102(1): 131-166.
4. Nicholas Stern, 2007. *The Economics of Climate Change*, Cambridge University Press.
5. Niggol Seo, 2021. *Climate Change and Economics*, Palgrave Macmillian Publisher.

Web Resources

1. <https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwj8&ved=2ahUKEwj8>
2. <https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwj8&ved=2ahUKEwj8>
3. http://mudancasclimaticas.cptec.inpe.br/~rmclima/pdfs/destaques/sternreview_report_complete.pdf
4. <https://ocw.mit.edu/courses/15-023j-global-climate-change-economics-science-and-policy-spring-2008/pages/lecture->
5. <https://news.climate.columbia.edu/2019/06/20/climate-change-economy-impacts/>

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	3	3	3	3	2	3	2	3	2
CO2	3	3	3	3	3	2	3	1	3	3	2	2
CO3	3	3	3	3	3	3	3	3	3	1	3	3
CO4	3	3	3	3	3	2	2	2	3	2	1	2
CO5	3	3	3	3	3	3	3	3	3	3	3	3
Total	15	14	14	15	15	13	14	11	15	11	12	12
Average	3	2.8	2.8	3	3	2.6	2.8	2.2	3	2.2	2.4	2.4

3- Strong; 2- Medium; 1 – Low

SEMESTER II

ELECTIVE COURSE IV : c) POPULATION STUDIES

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP232EC6	3	1	-	-	3	4	60	25	75	100

Pre – requisite:

Students should understand the demographical concepts and population theories.

Learning Objectives:

1. To apply demographic concepts and population theories to explain past and present population characteristics.
2. To evaluate the use of demographic concepts and population theories.

Course Outcomes

On the successful completion of the course, student will be able to :		
1	understand the basic concepts of population studies.	K1 & K2
2	remember the population growth and distribution.	K2 & K3
3	analyze the various population structure.	K3 & K4
4	examine the various population dynamics.	K4 & K5
5	evaluate the various population policy.	K1 & K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5-** Evaluate

Unit	Contents	No. of Hours
I	Introduction Population Studies Nature and scope, Concepts and Definitions, Population Studies and Demography, Development of population Studies in World and India, Inter relationship between population studies and other disciplines. Sources of Population Data: Population Census-History of Census Taking in India, Vital Statistics Registration Systems.	12
II	Population Growth and Distribution Population Growth India's Population Growth-Trends and differentials in state and union territories, Factors Responsible for Rapid Population increase in India, Current Population situation and Future Prospects.	12
III	Population Structure and Characteristics Sex and Age Structure Sex and Age Structure of various countries, Population PYRAMID, Factors affecting Age and Sex Structure of population, Aging Population.	12
IV	Population Dynamics Fertility Terms and Concepts, Factors affecting Fertility: Physiological factors, Social and Cultural factors, Proximate determinants of Fertility, Sources Fertility data, Basic measures of Fertility. Mortality: Importance of the study, Global HIV/AIDS Epidemic. Migration: of the study, Concepts and Definitions, Internal and International migration, Sources of Migration data.	12

V	Population Policy Concepts Types of population Policies, Family Planning Programme under various Five Year Plan Periods, Approaches to Family Planning Programme, Reproductive and Child Health Approach, National Population Policy 2000.	12
Self Study	Reproductive and Child Health Approach	

Text Books:

1. Shrivastava O.S, 2007. Demography and Population Studies, Quality Publishing Company (ajay)
2. Jain R.K, 2014. Textbook of Population Studies, Astha Publishers and Distributors

References:

1. BhendeAsha, A and Tara Kanitkar, 2012. *Principles of Population studies*, Mumbai Himalaya Publishing House.
2. Bogue, Donald J 2006. *Principles of Demography*, New York: John Wiley and Sons.
3. BaskarD.Misra, 2002. *An introduction to the Study of Population*, Madras: South Asian Publishers Pvt.Ltd.
4. Asha A. Bhende & Tara Kanitkar, 2019. *Principles of Population studies*, Himalaya Publishing House.
5. Jhingan M.L., B.K. Bhartt & J.N. Desai, 2016. *Demography*, Virinda Publications.

Web Resources:

1. <https://censusindia.gov.in/census.website/>
2. <https://www.taylorfrancis.com/series/international-population-studies/ashser1353>
3. <https://data.worldbank.org/indicator/SP.POP.GROW>
4. https://www.cartercenter.org/resources/pdfs/health/ephti/library/lecture_notes/health_science_students
5. <https://openstax.org/books/introduction-sociology-3e/pages/20-1-demography-and-population>

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	2	3	3	3	2	2	2	3	3
CO2	3	3	2	3	3	3	3	2	3	3	2	2
CO3	3	3	3	3	3	3	2	3	3	1	3	3
CO4	3	3	3	3	3	2	2	2	3	2	2	3
CO5	3	3	3	3	3	3	3	3	1	3	3	3
Total	15	15	13	14	15	14	13	12	12	11	13	14
Average	3	3	2.6	2.8	3	2.8	2.6	2.4	2.4	2.2	2.6	2.8

3- Strong; 2- Medium; 1 – Low

SEMESTER II

SKILL ENHANCEMENT COURSE I : SOCIAL ETHICS AND RESPONSIBILITIES – WOMEN EMPOWERMENT, DISABILITY, SOCIAL INCLUSION

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
FP232SE1	2	2	-	-	2	4	60	25	75	100

Pre – requisite:

Students should empower with social ethics.

Learning Objectives:

1. To understand the importance of Ethical Values
2. To equip the students with social responsibilities

Course Outcomes

On the successful completion of the course, student will be able to :		
1	remember the importance of Ethics and outlining the various types of Ethical Issues in an organization	K1 & K2
2	understand the ethical issues in the workplace	K2 & K3
3	evaluate the need for Corporate Social Responsibility	K3 & K4
4	design Policies for Social inclusion	K4 & K5
5	analyze the various schemes for disabled	K5

K1- Remember ; **K2** – Understand; **K3** – Apply; **K4** – Analyze; **K5-** Evaluate

Unit	Contents	No. of Hours
I	Introduction Social Ethics – Definition - -Ethical Model: Golden Rule Model and Kantian Model-Ethical Decision-making, Corporate Governance-Types of Ethical Issues - Theft - Bribery and Corruption - Exploitation of Employees – Discipline - Whistle Blowing.	12
II	Workplace and Professional Ethics Ethical Issues in Workplace- Types - Accountability - Employee Favoritism -Bad Leadership Behavior- Gender Ethics- Sexual Harassment and Discrimination.	12
III	Social Responsibility of Business Social Responsibility of Business – Shareholders-Employees - Customers-Community and Government - Corporate Social Responsibility Initiatives .	12
IV	Social Inclusion Meaning of Social Inclusion and Exclusion – Dimensions of Social Inclusion- Gender Inclusion and Equality	12

V	Opportunities for Disabled Mainstreaming Disability- Provision of Employment Opportunities for disabled – Indian Government Schemes – Ministry of Social Justices and Empowerment	12
Self Study	Ethical issues in workplace	

Text Books

1. Jenny Teichman, 2001. Social Ethics A Student's Guide Wiley Blackwell
2. John S.Feinburg and Paul D.Feinburg, 2010. Ethics for a Brave New World, Crossway.

Reference Books

1. Denis Collins and Patricia Kanashiro, 2017. *Business Ethics: Best Practices for Designing and Managing Ethical Organizations* SAGE Publications, Inc; Third edition
2. William H. Shaw, 2016. *Business Ethics : A textbook with Cases* Cengage Learning, William Publication.
3. Govindarajan M., Senthilkumar M.S. Natarajan, 2013. *Professional Ethics and Human Values*, PHI publication.
4. Daniel E. Wueste, 1994. *Professional Ethics and social Responsibility*, Rowman & Littlefield publication.
5. S.S. Khanka, 2014. *Business Ethics and Corporate Social Responsibility*, S. Chand Publisher.

Web Resources

1. <https://pachamama.org/social-justice/social-responsibility-and-ethics>
2. <http://www.fimt-ggsipu.org/study/bbabi310.pdf>
3. <https://www.socialworkers.org/About/Ethics/Ethics-Education-and-Resources>
4. <https://www.ksi-indonesia.org/assets/uploads/original/2022/03/ksi-1646708612.pdf>
5. [https://www.physio-pedia.com/Introduction_to_Gender_Equality_and_Social_Inclusion_\(GESI\)](https://www.physio-pedia.com/Introduction_to_Gender_Equality_and_Social_Inclusion_(GESI))

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	3	3	3	3	3	3	2	3
CO2	2	3	3	3	2	3	3	2	3	3	2	3
CO3	3	3	2	3	3	3	3	1	2	3	2	3
CO4	2	3	3	3	2	3	3	2	3	3	3	3
CO5	2	2	2	2	2	2	2	3	3	3	3	3
Total	12	14	12	14	12	14	14	11	14	15	12	15
Average	2.4	2.8	2.4	2.8	2.4	2.8	2.8	2.2	2.8	3	2.4	3

3- Strong; 2- Medium; 1 – Low

SEMESTER – I & II
LIFE SKILL TRAINING – I ETHICS

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
PG23LST1	1				1	1	15	-	50	100

Prerequisites: Value education-its purpose and significance in the present world

Learning Objectives

1. To familiarize students with values of the individual, society, culture, one's own health and life philosophy,
2. To impart knowledge of professional ethical standards, codes of ethics, obligations, safety, rights, and other worldwide challenges.

Course Outcomes	On completion of this course the student will be able to	
CO1	understand deeper insight of the meaning of their existence.	K1
CO2	recognize the philosophy of life and individual qualities	K2
CO3	acquire the skills required for a successful personal and professional life.	K3
CO4	develop as socially responsible citizens.	K4
CO5	create a peaceful, communal community and embrace unity.	K3

Unit	Contents	No. of Hours
I	Goal Setting: Definition - Brainstorming Session – Setting Goals – Few components of setting goals.	3
II	Group Dynamics: Definition - Nature of Groups – Types of Groups – Determinants of group behavior	3
III	Conflict Resolution: Definition – What is a conflict resolution – Why should conflicts be resolved? - Lessons for life	3
IV	Decision Making: Definition – 3C's of decision making – Seven Steps to effective decision making – Barriers in effective decision making	3
V	Anger Management: Effects of anger – Tips to reduce anger – Anger warning signs – Identify your triggers – Ways to cool down your anger.	3
TOTAL		15
Self-Study Portion: Salient values for life, Human Rights, Social Evils and how to tackle them, Holistic living, Duties and responsibilities.		

Textbooks

(Compilation will be provided to the students)

Reference Books

1. Holy Cross College (Autonomous), Nagercoil (2007). Foundation Course Life's Challenges. Sipca Computers.
2. Mathew, Sam (2010). Self Help Life Book. Opus Press Publisher.

3. Swati Mehrotra. (2016). Inspiring Souls Moral Values and Life Skills (1st ed.) [English]. Acevision Publisher Pvt. Ltd.
4. Irai Anbu, v. (2010, August). Random Thoughts (1st ed.) [English]. THG Publishing Private Limited, 2019.
5. Holy Cross College (Autonomous), Nagercoil (2007). Foundation Course Life's Challenges. Sipca Computers.

Web Resources

1. <https://positivepsychology.com/goal-setting-exercises/>
2. https://www.gov.nl.ca/iet/files/CCB_GroupDynamicsGuide.pdf
3. https://en.wikipedia.org/wiki/Conflict_resolution
4. <https://asana.com/resources/decision-making-process>
5. <https://www.mayoclinic.org/healthy-lifestyle/adult-health/in-depth/anger-management/art-20045434>