

ST. MARY'S COLLEGE (Autonomous)

(Re-accredited with 'A+' Grade by NAAC)

Thoothukudi-628001, Tamil Nadu

(Affiliated to Manomanium Sundaranar University)



Syllabus

M.A. Economics

School of Management & Economics

Outcome Based Curriculum

(W.e.f.2023)

Preamble:

The subject Economics has been represented as one of the most versatile subject in the field of humanities and social science. Our Post Graduate program in Economics contains a core group of theory courses, a series of quantitative skills courses, and field specialization courses that involve the applications of economic theory and quantitative analysis to major areas of study within the discipline. The subject aims at extending the mental horizon of students to groom their personality and make them rational human being. It is our goal to help our students achieve a certain set of learning outcomes.

The main objective of this course to make the student's aware of the importance of economic development and growth of a country. This course enlightens the student on the quantitative and qualitative aspects and characteristics of the various economic developments.

Vision:

The department envisions achieving high standards of academic performance to provide quality education to students, equip students with knowledge and skills in their chosen stream and to provide opportunities for students to realize their full potential and thus shape them into future leaders to address the emerging global challenges and to deal with economic, social and business realities.

Mission:

To prepare students for acquiring applied knowledge of economics to enhance their employability and entrepreneurship.

Program Outcome

PO No.	After completion of the Postgraduate programme the students of St. Mary's College will be able to
PO 1	acquire expertise knowledge in their respective disciplines and become professionals.
PO 2	develop critical/logical thinking skills, managerial skills and become locally, nationally & globally competent and be a lifelong learner
PO 3	pursue research / higher learning programme & apply their experiment and research skills to analyse and solve complex problems.
PO 4	compete in the job market by applying the knowledge acquired in Arts, Science, Economics, Commerce and Management studies
PO 5	be an empowered and economically independent woman with efficient leadership qualities and develop the themselves as a holistic person

Program Specific Outcome

PSO No.	Upon completion of M.A Degree programme , the post graduates will be able to,	PO Mapped
PSO 1	Demonstrate an understanding of complex economics mechanism that characterize modern society and to develop ability to present economic theory and applications in decision making in real life.	PO-2
PSO 2	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;	PO-3
PSO 3	To develop the ability to explain core economic terms, concepts, and theories	PO-1
PSO 4	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.	PO-4
PSO 5	Construct systematic model for analysis and make use of knowledge on finance, health, environmental economics to formulate policies for sustainability on community and protective environment.	PO-5

St. Mary's College (Autonomous), Thoothukudi
Department of Economics
PG Course Structure
Semester – I

Components	Course Code	Course Title	Hours / Week	Credits	Max. Marks		
					CIA	ESE	Total
Core I	23PECC11	Advanced Micro Economics	7	5	25	75	100
Core II	23PECC12	Indian Economic Development and Policy	7	5	25	75	100
Core III	23PECC13	Statistics for Economists	6	4	25	75	100
Discipline Specific Elective I	23PECE11	Modern Economic Thought	5	3	25	75	100
	23PECE12	Rural Economics					
Discipline Specific Elective II	23PECE13	Regional Economics	5	3	25	75	100
	23PECE14	Welfare Economics					
			30	20			

Semester – II

Components	Course Code	Course Title	Hours / Week	Credits	Max. Marks		
					CIA	ESE	Total
Core IV	23PECC21	Monetary Economics	6	5	25	75	100
Core V	23PECC22	Labour Economics	6	5	25	75	100
Core VI	23PECC23	Computer Applications in Economics	6	5	25	75	100
Discipline Specific Elective III	23PECE21	Gender Economics	4	3	25	75	100
	23PECE22	Urban Economics					
Discipline Specific Elective IV	23PECE23	Resource Economics	4	3	25	75	100
	23PECE24	Economics of Climate Change					
Skill Enhancement Course I	23PECSE1	Social Ethics and Responsibilities (Women Empowerment, Disability, Social Inclusion)	4	3	20	30	50
MOOC (Compulsory)				+2			
			30	24+2			

Semester – III

Components	Course Code	Course Title	Hours / Week	Credits	Max. Marks		
					CIA	ESE	Total
Core VII	23PECC31	Advanced Macro Economics	6	5	25	75	100
Core VIII	23PECC32	Public Economics	6	5	25	75	100
Core IX	23PECC33	Research Methodology	5	4	25	75	100
Core X	23PECC34	Population Economics	5	4	25	75	100
Discipline Specific Elective V	23PECE31	Maritime Economics	4	3	25	75	100
	23PECE32	Economics of Infrastructure					
Skill Enhancement Course II	23PECSE2	Personality Development	4	3	20	30	50
Internship/ Self Study (Optional)	23PECI31	Internship /		+2		50	50
	23PECSS1	Leadership Quality and Development					
			30	24 +2			

Semester – IV

Components	Course Code	Course Title	Hours / Week	Credits	Max. Marks		
					CIA	ESE	Total
Core X	23PECC41	Industrial Economics	6	5	25	75	100
Core XI	23PECC42	Managerial Economics	6	5	25	75	100
Core XII	23PECC43	Financial Institutions and Market	6	4	25	75	100
Core XIII	23PECC44	Digital Economy	6	4	25	75	100
Core XIV (Project)	23PECP41	Project and Viva Voce	6	4	40	60	100
			30	22			

Note: 1. It is mandatory for all I PG students to attend the course through Swayam Portal. Students who pass in MOOC through portals will get extra credit. Students who fail in MOOC can appear for supplementary exam and the institution will provide the certificate. No extra credits will be given.

2. Internship can be completed during the II Semester vacation.

Semester-I			
CORE – I ADVANCED MICRO ECONOMICS			
CourseCode:23PECC11	Hrs/Week:7	Hrs/Semester:105	Credits:5

Course Objectives:

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

Course Outcomes (Cos):

Upon Completion of this course, the Students will be able

No.	Course Outcomes	K-Levels
CO1	Describe the various aspects of consumer behavior of individuals firms and markets	K1
CO2	Illustrate and identify the choice under uncertainty.	K2
CO3	Demonstrate and how price and output is determined in different market situations and evaluate the market structures	K3
CO4	Analyze the process of decision- making by an economic agents.	K4
CO5	Evaluate the theory of distribution.	K5

Semester-I			
CORE – I ADVANCED MICRO ECONOMICS			
CourseCode:23PECC11	Hrs/Week:7	Hrs/Semester:105	Credits:5

Unit -I: Consumer Choice **23Hrs**

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.

Unit -II: Economics of Information **23Hrs**

Informational asymmetry – Choice under Uncertainty – 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.

Unit -III: Market Structure Models **23Hrs**

Perfect competition – Price and output determination – Optimum firm-Monopoly – Short run and long run equilibrium - Price discrimination monopoly control, and regulation. Monopolistic competition–Chamberlin Model- selling costs - Excess capacity. Oligopoly – Duopoly price game-dominant strategy-Nash Equilibrium Non-collusive Models - Cournot-Bertrand - Oligopoly - Collusive Models - Cartels and mergers -Price leadership - Base point price system Monopsony – Price and output determination.

Unit -IV: Alternative Theories of Firm **23Hrs**

Full Cost Pricing Rule- Limits pricing theory-Modigliani’s Models- Input-output model - Linear programming applications in decision making- Peak Load Pricing – Administered Pricing- Purchasing Power Parity Price.

Unit -V: Distribution Theories **23Hrs**

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 - Theories of Interest- Theories of Profit.

Text Books:

1. Jhingan M.L, (2004 Reprint)Advanced Economic Theory(Vrindha Publications (P) Ltd., New Delhi.
2. Agarwal, H.S. Micro Economic Theory, (Ane’s Books Pvt. Ltd.,) New Delhi.

References:

1. Hal R. Varian (2004), Intermediate Micro Economics (East-West Press: New Delhi).
2. Ruffin Roy. J (1992), Intermediate Micro Economics Harper & Collins Publishers.
3. Koutsiyannis A. (1978), Modern Micro Economics, (Macmillan- London).

Web Resources:

1. <http://open.oregonstate.education/intermediatemicroeconomics/chapter/moe-1>
2. http://saylordotorg.github.io/text_introduction-to-

economicanalysis/s16-monopoly.html

3. http://saylordotorg.github.io/text_introduction-to-economicanalysis/s17-games-and-strategic-behaviour.html

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	3	2	2	3	2	2	2	3
CO-2	3	2	2	2	3	2	2	2	2	2.5
CO-3	3	2	2	2	2	3	2	2	2	2
CO-4	3	2	2	2	2.2	3	2	2	2	2
CO-5	2.2	2.5	3	2	2	3	2	2	2	2
Ave.	2.84	2.1	2.4	2	2.24	2.8	2	2	2	2.3

Semester-I			
CORE – II INDIAN ECONOMIC DEVELOPMENT AND POLICY			
CourseCode:23PECC12	Hrs/Week:7	Hrs/Semester:105	Credits:5

Course 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 (Cos):

Upon Completion of this course, the Students will be able to

No.	Course Outcomes	K-Levels
CO1	Describe the structural change in Indian economy, and understand government policies and programs.	K1
CO2	Express the performance of agricultural and Industrial sector; it helps in developing understanding of the students related to different sectors of Indian Economy.	K2
CO3	Compute the trends in the economy; it will help in developing the conceptual frame work of government policies and programs.	K3
CO4	Analyze the causes and measures of poverty inequalities and unemployment.	K4
CO5	Evaluate the economic and social issues of the Indian Economy	K5

Semester-I			
CORE – II INDIAN ECONOMIC DEVELOPMENT AND POLICY			
Course Code:23PECC12	Hrs/Week:7	Hrs/Semester:105	Credits:5

Unit- 1: Introduction

18Hrs

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-Recent trends Growth since 1980 onwards, factors underlying turnaround- Structural change in Indian economy.

Unit -II:Agricultural and Industrial Sector

18Hrs

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.

Unit-III:Fiscal Developments

18Hrs

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.

Unit- IV:Poverty and Inequality

18Hrs

Poverty and Inequality - Measuring poverty in India: Selection of poverty lines- Poverty in pre and post liberalization periods- Impact of growth on poverty- PDS vs cash transfers, feasibility of universal basic income in India - Inequality in India in pre and post liberalization periods.

Unit- V:Social Sector

18Hrs

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.

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, New Delhi, 29th Edition.
3. AshimaGoyal (Ed.) The Oxford Handbook of the Indian Economy in the 21st Century: Understanding the Inherent Dynamism, Oxford University Press.

Web References:

1. <https://www.adb.org/countries/india/economy>

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

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	2	2.2	2	3	2	2	3	2
CO-2	2	3	2	2.4	2	3	2	3	2	3
CO-3	2	2	2	3	2	2	2	3	3	2
CO-4	2	2	3	2	2	2	3	2	2	2
CO-5	3	2	2	2	2	3	2	2	2	3
Ave.	2.4	2.2	2.2	2.72	2	2.6	2.2	2.4	2.4	2.4

Semester-I

CORE – III STATISTICS FOR ECONOMISTS			
CourseCode:23PECC13	Hrs/Week:6	Hrs/Semester:90	Credits:4

Course Objective:

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:

Upon Completion of this course, the Students will be able to

No.	Course Outcomes	K-Levels
CO1	Remember and understand the basic concepts of the theory and key properties of probability and random variables, and the application of these concepts in practical situations.	K1
CO2	Summarize the entire population, based on the investigation of a sample applying statistical tests, with the aim to reach a decision, on a probabilistic basis, on observed data.	K2
CO3	Demonstrate the concept of samples and use t test and chi square for analysis	K3
CO4	Construct various statistical tools and the importance of one and two way ANOVA	K4
CO5	Develop an analytical and critical bent of mind to compare and analyze the various purpose.	K5

Semester-I
CORE – III STATISTICS FOR ECONOMISTS

CourseCode:23PECC13	Hrs/Week:6	Hrs/Semester:90	Credits:4
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Unit -I: Probability

18Hrs

Probability - Addition and Multiplication Theorems - Conditional Probability - Discrete and Continuous - Random Variables - Mathematical Expectations – Bayes Theorem - Theoretical Distributions - Binomial, Poisson and Normal.

Unit -II: Sampling and Hypothesis Testing

18Hrs

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.

Unit- III: Test of Significance Large and Small Sample

20Hrs

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.

Unit- IV: Analysis of Variance

18Hrs

F test: Assumptions in F test - Analysis of Variance: Assumptions – One-Way and Two-Way Classifications.

Unit -V: Statistical Decision Theory

18Hrs

Definitions – Concepts – Maximin - Minimax - Bayes Criterion - Expected Monetary Value - Decision Tree Analysis: Symbols - Steps - Advantages and Limitations.

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.

References:

1. Aggarwal. 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. andBagavathi V (2010), Statistics, Sultan & amp; Chand Sons, NewDelhi.

Web Resources

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

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)	Programme Specific Outcomes (PSO)
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	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	3	2	2	3	2	3	2	2
CO-2	3	3	2	2	3	3	3	2	2	2
CO-3	3	2	2	2	2	3	2	2	2	2
CO-4	3	3	2	2	2	2	2	2	2.5	3
CO-5	3	2	3	2.6	2	3	2	2	2	2
Ave.	3	2.4	2.4	2.12	2.2	2.8	2.2	2.2	2.1	2.2

Semester-I
ELECTIVE – I MODERN ECONOMIC THOUGHT

CourseCode:23PECE11	Hrs/Week:5	Hrs/Semester:75	Credits:3
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Course Objectives

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

Course Outcomes (Cos):

Upon Completion of this course, the Students will be able

No.	Course Outcomes	K-Levels
CO1	Develop a chronological understanding of the development of economic thought.	K1
CO2	Relate the developments in different schools of thought with contemporary issues.	K2
CO3	How economists think and how they make theories to understand and solve human issues.	K3
CO4	To Gain knowledge about the ideas of Modern Indian Economists	K4
CO5	Recommend and understand economic ideas like role of Technological Progress	K5

Semester-I
Elective - MODERN ECONOMIC THOUGHT

CourseCode:23PECE11	Hrs/Week:5	Hrs/Semester:75	Credits:3
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Unit 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.

Unit 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

Unit 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

Unit 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

Unit 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.

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 Thought,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
2. <https://www.exploring-economics.org>
3. <https://www.econlib.org>

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	2	2	3	3	2	2	3	2
CO-2	3	2	2	2	2	3	3	2	2	2
CO-3	3	2	2.2	2	2	3	2	2	2	2
CO-4	2	2	2	2	2	2	2	2	3	2
CO-5	3	2	2	2	3	3	2	2	2	2
Ave.	2.8	2	2.04	2	2.4	2.8	2.2	2	2.4	2

Semester-I			
ELECTIVE – I RURAL ECONOMICS			
CourseCode:23PECE12	Hrs/Week:5	Hrs/Semester:75	Credits:3

Course Objectives:

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

Course Outcomes (Cos):

Upon Completion of this course, the Students will be able

No.	Course Outcomes	K-Levels
CO1	Define and describe of the nature and scope of rural economics.	K1
CO2	Discuss the theories of rural development and rural resources.	K2
CO3	Demonstrate the occupational structure of rural economy.	K3
CO4	To organize, examine and evaluate rural poverty and unemployment.	K4
CO5	Recommend the rural empowerment programs.	K5

Semester-I			
ELECTIVE – I RURAL ECONOMICS			
Course Code:23PECE12	Hrs/Week:5	Hrs/Semester:75	Credits:3

Unit- I: Introduction to Rural Economics **20Hrs**

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

Unit -II: Rural Resources and Rural development theories **20Hrs**

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.

Unit -III: Rural Demography and Occupational Structure **20Hrs**

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.

Unit -IV: Rural Poverty and Unemployment **15Hrs**

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 Employment Guarantee Schemes.

Unit- V: Rural Empowerment Programmes **15Hrs**

Bharat Nirman, Provisions of Urban Amenities in Rural Area (PURA), 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.

Text Books:

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.

References 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. <http://www.kobo.com/us/en/ebook/public-finance>
2. <http://www.amazon.in/PUBLIC-FINANCE-AMBAR-GHOSH-ebook/dp/B07W5F2P1Q>
3. http://www.niti.gov.in/sites/default/files/2021-08/11_Rural_Economy_Discussion_Paper_0.pdf

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	3	2	3	3	2	2	3	2.2
CO-2	3	2	2	2	2	3	3	2	2	2.5
CO-3	3	2	3	2	2	3	2	2	2	2
CO-4	2	2	2	2	3	2	2	2	3	3
CO-5	3	2	2	2	3	3	2	2	2	2
Ave.	2.8	2	2.4	2	2.6	2.8	2.2	2	2.4	2.34

Semester-I			
ELECTIVE – II REGIONAL ECONOMICS			
Course Code: 23PECE13	Hrs/Week:5	Hrs/Semester:75	Credits:3

Course Objectives

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

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Define and describe the nature and scope of regional economics and its need	K1
CO2	Discuss the Models of regional, inter-regional and multi-regional models	K2
CO3	Demonstrate the various theories of regional economic growth	K3
CO4	Examine the measurement of interregional economic growth at State level	K4
CO5	Formulate and apply the regional aspects of stabilization and Growth Policy	K5

Semester-I			
ELECTIVE – II REGIONAL ECONOMICS			
CourseCode:23PECE13	Hrs/Week:5	Hrs/Semester:75	Credits:3

Unit- I: Introduction to Regional Economics **15Hrs**

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.

Unit -II: Approaches to regional growth **15Hrs**

Approaches to regional growth: Models of regional, inter-regional and multi-regional models; Export base models – Location Theory - Gravity models – Shift-share analysis

Unit -III: Theories of regional economic growth **15Hrs**

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

Unit- IV: Regional economic growth in India **15Hrs**

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 of interregional economic growth at State level

Unit -V: Regional Aspects of Stabilization and Growth Policy **15Hrs**

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.

Text books

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

References

1. Harry W Richardson (1973): Regional Growth Theory, Macmillan.
2. Harry W. Richardson. (1970). Elements of Regional Economics. Penguin Books (New York).
3. 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

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	3	3	3	2	3	2	3	3	3
CO-2	3	3	3	3	2	3	3	2	3	2
CO-3	3	3	3	2	2	3	3	2	3	3
CO-4	3	3	2	2	2	3	3	3	3	3
CO-5	3	3	3	2	2	3	3	3	3	3
Ave.	3	3	2.8	2.4	2	3	2.8	2.6	3	2.8

Semester-I			
ELECTIVE – II WELFARE ECONOMICS			
CourseCode:23PECE14	Hrs/Week:5	Hrs/Semester:75	Credits:3

Course Objective:

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

Course Outcomes:

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Summarize the Contribution to Welfare Economics	K1
CO2	Analyse the different approaches to Welfare Economics	K2
CO3	Interpret the development of Pareto Optimality Conditions	K3
CO4	Explain the compensation Criteria of Economics	K4
CO5	Evaluate theories of Social Choice.	K5

Semester-I			
ELECTIVE – II WELFARE ECONOMICS			
CourseCode:23PECE14	Hrs/Week:5	Hrs/Semester:75	Credits:3

Unit 1:Introduction to Welfare Economics

15Hrs

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.

Unit II: Approaches to Welfare

15Hrs

Cardinal and Ordinal Approaches- Hicks’s Four Measures of Consumers’ Surplus- Partial and General Equilibrium- Edgeworth Box Diagram- General Equilibrium of Production and Exchange.

Unit III: Pareto Optimality Conditions

15Hrs

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.

Unit IV: New Welfare Economics

15Hrs

New Welfare Economics – Kaldor- Hicks Compensation Criterion – Utility Possibility Curve - Shortcomings – Scitovsky Paradox – Scitovsky’s Double Criterion of Welfare– Little’s Criterion.

Unit V: Theories of Social Choice

15Hrs

Utility Possibility Curve and Frontier Grand Utility Possibility Curve- Iso Welfare Curves- Arrow’s Impossibility Theorem –Amartya Sen and Capability Theorem – Rawls Theory of Social Justice

Text Books

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

References

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>

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	3	2	3	3	2	2	3	2.2
CO-2	3	2	2	2	2	3	3	2	2	2.5
CO-3	3	2	3	2	2	3	2	2	2	2
CO-4	2	2	2	2	3	2	2	2	3	3
CO-5	3	2	2	2	3	3	2	2	2	2
Ave.	2.8	2	2.4	2	2.6	2.8	2.2	2	2.4	2.34

Semester-II			
CORE – IV MONETARY ECONOMICS			
Course Code:23PECC21	Hrs/Week:6	Hrs/Semester:90	Credits:5

Course 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 (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Define the theories of money, and the consequences of changes in the quantity of money.	K1
CO2	Explainconstructanddistinguishvariousdeterminateofmoneysupplyand multiplier.	K2
CO3	Compute and evaluate the money capital market.	K3
CO4	Examine the importance of banking sector.	K4
CO5	Critically evaluate contemporary policy debates in the area of monetary economics.	K5

Semester–II			
CORE – IV MONETARY ECONOMICS			
Course.Code:23PECC21	Hrs/Week:6	Hrs/Semester:90	Credits:5

Course 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

Unit I: Classical Theories of Money 18Hrs

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.

Unit II: Supply of Money 18Hrs

Supply of Money Types and determinants of money supply – money multiplier- Theories of interest rate – classical – Keynes – Hicks – Hansen.

Unit III: Money and Capital Market 18Hrs

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 – Gurley and Shaw theory.

Unit IV: Banking and its functions 18Hrs

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 and 1998 – Recent trends and Banking in India

Unit V: Monetary Policies 18Hrs

Monetary Policy Objectives and Instruments of Monetary policy – Limitations of monetary policy- Comparison – Supply side policies.

Text Books:

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

References:

1. Jhingan, M.L. (2005), Monetary Economics [Konark Publication, New Delhi].
2. Sundaram, K.P.M. (2003), Money, Banking and International Trade [Vikas, New Delhi].
3. Vaish, M.C. (2004), Money, Banking and International Trade [New Age International, New Delhi].

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>

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	2	2	2	3	2	3	2	3
CO-2	2	3	2	2	2	2	3	2	3	2
CO-3	3	2	2	2	2	3	2	3	2	3
CO-4	3	2	2	2	2	3	3	2	2	3
CO-5	2	3	3	2	2	3	2	2	2	2
Ave.	2.6	2.4	2.2	2	2	2.8	2.4	2.4	2.2	2.6

Semester-II			
CORE -V LABOUR ECONOMICS			
CourseCode:23PECC22	Hrs/Week:6	Hrs/Semester:90	Credits:5

Course Objectives:

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

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Describe the key features of the labour market, analyze models of the labour market in order to make predictions concerning the impact of public policy.	K1
CO2	Discuss the employment and wage determination	K2
CO3	Implement the trade unions and their impaction labour market	K3
CO4	Analyze the Industrial relation	K4
CO5	Evaluate the current trends of social security measures	K5

Semester–II			
CORE –V LABOUR ECONOMICS			
CourseCode:23PECC22	Hrs/Week:6	Hrs/Semester:90	Credits:5

Unit -I: Labour Market and Policies

18Hrs

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

Unit-II: Employment and Wage Determination

18Hrs

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

Unit -III: Trade Union Movement

18Hrs

Since Independence and Present Scenario of the Trade Union Movement–Problems of Trade Unions – Essential for success of a Trade Union – The Trade Union Act, 1926- Recent policies relating to Trade union act

Unit-IV: Industrial Relation

18Hrs

Need for Industrial Relation Machinery –Preventive and Curative methods-Collective Bargaining, Arbitration and Adjudications-industrial Democracy, the concept of Workers participation in management- Role of State in Industrial Relations.

Unit -V:Social Security and Reforms

18Hrs

Social Security- Concepts and evolution, Social assistance and insurance, Special Problems-Child labour, discrimination, bonded labour-Labour market Reforms- National Commission on Labour, Globalization and labour markets, mobility of labour.

Textbooks

1. PantC.(1978),IndianLabourProblems,(Allahabad,ChaitanyaPublishingHouse).
2. SinghS.S.,and MethaS.(1989),LabourEconomics,(AjantaPrakashamNewDelhi).

References

- 1.TyagiP.B.(1995),Labour Economics and Social welfare, (Jaiprakash Nath & Co. Meerut),
- 2.Baholiwal T.N.(1981), Economics of Labour and Industrial Relations, (SahityaBhawan,Agra).
- 3.GiriV.V.(1985),LabourProblemsinIndianIndustry(AsiaPublishingHouse,Bombay).

Web resources

1. [https://fac.ksu.edu.sa > sites > default > files > Moder..](https://fac.ksu.edu.sa/sites/default/files/Moder..)
2. [http://students.aiu.edu > resources > onlineBook > q...](http://students.aiu.edu/resources/onlineBook/q...)
3. [http://assets.vmou.ac.in > PGDLL06](http://assets.vmou.ac.in/PGDLL06)

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	2	2	2	2	3	3	2	2	2	3
CO-2	3	3	2	2	2.2	3	3	2	3	2
CO-3	3	2	2	3	2.5	3	2	2	2	2
CO-4	2	2	2	3	3	2	2	2	2.6	2.2
CO-5	2	2	2	2	2	2	2	2	2.2	2.4
Ave.	2.4	2.2	2	2.4	2.54	2.6	2.2	2	2.36	2.32

Semester–II			
CORE –VI COMPUTER APPICATIONS IN ECONOMICS			
Course Code:23PECC23	Hrs/Week:6	Hrs/Semester:90	Credits:5

Course Objective

1. The aim of this course is to introduce some of quantitative as well as qualitative methods of data analysis with the help of computer applications
2. To equip skill in applying statistical tools to Economics using computers

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Define, explain and categorize various data and its use in Economics.	K1
CO2	Discuss the basic concepts of word processing package.	K2
CO3	Presenting the data in diagrammatic way.	K3
CO4	Analyse parametric data and to evaluate and built models.	K4
CO5	Evaluate and built models of non-parametric data.	K5

CORE –VI COMPUTER APPLICATIONS IN ECONOMICS			
CourseCode:23PECC23	Hrs/Week:6	Hrs/Semester:90	Credits:5

Unit -1: Introduction about Data**18Hrs**

What is data- Its Characteristics and Types – Importance of data in economic analysis and Policy Formation – Source of Data – Quantitative and Qualitative data analysis - Methods of Data Analysis

Unit- II: Introductions to MS Office**18Hrs**

What is Suite – MS Word: Creating new Documents –Document template – Typing Text – Editing Text – Insert Text – Go to, Find, and Replace text or word - Formatting of Text – MS Excel – EXCEL: The typical worksheet or spread sheet – cell and their properties – formatting cell – Formula: using arithmetic and relational operators in a worksheet -Advanced Formulas: sum, count, Average, Max, Min, Product -Using auto format.

Unit-III: Graphs, Charts and introduction to statistical packages**18Hrs**

Bar diagrams, pie charts, Area- Building Line Diagrams, Histograms, Scatter plots- Frequency Graphs, Ogive, Lorenz curve- Time Series – Introducing Statistical Packages – Uses – SPSS – GRETL – R Program –SAS – Eviews - STATA

Unit –IV:Data Analysis Using SPSS – I**18Hrs**

Naming variables - Coding and Recoding of data - Arithmetic calculations with invariables- Descriptive Statistics: Frequencies, Descriptive, Explore, Cross Tabulation -Compare Means: One sample T- test, Independent Sample T – test, paired sample T-test, One way ANOVA- Correlation: Bivariate, Partial- Regression: Linear, Curve Estimation, Multiple Regression.

Unit -V: Data Analysis Using SPSS – II**18Hrs**

Classification: K-means cluster, Hierarchical cluster, Discriminant function – Nonparametric Test: Chi-square, Bi-nominal- Time Series.

Text Books:

1. Myers, J.L., & Well, A.D., &Lorch, R.F.,Jr. (2010). Research Design and Statistical Analysis (3rd Edition). Mahwah, NJ: Erlbaum. ISBN: 978-0-8058-6431-1
2. Urdan, T. (2010) Statistics in Plain English, 3rd Edition. New York: Routledge Psychology Press.

Reference books:

1. Parsons J.; Oja D.; Ageloff R.; Carey P (2010)New Perspectives on Microsoft Office Excel 2010, Comprehensive ,Course Technology (2010) First Edition
2. Manuals – SPSS, GRETL, R Program, SAS, Eviews, STATA
3. Lipschutz M.M. and S. Lipschultz (1982), Theory and problems of Dataprocessing :Schaum’s Outline Series, (McGraw Hill, New York.

Web Resources

1. <http://dspace.vnbrims.org:13000/jspui/bitstream/123456789/4679/1/The%20SAGE%20Handbook%20of%20Social%20Research%20Methods.pdf>
2. https://archive.mu.ac.in/myweb_test/TYBA%20study%20material/Research%20Methodology%20-%20IX.pdf
3. <https://imotions.com/blog/statistical-tools/>

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	3	3	2	3	2	3	2	3
CO-2	3	2	3	3	2	2	3	2	3	2
CO-3	3	2	3	3	2	3	2	2	3	3
CO-4	3	3	3	3	2	3	2	3	3	2
CO-5	3	2	3	2	2	3	3	2	2	3
Ave.	3	2.2	3	2.8	2	2.8	2.4	2.4	2.6	2.6

Semester-II			
ELECTIVE -III GENDER ECONOMICS			
Course Code:23PECE21	Hrs/Week:4	Hrs/Semester:60	Credits:3

Course 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 (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Understand the Gendered jobs and Social Inequality	K1
CO2	describes the Issues of wage discrimination and exploitation in unorganized sector	K2
CO3	Explain the Gender issues in Health, Environment, Family welfare Measures	K3
CO4	Evaluate the Impact of Globalization on working women and National Policy for the empowerment of women 2001	K4
CO5	Assess the Initiatives towards recognition of women as agents of development from sixth five year plan.	K5

Semester–II			
ELECTIVE –III GENDER ECONOMICS			
Course Code:23PECE21	Hrs/Week:4	Hrs/Semester:60	Credits:3

Unit I: Introduction

12Hrs

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 - Non-recognition of women's work in national income accounting

Unit II: Gender Inequality in Labor Market

12Hrs

Segmented Labor Market and Occupational Segregation – Gendered jobs and Social Inequality - Sex Segregation at Work Place - 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

Unit II: Social Empowerment

12Hrs

Women in Higher Education - Gender issues in Health, Environment, Family welfare Measures - Indecent representation of Women in media - Women in Difficult circumstances; Constitutional.

Unit III: Economic Empowerment

12Hrs

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 - National Policy for the empowerment of women 2001.

Unit V: Social issues and Women in Indian Planning

12Hrs

Issues in the Unorganized sector of Employment - Women’s work: Status and problems - problems of Dalit women - Invisibility of women in official data system - Absence of gender disaggregated data - Initiatives towards recognition of women as agents of development from sixth five year plan.

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.

References

1. Humphries, J. (1995). *Gender and economics*. Edward Elgar Publishing.
2. Dijkstra, G., & Plantenga, J. (2013). *Gender and economics: a European perspective*. Routledge.
3. Negra, D., & Tasker, Y. (2014). Introduction. Gender and recessionary culture. In *Gendering the Recession* (pp. 1-30). Duke University Press.

Web Resources

1. <https://www.academia.edu> > 9_Ch_1_Gender_Economi...
2. <https://ftp.iza.org> > .
3. <https://www.oecd.org> > derec > worldbankgroup

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	2	2	2	2	3	3	2	2	2	3
CO-2	3	3	2	2	3	3	3	2	3	2
CO-3	3	2	2.2	2.6	2	3	2	2	2	2
CO-4	2	2	2	2.3	2.2	2	2	2	2.5	2.5
CO-5	2	2	2	2	2.6	2	2	2	2.3	2.3
Ave.	2.4	2.2	2.04	2.18	2.56	2.6	2.2	2	2.36	2.36

ELECTIVE –III URBAN ECONOMICS			
Course Code:23PECE22	Hrs/Week:4	Hrs/Semester:60	Credits:3

Course 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 (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Describe the scope of urban economics and urban Economic growth	K1
CO2	Describe the process of urbanization and classification of urban areas	K2
CO3	Evaluate the various theories of urban growth and Spatial structure	K3
CO4	Examine the urban Labour Market, Labour Force Participation and Distribution of Workers	K4
CO5	Evaluate the urban problems and planning process.	K5

ELECTIVE –III URBAN ECONOMICS			
Course Code:23PECE22	Hrs/Week:4	Hrs/Semester:60	Credits:3

Course 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.

Unit -I: Introduction**12Hrs**

Definition and Scope of Urban Economics – Sources of Urban Growth–International migration, Trends in growth of urban population in the world - Urban reclassification and physical expansion of urban boundaries – Urbanization and agglomeration economies– industrialization and services sector growth –Urbanization and urban economic growth – Urbanization and globalization.

Unit -II: Economics of Urbanization**12Hrs**

The Process of urbanization: Nature and dimensions, factors initiating and perpetuating urbanization process - Characteristics of an economy passing through different stages of urbanization - Classification of urban areas by demographic, geographical and economic criteria-Process of sub-urbanization

Unit-III: Theories of Urban Growth and spatial structure**12Hrs**

Christaller's Central Place Theory - The Human Ecological Approach to Urban Growth -Urban Size: Ratchet-Rank Size Rule - Migration and urban economic growth: Harris-Todaro Model – Concepts of City Structure - The Minimization of Costs of Friction Hypothesis – Location Equilibrium of an Urban Firm – Urban Residential Land Use Models: Alonso-Siegel.

Unit -IV: Urbanization and Labour Market**12Hrs**

Urbanization and Labour Market-Pull and Push Factors for Urbanisation in India-High Wages and Improved Infrastructure - Employment Opportunities and Educational facilities – Growth of formal and Informal economic activities - Labour Force Participation and Distribution of Workers

Unit -V: Urban Problems and Urban Planning**12Hrs**

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 and Techniques-Emerging Planning Process - Comprehensive Development Plan – Master Plan – Jawaharlal Nehru National Urban Renewal Mission- Smart Cities.

Text books

1. Shukla, V. (1996) Urbanization and Economic Growth, Himalaya Publishers Pvt. Ltd (New Delhi).
2. Robert L Bish and Hugh O Nourse (1975), Urban Economics and Policy Analysis, McGraw Hill Kogakusha Ltd (Tokyo).

References

1. O' Sullivan (2012), Urban Economics, McGraw Hill Higher Education (Boston).
2. Edwin S. Mills. (1987). Handbook on Regional and Urban Economics, Volume 2: Urban Economics. North-Holland (Amsterdam).
3. Duranton, G., & Strange, W. C. (1986). *Handbook of regional and urban economics: applied urban economics* (Vol. 3). Elsevier.

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..

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	2	2	2	3	2	3	2	3
CO-2	3	3	2	2	2	2	3	2	3	2
CO-3	3	2	2	2	2	3	2	3	2	3
CO-4	3	2	2	2	2	3	3	2	2	3
CO-5	3	3	2	2	2	3	2	2	2	3
Ave.	3	2.4	2.2	2	2	2.8	2.4	2.4	2.2	2.6

Semester-II

ELECTIVE –III RESOURCE ECONOMICS			
Course Code:23PECE23	Hrs/Week:4	Hrs/Semester:60	Credits:3

Course Objectives:

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

Course Outcomes (COs):

Upon Completion of this course, the students will be able to

S.No	Course Outcomes	K-Levels
CO1	Ability to understand land resources in India and the issues related to it	K ₁
CO2	Assess the availability of Forest resources and understand the methods to conserve the resources	K ₂
CO3	Understand the water resources in the country and related environmental issues	K ₃
CO4	Trace the mineral resources in the country	K ₄
CO5	Ability to know about conservation of Natural Resources	K ₅

ELECTIVE –III RESOURCE ECONOMICS			
Course Code:23PECE23	Hrs/Week:4	Hrs/Semester:60	Credits:3

Unit I: Introduction

12Hrs

Land Resources in India - Types of soil- Land resource Classification -Forest ,Barren land, Pastures and grazing land, cultural Waste Land, Fallow Land, Agricultural Land -Net Sown Area - Land degradation and soil Erosion-Preventive Measures.

Unit II: Role of Resources in Economic Development

12Hrs

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

Unit III: Water Resources in India

12Hrs

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)-Manageability of the project-Sustainable Water Management-Recent National Water Policy

Unit IV:Mineral Resources

12Hrs

Mineral Resources- Metallic Minerals-Non Metallic Minerals –Mineral Fuels-Environmental Costs of Extracting Mineral Resources-Environmental Impacts of Mineral Resource Extraction and Use-Mineral Conservation and Development Rules (1988)

Unit V:Conservation and Management of Natural Resources

12Hrs

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

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 ,New Delhi

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

Web Resources:

1. <https://www.india.gov.in/topics/environment-forest/natural-resources>
2. <https://ibm.gov.in/writereaddata/files/09182018162439Mineral%20Scenario%20pdf.pdf>

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	3	2	2	3	2	3	2	2
CO-2	3	3	2	2	3	3	3	2	2	2
CO-3	3	2	2	2	2.5	3	2	2	2	2
CO-4	3	3	2	2	2	2	2	2	3	2
CO-5	3	2	2.7	3	2	3	2.6	2	2	2
Ave.	3	2.4	2.34	2.2	2.3	2.8	2.32	2.2	2.2	2

Semester–II			
ELECTIVE IV – ECONOMICS OF CLIMATE CHANGE			
Course Code:23PECE24	Hrs/Week:4	Hrs/Semester:60	Credits:3

Course Objectives

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

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

CO	Course Outcomes	K-Levels
CO1	Define and explain the science of climate change.	K1
CO2	Discuss the climate change policy and mitigation.	K2
CO3	Predict and analyse the integrated assessment of climate Changes.	K3
CO4	Analyze the economic instruments in designing appropriate climate change policy	K4
CO5	Estimate and illustrate the climate change negotiations and equity.	K5

Semester–II			
ELECTIVE IV – ECONOMICS OF CLIMATE CHANGE			
CourseCode:23PECE24	Hrs/Week:4	Hrs/Semester:60	Credits:3

Course 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.

Unit-I: Introduction

12Hrs

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.

Unit-II: Climate Change Policy-Mitigation

12Hrs

Efficiency, public goods, externalities; environmental policy instruments – emissions trading, carbon tax, emission trading versus tax; stock pollutants and discounting; decisions under risk and uncertainty.

Unit -III: Integrated Assessment

12Hrs

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.

Unit-IV: Climate Change Policy-Adaptation

12Hrs

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.

Unit -V: Climate Change Negotiations and Equity

12Hrs

Criteria for distribution of emission reduction burden; distribution criteria for adaptation fund; inter and intra-generational equity issues; discounting in climate change context.

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:

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.

Web Resources:

1. <https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwj>
2. [https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwj-](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwj)

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	3	3	3	2	3	2	3	3	3
CO-2	3	3	3	3	2	3	3	2	3	2
CO-3	3	3	3	2	2	3	3	2	3	3
CO-4	3	3	2	2	2	3	3	3	3	3
CO-5	3	3	3	2	2	3	3	3	3	3
Ave.	3	3	2.8	2.4	2	3	2.8	2.6	3	2.8

Semester-II

SEC–SOCIAL ETHICS AND RESPONSIBILITIES

(Women Empowerment, Disability, Social Inclusion)

CourseCode:23PECS21	Hrs/Week:4	Hrs/Semester:60	Credits:2
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Course Objective:

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

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Describe the importance of Ethics and outlining the various types of Ethical Issues in an organization	K1
CO2	Discuss the ethical issues in the workplace and boost employee morale and lead to greater productivity.	K2
CO3	Demonstrate an understanding of and commitment to social justice and apply that knowledge to create safe, healthy, equitable, and thriving communities.	K3
CO4	Creates and fosters inclusive communities.	K4
CO5	Test the various schemes for disabled	K5

Semester–II**SEC–SOCIAL ETHICS AND RESPONSIBILITIES**

(Women Empowerment, Disability, Social Inclusion)			
CourseCode:23PECS21	Hrs/Week:4	Hrs/Semester:90	Credits:2

Unit -1: Introduction **12Hrs**

Social Ethics – Definition - -Ethical Model: Golden Rule Model and Kantian Model – Ethical Decision - making, Ethical Dilemmas in Organization, Corporate Governance-Types of Ethical Issues - Theft - Bribery and Corruption - Exploitation of Employees – Discipline –Whistle Blowing.

Unit-II: Work place and Professional Ethics **12Hrs**

Ethical Issues in Workplace- Types - Accountability - Employee Favoritism -Bad Leadership Behavior-Gender Ethics- Sexual Harassment and Discrimination.

Unit-III: Social Responsibility of Business **12Hrs**

Social Responsibility of Business – Shareholders-Employees -Customers-Community and Government - Corporate Social Responsibility Initiatives - Dimensions-Ethics of Environment Protection & Pollution Control.

Unit-IV: Social Inclusion **12Hrs**

Meaning of Social Inclusion and Exclusion – Dimensions of Social Inclusion- Gender Inclusion and Equality

Unit- V: Opportunities for Disabled **12Hrs**

Mainstreaming Disability- Provision of Employment Opportunities for disabled – Indian Government Schemes– Ministry of Social Justices and Empowerment

Textbooks:

1. Jenny Teichman(1996) Social Ethics A Student's Guide Wiley Blackwell
2. John S. Feinburg and Paul D. Feinburg(2010) Ethics for a Brave New World, Crossway

References

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

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>

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	3	2	2	3	3	3	2	2	3
CO-2	3	3	2	3	2	3	2	2	3	2
CO-3	3	3	2	2	2	3	2	2	3	3
CO-4	3	2	2	2	3	2	2	2	2	2
CO-5	3	3	2	2	2	3	2	2	2	3
Ave.	3	2.8	2	2.2	2.4	2.8	2.2	2	2.4	2.6

Semester –III
CORE – I ADVANCED MACROECONOMICS

Course Code: 23PECC31	Hrs / Week: 6	Hrs / Semester : 90	Credits : 5
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Course Objectives:

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

Course Outcomes (Cos):

Upon Completion of this course, the Students will be able

No.	Course Outcomes	K-Levels
CO1	Understand the concepts of general Equilibrium in the Economy and its models and approaches	K1
CO2	Define, Illustrate and examine the role of rational expectations influencing macroeconomics variables, models of income and the various approaches to the working of business cycles.	K2
CO3	To demonstrate, identify and to understand the functions of the major propositions of new Keynesian macroeconomics	K3
CO4	Evaluate and analyse the open economy model in post Keynesian era	K4
CO5	Apply the role of stabilization policies such as fiscal and monetary policy on the economy and to analyze, elaborate and to know the importance government policies and tax frame work	K5

Semester –III			
CORE – I ADVANCED MACROECONOMICS			
Course Code: 23PECC31	Hrs / Week: 6	Hrs / Semester : 90	Credits : 5

Unit 1: Classical, Keynesian and Post Keynesian Macroeconomics **18Hrs**

Classical Theory of Output and Employment- Full employment equilibrium- AD-AS Model- Keynesian Theory of Output and Employment- Under employment equilibrium- Effective Demand-Hicks Hansen IS-LM- BP Model.

Unit II: The New Classical Macroeconomics **18Hrs**

Assumptions of Rational Expectation Hypothesis- Policy Ineffectiveness Theorem- Aggregate supply hypothesis- Policy implications of new classical Approach- Source of Productivity shocks in Real Business Cycle Theory- Stabilisation Policy and Unemployment.

Unit III: New Keynesian Macroeconomics **18Hrs**

Core propositions of new Keynesian macroeconomics- Wage and Price Rigidities- New Keynesian business cycle theory- Policy implications of new Keynesian macroeconomics

Unit IV: Open Economy Macroeconomics **18Hrs**

Openness in goods in financial market- output interest rate and exchange rate- exchange rate regimes- exchange rate and balance of payments- Assessment of BOP in India

Unit V: Macroeconomic Policies **18Hrs**

Stabilisation policies- Theory of policy- Tinbergens Approach- Fiscal Policy- Monetary Policy- Optional Policy Mix- Crowding out effect- Bond Financed and Tax Financed Government Expenditure- Government Budget and Budget Deficit.

Text Books

1. Dornbusch, Rudiger, Stanley Fischer, and Richard Startz (2000). Macroeconomics, Tata McGraw-Hill Publishing Company, New Delhi.
2. Roger E.A. Farmer (2002), Macro Economics, Thompson Asia Pvt. Ltd., Singapore.

Reference Books

1. Michl, T. R. (2015). Macroeconomic Theory: A Short Course: A Short Course. Routledge.
- Levacic, R. (1982). Macroeconomics: an introduction to Keynesian-neoclassical controversies (No. 339.2 L4.). Macroeconomics: Dornbusch, Fischer, and Startz (Ninth Edition), 2004. Tata McGraw-Hill
2. Blanchard, O., & Giavazzi, F. (2003). Macroeconomic effects of regulation and deregulation in goods and labor markets. The Quarterly Journal of Economics, 118(3), 879-907.
- Romer D., 1996, Advanced Macroeconomics, McGraw-Hill International.
3. Obstfeld, M., Rogoff, K. S., & Wren-lewis, S. (1996). Foundations of international macroeconomics (Vol. 30). Cambridge, MA: MIT press.
- Krugman, P.R., and M. Obstfeld, 2003, International Economics: Theory and Policy, 6th edition, India: Pearson Education.

Web Resources

1. <https://www.econlib.org/library/Enc/bios/Keynes.html>
2. <https://www.postkeynesian.net/post-keynesian-economics/>
3. <https://www.bu.edu/econ/files/2014/08/DLS1.pdf>

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	2	2	2	3	2	2.2	3	2
CO-2	2	2	2	2	3	3	2	2	3	3
CO-3	3	2	2	2.6	2	2	2.5	3	2	2
CO-4	2	2	3	2	3	2	3	2	2	2
CO-5	2	2	2	2.2	2	3	2	2.2	2.2	2
Ave.	2.4	2	2.2	2.16	2.4	2.6	2.3	2.28	2.44	2.2

Semester –III			
CORE VIII – I PUBLIC FINANCE			
Course Code: 23PECC32	Hrs / Week: 6	Hrs / Semester : 90	Credits : 5

Course Objectives:

1. To understand the economics of government expenditure and taxation.
2. To discuss the implications of policy for efficiency and equity.

Course Outcomes (Cos):

Upon Completion of this course, the students will be able

No.	Course Outcomes	K-Levels
CO1	To label and interpret the basic theories of public finance.	K1
CO2	To explain, identify and analyse the public expenditure.	K2
CO3	To compute, outline and determine about taxes	K3
CO4	To organize, examine and evaluate about fiscal policy.	K4
CO5	To conclude, develop and explain about Indian public finance.	K5

Semester –III			
CORE VIII – I PUBLIC FINANCE			
Course Code: 23PECC32	Hrs / Week: 6	Hrs / Semester : 90	Credits : 5

Course Objectives:

1. To understand the economics of government expenditure and taxation.
2. To discuss the implications of policy for efficiency and equity.

Unit I: Introduction

20Hrs

Introduction Role of public finance - Major Fiscal functions- Private and Public goods – Mixed goods –Merit goods- Social goods-Market failure Public goods and externalities.

Unit II: Theories of Public Expenditure

20Hrs

Public Expenditure Theories of Public Expenditure – Musgrave – Wagner - Peacock Wiseman– Growth of Public Expenditure – Canons and Evaluation of Public Expenditure.

Unit III: Taxation and Public Debt

20Hrs

Direct and Indirect taxation – Cannons and Principles of Taxation – Theory of optimal taxation – modern theory of incidence- Classification and Sources of public debt–Burden of public debt– Principles of public debt–Methods of repayment of public debt–Compensatory aspects of public debt policy.

Unit IV: Fiscal Policy

15Hrs

Fiscal Policy and Fiscal Federalism Objectives and Instruments of Fiscal policy –Compensatory Fiscal policy – Fiscal policy for Economic stability and growth– Effectiveness of fiscal policy- Fiscal federalism – Role of finance commission – Principles – Recommendations of 14th Finance Commission and Terms of Reference of the 15th Finance Commission – Transfer of resources from Union and States and States to Local Bodies.

Unit V: Financial Administration

15Hrs

Indian Public Finance - Financial Autonomy in India – Tax Reform proposals of Kelkar Committee Tax structure and Working of Fiscal federalism in India – Resource transfer from union to state of Tamil Nadu – VAT – Merits and Demerits- GST design, implementation and impact- Fiscal consolidation in India since 2001-2002 – Fiscal responsibilities of central and state- FRBM Act 2003- Central and State government Budgets – issues of fiscal deficit.

Text Books:

1. Tyagi B.P., Public Finance, Jai Prakash Nath & Company, 2014
2. AmerashBagchi (2005), Readings in Public Finance, Oxford University Press, New Delhi.

References:

1. AmerashBagchi (2005), Readings in Public Finance, Oxford University Press, New Delhi.
2. Rao, M. Govida and Nirvikar Singh, (2005), The Political Economy of Federalism in India, Oxford University Press, New Delhi.
3. Government of India, Economic Survey (Annual issues). Ministry of Finance, New Delhi. Tamilnadu State Council for Higher Education 15.

Web Resources:

1. <https://www.india.gov.in/my-government/documents/policy>
2. <http://www.niti.gov.in>
3. <https://www.indiabudget.gov.in/>

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	3	2	3	3	3	2	2	2	3
CO-2	2	3	2	3	3	3	3	2	2	3
CO-3	3	2	3	2	2	2	2	3	2	2
CO-4	2	3	3	2	2	2.2	2	2	2	2
CO-5	2	3	3	2	3	2.3	2	2	2	2
Ave.	2.4	2.8	2.6	2.4	2.6	2.5	2.2	2.2	2	2.4

Semester –III			
CORE IX – RESEARCH METHODOLOGY			
Course Code: 23PECC33	Hrs / Week: 5	Hrs / Semester : 75	Credits : 4

Course Objectives

1. This course describes the ethical issues in social science research and the present position of economic research. It covers data collection methods and different types of research design. It also discusses about qualities of a good research report
2. To Develop and equip quality research culture among students

Course Outcomes (Cos):

Upon Completion of this course, the students will be able

No.	Course Outcomes	K-Levels
CO1	To understand what are all the basic concepts in Research and explain means of data collection	K1
CO2	Explain and distinguish various sources of primary and secondary data and to apply it in data collection	K2
CO3	Demonstrate, construct, and explain the functions of presenting data in different methods	K3
CO4	To develop the statistical inference and to explain the errors that can happen during data analysis	K4
CO5	To illustrate, identify, evaluate and create new models and evaluate the data	K5

CORE IX – RESEARCH METHODOLOGY			
Course Code: 23PECC33	Hrs / Week: 5	Hrs / Semester : 75	Credits : 4

Course Objectives

1. This course describes the ethical issues in social science research and the present position of economic research. It covers data collection methods and different types of research design. It also discusses about qualities of a good research report
2. To Develop and equip quality research culture among student

Unit I: Research in Economics

15Hrs

Research Methods in Economics Nature of Social Science Research – Research Methods in Social Science – Formulating the problem- Types and Sources of Hypothesis – Characteristics of a Good hypothesis- Components and types of research design – Collection of data – sources and methods- Format of a Report.

Unit II: Data Collection

15Hrs

Sampling and Data collection Sampling; Need, types, Probability sampling, random, systematic, stratified, multistage or cluster sampling, Non Probability sampling; Purposive Judgment, quota and snowball sampling- Data collection; Primary and Secondary data; NSS and censuses data Methods of data collection- Tools of data collection; schedule and questionnaire.

Unit III: Research Design

15Hrs

Data Processing and Presentation Processing and analysis of data: Editing, coding and tabulation; use of computers in social science research- Interpretation of results and Report writing – Preparation of Project Proposals.

Unit IV: Data Analysis – I

15Hrs

Statistical Inferences Census Versus sampling -Random and Non-Random sampling Techniques Estimation – Point and interval estimation – Statistics and Parameter – Standard Error – Confidence interval- Null and Alternative hypothesis – Type I Error and Type II Error, Level of Significance – Critical region – Steps in Testing of Hypothesis.

Unit V: Data Analysis – II

15Hrs

Large and small Sample Tests Properties and uses of Normal Distribution – Standard normal ‘Z’ Statistic Z-Test of Significance of proportions, means and Correlation- ‘t’ Test for sample mean and Equality of mean – Paired ‘t’ Test- Chi-Square Test for Association of Attributes.

Text Books:

1. C.R. Kothari (2002), Research Methodology Vikas publishing House, New Delhi.
2. Goode W. J and Hatt(1952), Methods in Social Research, Mcgraw Hill Book Co, Tokyo.

Reference:

1. Young, Pauline V., Scientific Social Surveys and Research, 4th Edition, Prentice Hall of India, 1977
2. Bryman, Alan, Social research methods, 4th Edition, Oxford University Press, 2008
3. Patton, M.Q., Qualitative Research and Evaluation Methods, 3rd Edition Sage 41 Publications, 2002

Web Resources

1. www.socialresearchmethods.net
2. www.ualberta.ca
3. <http://finmin.nic.in>

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	3	3	2	3	3	2	3	2	3
CO-2	3	2.4	3	2.2	2	3	2	2	3	2
CO-3	3	3	2	3	2	3	2	3	3	2
CO-4	2	3	3	2	3	2	3	2	2	2
CO-5	3	2	2	2	2	2	2	3	2	3
Ave.	2.8	2.68	2.6	2.24	2.4	2.2	2.2	2.6	2.8	2.4

Semester –III			
CORE IX – POPULATION ECONOMICS			
Course Code: 23PECC34	Hrs / Week: 5	Hrs / Semester : 75	Credits : 4

Objectives:

1. To acquaint the students to the components of population, its measurement and its economic implications.
2. Learn how economists and demographers use statistics to understand economic behavior.

Course Outcomes (Cos):

Upon Completion of this course, the students will be able

No.	Course Outcomes	K-Levels
CO1	Comprehend the basic components of population (fertility, mortality, migration)	K1
CO2	Relate the facts affecting fetal perinatal, infant and child hood mortality, relationship between infant mortality and fertility.	K2
CO3	clear understanding of the inter-relationship between demography and the process of economic development	K3
CO4	Know the basic elements of economic and its relation to population.	K4
CO5	To explore various aspects of the population policy and to study its impact on socio economic issues	K5

Semester –III			
CORE IX – POPULATION ECONOMICS			
Course Code: 23PECC34	Hrs / Week: 5	Hrs / Semester : 75	Credits : 4

Objectives:

1. To acquaint the students to the components of population, its measurement and its economic implications.
2. Learn how economists and demographers use statistics to understand economic behavior

Unit I: Population Growth and Fertility

15hrs

Trends of population growth since the beginning of 20th century - basic measures of demography: rates and ratios; data sources: census, surveys and vital statistics - Measures of fertility: CBR, GFR, TFR, cumulative fertility rate, child women ratio, gross and net reproduction rates.

Unit II: Mortality

15Hrs

Basic measures- CDR, age specific death rate - early neonatal, neonatal - infant mortality rates- perinatal mortality and maternal mortality rates - Life table- complete and abridged, and their construction - determinants of mortality- causes of high mortality in LDCs with special reference to India- trend of Indian mortality measures taken to improve health status.

Unit III: Migration and Urbanization

15Hrs

Measures of migration- internal and international migration- push and pull factors - Urbanization- its measures and determinants- factors propelling urbanization in developed countries- urbanization in developing countries- its patterns and factors promoting urbanization in the developing countries with special reference to India.

Unit IV: Population growth

15Hrs

Arithmetic, geometric and exponential growth rates of population - relation between growth rate and doubling time of population - age distribution (age pyramid), young and old age dependency ratios and their determinants - dependency ratio and savings.

Unit – V Population Projections and Policy

15Hrs

Population estimates and projections: mathematical and demographic methods - measures of labour force- factors determining labour force participation rate -Indian population policy- family planning and family welfare programme in India- its evaluation -National Population Policy 2000.

Text book

1. Shryock, H., The Methods and Materials of Demography.
2. Bogue, D J., Principles of Demography

Reference

1. Saxena, P. C. and Talwar P. P. (Eds.), Recent Advances in the Techniques of Demographic Analysis, Himalayan Publishers, Bombay, 1988.
2. Coale, A. J. and E. M. Hoover, Population Growth and Economic Development in Low Income Countries, Oxford University Press.

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	3	2	3	3	3	3	2	3
CO-2	3	2	2	3	2	2	2	2	2	2
CO-3	3	2	2	2	2.6	2	2.4	2	3	2
CO-4	3	2	2	3	2	2	2	2	2	2.1
CO-5	2	2	2	2	2	3	2.3	2	2	2
Ave.	2.8	2	2.2	2.4	2.32	2.4	2.34	2.2	2.2	2.22

Semester –III			
Elective V – MARITIME ECONOMICS			
Course Code: 23PECE31	Hrs / Week: 4	Hrs / Semester : 60	Credits : 3

Course 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:

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	To understand the knowledge of challenges of Maritime Economics	K1
CO2	To know the factors influencing demand and supply	K2
CO3	Identify types of shipping and to know shipping policies	K3
CO4	Gain in-depth knowledge in maritime trade in economy	K4
CO5	Analyze the impact and trends in developed and developing countries	K5

Semester –III			
Elective V – MARITIME ECONOMICS			
Course Code: 23PECE31	Hrs / Week: 4	Hrs / Semester : 60	Credits : 3

Unit 1: Basic Concepts of Maritime Economics

12Hrs

Meaning-Nature- Scope and Importance- Challenges of Maritime Economics - Basic Analytics and Economic Concepts: Time Value of Money - Decision Making and Risks.

Unit 2: Demand and Supply

12Hrs

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.

Unit 3: Maritime Shipping Maritime Shipping:

12Hrs

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.

Unit 4: Maritime Trade Economy

12Hrs

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.

Unit 5: Trends in Maritime Economy

12Hrs

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-Impact of maritime trade on Indian Economy.

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
2. [https://www.ey.com/Publication/vwLUAssets/ey-shipping-survey-enshort/\\$FILE/Shipping_Survey_enshort.pdf](https://www.ey.com/Publication/vwLUAssets/ey-shipping-survey-enshort/$FILE/Shipping_Survey_enshort.pdf)
3. <https://mitpress.mit.edu/9780262100250/port-economics/>

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	3	3	2	3	2	3	2	3
CO-2	3	2	2	2	2	3	2	2	3	2
CO-3	2	3	3	3	2	3	2	2	2	2
CO-4	3	2	2	2	2.2	2	2	2.7	3	3
CO-5	3	2	2	2	2	2	2	3	3	3
Ave.	2.8	2.2	2.4	2.4	2.04	2.6	2	2.54	2.6	2.6

Semester –III			
SEC – PERSONALITY DEVELOPMENT			
Course Code: 23PECS31	Hrs / Week: 4	Hrs / Semester : 90	Credits : 3

Course Objectives:

1. To mark the students able and effective leadership and personality development
2. To learn the self-evaluation skill

Course Outcomes (Cos):

Upon Completion of this course, the Students will be able to

No.	Course Outcomes	K-Levels
CO1	Understand the importance of personality development	K1
CO2	To evaluate the Characteristics of Personality	K2
CO3	Examine and analyse the concept of Self-evaluation	K3
CO4	Describes the concept of Qualities of Personality Development	K4
CO5	Create the self-evaluation and Organizational Context of Leadership and Personality	K5

Semester –III			
SEC – PERSONALITY DEVELOPMENT			
Course Code: 23PECS31	Hrs / Week: 4	Hrs / Semester : 60	Credits : 3

Course Objectives:

1. To mark the students able and effective leadership and personality development
2. To learn the self-evaluation skill

Unit I: Concept of Personality 12Hrs

Personality - Definition and meaning, Importance, Leadership and Management, Leader vs Manager, Essential qualities of an effective leader

Unit II: Personality Characteristics 12Hrs

Personality: Concept and Definition, Determinants of personality, Personality traits, Personality characteristics in organizations

Unit III: Self-evaluation 12Hrs

Self-evaluation, Locus of control, Self-efficacy, Self-esteem, Self-monitoring: Positive and negative Impact. Organizational Context of Leadership and Personality - Contemporary Business Leaders.

Unit IV: Qualities of Personality Development 12Hrs

Body language - Problem-solving - Conflict and Stress Management - Decision-making skills - Character building -Team-work – Time management - Work ethics and etiquette.

Unit V: Aspects of Employability 12Hrs

Resume building- Interactive session – Facing the Personal (HR & Technical) Interview – Self Introduction - Psychometric Analysis - Mock Interview Sessions.

Textbooks:

1. Parikh, M., & Gupta, R. K. (2010). *Organisationalbehaviour*. Tata McGraw Hill Education Pte. Limited.
2. Mullins, L. J., & McLean, J. E. (2019). *Organisationalbehaviour in the workplace*. Harlow: Pearson.

References:

1. Hofmann, D. A., & Jones, L. M. (2005). Leadership, collective personality, and performance. *Journal of Applied psychology*, 90(3), 509.
2. Aurther, J. (2006). *Personality development*. Lotus Press.
3. Roberts, B. W. (2006). Personality development and organizational behavior. *Research in organizational behavior*, 27, 1-40.

Web References

1. <https://hbr.org/2017/09/could-your-personality-derail-your-career>
2. <https://au.indeed.com/career-advice/resumes-cover-letters/personal-skills>
3. [https://socialsci.libretexts.org/Courses/College_of_the_Canyons/COMS_246%3A_Interpersonal_Communication_\(Leonard\)/2%3A_Communication_and_the_Self/2.1%3A_Self-Concept%2C_Self-Esteem_and_Self-Efficacy](https://socialsci.libretexts.org/Courses/College_of_the_Canyons/COMS_246%3A_Interpersonal_Communication_(Leonard)/2%3A_Communication_and_the_Self/2.1%3A_Self-Concept%2C_Self-Esteem_and_Self-Efficacy)

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	3	3	2	2	3	3	2	2
CO-2	3	2	3	2	2	3	2	3	2	2
CO-3	3	2	2	3	2	3	3	2	3	3
CO-4	3	3	2	2	2	2	2	3	2	3
CO-5	2	2	3	2	2	2	2	2	3	2
Ave.	2.6	2.2	2.6	2.4	2	2.4	2.4	2.6	2.4	2.4

Semester –III			
INTERNSHIP			
Course Code: 23PECC33	Hrs / Week: 6	Hrs / Semester : 90	Credits : 2

The primary objective of the Summer Internship Programme (SIP) is to enable students gain an exposure to industry and understand current and contemporary HR management practices by spending a minimum of 45 days in a company during their summer break between the 2nd and 3rd semester. It is designed to give the trainees continuity of work experience. A report (30 to 35 pages) should be submitted and Viva Voce will be conducted. It is mandatory and five credits will be awarded for it.

SEMESTER- IV

Semester –IV			
CORE XI – INDUSTRIAL ECONOMICS			
Course Code: 23PECC41	Hrs / Week: 6	Hrs / Semester : 90	Credits : 5

Course Objectives:

1. To enable the students to acquire knowledge relating to Industrial impact on the economy.
2. To understand the global impact of domestic industries in the Economy

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	To list out and outline the basic concepts of industrialization.	K1
CO2	To make use theories industrial location and industry the regional development.	K2
CO3	To interpret, develop and determine the structure of industrial organization.	K3
CO4	To illustrate the sources of industrial finance.	K4
CO5	To summarize solve and priorities the issues.	K5

Semester –IV			
CORE XI – INDUSTRIAL ECONOMICS			
Course Code: 23PECC41	Hrs / Week: 6	Hrs / Semester : 90	Credits : 5

Unit I: Introduction **18Hrs**

Industrialization - Meaning of Industrialization – Industrialization in India - Factors hampering Industrial development in India – Current status of the Indian Industrial Sector.

Unit II: Industrial Location **18Hrs**

Theories of Industrial location Factors influencing Industrial Location measures of location – Patterns of industrialization – Hoffman, Simon Kuznets and Chenery-Concept of “Optimum Firm” – Factors determining optimum size of a firm

Unit III: Industrial Organization **18Hrs**

Structure and change- Public policy and industries and concentration: Concepts –Measures of monopoly – Control of monopoly-Industrial monopoly legislation- The Indian MRTP Act, 1969- Competition Act 2002

Unit IV: Industrial Finance and Development Financial Institutions (DFIs) **18Hrs**

Industrial Finance – Sources of Industrial Finance – Development Financial Institutions (DFIs) – National Level Financial Institutions – State Level Financial Institutions – Regulation and Supervision of Financial Institutions – Recent Policy Initiatives regarding Development Financial Institutions (DFIs) and BIFR.

Unit V: Issues in Indian Industry **18Hrs**

Rationale-organization – Pricing policies – The question of efficiency – Performance of public sector in India – Evaluation of Industrial reform measures- Industrial policy since 1991-Foreign capital and role of MNC in India-Recent policy measures

Text Books:

1. Industrial Economics: An Introductory Textbook, R.R. Barthwal.
2. Industrial Economics, I.C. Dhingra.

References:

1. Divine, P.J. et al., (1978), An Introduction to Industrial Economics 3e [George Allen and Unwin, London]
2. Hay, D.A. and D.J.Morris (1979), Industrial Economics: Theory and Evidence [Oxford University Press, Oxford]
3. Anup Chatterjee, (2012) “Industrial Policy and Economic Development in India – 1947 - 2012” – New Century Publications, New Delhi.

Web Resources:

1. <https://www.amazon.in/Birth-Death-Consumers-Population-Studies-ebook/dp/B074VFY96J>
2. <https://www.taylorfrancis.com/series/international-population-studies/ashser1353>
3. <https://www.indiabudget.gov.in/economicsurvey/>

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	2	3	3	2	2	3	2	3	2	3
CO-2	3	2	2	2	2	2	2	3	2	2
CO-3	3	3	2	3	2	3	3	2	2	3
CO-4	3	2	2	2	2	3	2	3	2	2
CO-5	2.2	3	2	2	2	3	2	3	2	3
Ave.	2.64	2.6	2.2	2.2	2	2.8	2.2	2.8	2	2.6

4.

Semester –IV			
CORE XI – MANAGERIAL ECONOMICS			
Course Code: 23PECC42	Hrs / Week: 6	Hrs / Semester : 90	Credits : 5

Course Objectives

1. To develop and understand the applications of theory and science in managerial economics.
2. To discuss optimization in capital budgeting and investment decisions.

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

CO Code	Course Outcomes	K-Levels
CO1	To define, explain and elaborate the scope of managerial economics.	K1
CO2	To identify and elaborate the demand forecasting techniques.	K2
CO3	To classify and discuss the pricing strategies.	K3
CO4	To summarise and illustrate the BEP and Capital Budgeting.	K4
CO5	To examine and discuss the investment appraisal.	K5

Semester –IV			
CORE XI – MANAGERIAL ECONOMICS			
Course Code: 23PECC42	Hrs / Week: 6	Hrs / Semester : 90	Credits : 5

Unit I: Nature, Scope and Concepts of Managerial Economics 15Hrs

Managerial Economics – Meaning and Definition – Scope of Managerial Economics – Tools that aid in decision making process – Fundamental concepts of managerial economics – Uses of Managerial Economics, risk and uncertainty, role of managerial economists.

Unit II: Demand Forecasting 19Hrs

Meaning and Definition, Demand Estimation – Objectives of Demand Forecasting – Process of forecasting – short term and long term forecasting – Demand forecasting techniques - survey method and statistical method – criteria of a good forecasting method.

Unit III: Pricing Strategies 20Hrs

Price discrimination: First degree, Second degree and third degree price discrimination- Approached to Pricing - Cost-plus pricing - target return pricing-product lifecycle pricing-skimming strategy-penetration strategy-transfer pricing.

Unit IV: Break – Even Analysis and Capital Budgeting 18Hrs

Meaning and Definition – Concepts – BEA – contribution analysis, Profit Volume Ratio, Margin of Safety – Capital Budgeting – Meaning and Significance of capital budgeting.

Unit V: Investment Appraisal 20Hrs

The investments election process-Estimating cash flows-Evaluating Investment- payback method- net present value method- The cost of capital- dividend valuation model-Capital–asset pricing model.

Text Books

Managerial Economics, [Yogesh Maheswari](#) ,2012.
Managerial Economics, H.L.Ahuja, 2018.

Reference Books

Howard Davies(1998),Managerial Economics, Pitman, London.
WilliamBoyes (2005), TheNewManagerialEconomics
(IndianAdaptationEdition), NewDelhiBiztantra.
AhujaH.L.(2008),Managerial Economics(S.Chand&Co,NewDelhi).

Web Resources

1. <https://www.amazon.in/Managerial-Economics-Yogesh-Maheshwari-ebook/dp/B00K7BMJQA>
2. <https://www.kobo.com/in/en/ebook/managerial-economics-5>
3. <https://plato>.

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	3	3	2	3	3	2	2	3
CO-2	3	3	3	3	2	2	3	3	2	2
CO-3	3	2	2	2	2	3	2	3	2	3
CO-4	3	3	2	2	2	3	2	2	2	2
CO-5	2	3	2	3	2	3	2	2	2	3
Ave.	2.8	2.6	2.4	2.6	2	2.8	2.4	2.4	2	2.6

Semester –IV			
CORE XII- FINANCIAL INSTITUTION AND MARKETS			
Course Code: 23PECC43	Hrs / Week: 6	Hrs / Semester : 90	Credits : 4

Course Objectives

1. To understand the role and function of the financial system in reference to the macro economy.
2. To provide the students with a thorough knowledge and understanding of the functioning of the financial institutions and markets in India.
3. Demonstrate an awareness of the current structure and regulation of the Indian financial services sector.

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

CO Code	Course Outcomes	K-Levels
CO1	explain the role of short-term financial manage and the key strategies and techniques used	K1
CO2	describe the dimensions of performance and risk relevant to financial firms	K2
CO3	Calculate contemporary measures of financial measures of performance and risk.	K3
CO4	describe contemporary managerial risk management oversight processes	K4
CO5	Apply techniques to project financial statements for forecasting long-term financial needs.	K5

Semester –IV			
CORE XIV- FINANCIAL INSTITUTION AND MARKETS			
Course Code: 23PECC43	Hrs / Week: 6	Hrs / Semester : 90	Credits : 4

UNIT-1: Financial System

18 Hrs

Nature & Role of Financial System - money and near money - Financial Equilibrium in financial markets –the structure of the financial system equilibrium in financial markets-functions of financial sectors.

UNIT-II: Interest Rates

18 Hrs

Structure of interest rates-level of interest rates- long period & short period rates - term Structure of interest rates - spread between lending & deposit rates-Administered interest rate appropriate interest rate policy.

UNIT-III: Non-Bank Financial Institutions

18 Hrs

Non-bank financial intermediaries- definition and types of non- bank financial institutions- growth and impact on India's economic development-Measures taken to control their operations.

UNIT-IV: Money Market and Capital Market

18 Hrs

Role and structure of money & capital market - call money market, Treasury bill market- Commercial bill market including commercial paper and certificate of deposits. Discount market - Government securities market- markets for derivatives: future and options and other derivatives- SEBI, its impact on capital market in India- IDRA and its role in financial markets.

UNIT-V: Role of Financial Markets

18 Hrs

International financial markets -nature, organization and participants- reforms in international monetary system and its impact on developing countries-Euro- dollar and Euro- currency markets; their developmental role and regulation at the international level.

Text Book:

Bhole L.M. Financial Institutions and Markets. New Delhi: TMH Publications, 2nd edition 2010

Books for Reference:

1. Bhole L.M. Indian Financial System. Allahabad: Chugh Publications, 2010
2. Edminster R.O Financial Institutions, Markets & Management. New York: McGraw Hill, Khan, M.Y. 2nd edition 2005
3. Prasad K.N. Development of India's Financial System. New Delhi: Arup & Sons, Publications, 2003
4. Chandra. P. Financial Markets. New Delhi: TMH Publications, 2nd edition 2000

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	3	3	2	3	2	3	2	3
CO-2	3	3	2	2	2	2	3	2	2	2
CO-3	3	3	2	3	2.6	3	3	2	2	3
CO-4	3	3	3	2	2.5	2	2	3	3	3
CO-5	2	3	2	3	2	3	2	2	3	3
Ave	2.8	2.8	2.4	2.6	2.22	2.6	2.2	2.4	2.4	2.8

Semester –IV			
CORE XIV – DIGITAL ECONOMY			
Course Code: 23PECC44	Hrs / Week: 6	Hrs / Semester : 90	Credits : 4

Course Objectives

1. To know main technologies of Digital Economy, the role of them in a company's functioning.
2. To analyse the influence of Digital Economy on world economy.
3. To evaluate risks of Digital Economy's functioning. Understand perspectives and problems of using digital technologies.

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

CO Code	Course Outcomes	K-Levels
CO1	able to know the fundamentals of the digital economy	K1
CO2	able to evaluate the various challenges that the globalization of digital economy presents having a framework for analyzing advancement	K2
CO3	Contemporary and potential challenges arising from global digital transformation	K3
CO4	familiarized with the nature and extent of the global digital economy today	K4
CO5	aware of the likely global implications of digital economy development in the future economy.	K5

Semester –IV			
CORE XI – DIGITAL ECONOMY			
Course Code: 23PECC44	Hrs / Week: 6	Hrs / Semester : 90	Credits : 4

UNIT- I: Introduction

18 Hrs

Meaning of Digital economy-digital economy and its components-Importance of digital economy- Transformation of the real economy into digital economy- Role of technology revolution in the world economy- Knowledge economy vs. Digital economy- Advantages and disadvantages of the digital economy

UNIT-II: Digital Innovation

18 Hrs

Digital innovation and its impact on economic growth- Importance of digital innovation - low code support digital innovation-digital business innovation-digital transformation- difference between digital innovation and digital transformation-Concept of the Fourth Industrial Revolution

UNIT-III: Digital Economy's Ecosystem

18 Hrs

Digital ecosystem- digital business ecosystem- a new regulatory framework for the digital ecosystem-features of digital ecosystem-challenges to digital ecosystems-Implications for competitive strategy-digital platform ecosystem

UNIT-IV: Households in the Digital Economy

18 Hrs

Individualization of products and services- changing structure of consumption- potential for economic participation- Digital economy's social impact - The digital divide - globalization and economic growth in the digital age. divide - Key factors of

UNIT-V: States in the Digital Economy in India

18 Hrs

E-government, e-public service-digital enabling- evolving governance frameworks relevant to the digital economy - History of digital economy in India-Role of digital economy in India- challenges of digital economy in India presentation on digital economy in India Importance of digital economy in India

Text Book:

David L. Rogers. The Digital Transformation Playbook. New Delhi: Sultan Chand and Co, 2nd edition 2000

Reference Book:

1. Jan A. Audestad. Digital Economics. Mumbai: Springer Nature Publications, 1" edition 2015.
2. T.L. Mesenbourg. Measuring the Digital Economy In India. Chennai: Sung Publications, 2nd edition 2001.
3. Avi Goldfarb, Shane Greenstein and Catherine Tucker. Economic Analysis of the Digital Economy. New Delhi: Arup & Sons, Publications, 2003
4. Eric Brousseau. Nicolas Curien. Internet and Digital Economics: Principles, Methods and Applications. New Delhi: Virinda Publication Pvt. Ltd2008

PSO Relation Matrix- Table

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
CO-1	3	2	3	3	2	3	3	2	2	3
CO-2	3	3	3	3	3	2	3	3	2	2
CO-3	3	2	2	3	3	3	2	3	2	3
CO-4	3	2	2	2	2	3	2	2	2	2
CO-5	2	3	2	3	2	3	2	2	2	3
Ave.	2.8	2.4	2.4	2.8	2.4	2.8	2.4	2.4	2	2.6

Semester – IV			
Core XV PROJECT			
Course Code: 23PECP41	Hrs/Week:6	Hrs/ Semester: 90	Credits: 4

GUIDELINES FOR THE PROJECT WORK OF THE PG PROGRAMME IN ECONOMICS

The students are expected to carry out a project work in the last semester. It is equivalent to a core course. For maintaining uniformity and quality in its preparation, the Board of Studies has prepared clear guidelines.

The scheme and syllabus of the M.A. Programme in Economics under the CBCS suggests those students shall do a final research project for attaining intellectual maturation. The project is a major document that reflects the skills of the student to investigate critically a topic/problem, the ability to gather and analyze information, and to present and discuss the results/investigation concisely and clearly. The guidelines to be followed in the preparation and submission of the project are as given here under.

1. The students may choose any topic from the subject he/she has studied, including the social and economic issues in the local/regional context.
2. The project work should be supervised by a faculty approved by the University.
3. The students shall prepare and submit the project report to the University/approved study Centre.
4. The report with around 40 A4 size pages (excluding preliminary pages) with at least 20 lines per page on one side of the paper only. The report should be bound (spiral or other ways).
5. The project report should be submitted to the Department within the date announced by the Controller of Examinations
6. The student shall prepare two copies of the report; one copy for submitting to the University and one copy for personal reference.

7. Structure of the project report:

- Title page
- Certificate from the supervising teacher
- Certificate by the students
- Acknowledgements
- Contents
- List of Tables and graphs
- List of Acronyms used
- An Abstract of the project work. The abstract constitutes an up to one-page executive summary, which provides a brief outline of the objectives, scope of the project, the methodology used, the main findings and results achieved and any conclusions and recommendations made. This should appear before the introductory chapter.
- **Chapter I:** Introduction (which includes importance of the study, objectives of the study, methodology and data source, Chapter frame, Concepts used, limitations of the study etc)
- **Chapter II:** Review of Literature
- **Chapter III:** Profile of the study area (Optional)
- **Chapter IV:** Data Analysis (Core of the report)
- **Chapter V:** Summary of Findings and Conclusions
- **Appendix:** Questionnaire/Schedule, other exhibits, case etc.

• **Bibliography** (In referencing and bibliographic preparation, the APA (American Psychological Association) style sheet is recommended).

9. A project work must be the student's own work and must not contain any plagiarized material.

10. Evaluation of the project report: The project report shall be subject to both internal and external evaluation.

11. The internal as well as external evaluation shall be done by the University. This component is examined on the basis of the students' awareness in the research process and its methodology. An objective multiple choice Question Bank developed for the course may be used for internal evaluation.

12. The external assessment of the project is based mainly on the written material. Hence, the objective evaluation of it demands clear procedure. Accordingly, the examiners' assessment of the project work will be based on a variety of features. These include amongst others:

- Understanding of the topic
- Methodology used, the standard of presentation
- The adequacy of the literature survey and data search
- Integration with literature; interpretation of data and results
- Ability to explain findings; originality
- The correct usage of referencing system; etc.