

# **FATIMA COLLEGE (AUTONOMOUS)**



**Re-Accredited with “A” Grade by NAAC (3<sup>rd</sup> Cycle)  
74<sup>th</sup> Rank in India Ranking 2020 (NIRF) by MHRD  
Maryland, Madurai- 625 018, Tamil Nadu, India**

**NAME OF THE DEPARTMENT : THE RESEARCH CENTRE OF ECONOMICS**

**NAME OF THE PROGRAMME : M.A. ECONOMICS**

**PROGRAMME CODE : PAEC**

**ACADEMIC YEAR : 2020 - 2021**



# RESEARCH CENTER OF ECONOMICS

## M.A ECONOMICS 2020-2021

Sem	Subject Code	Title of the Paper	Hrs	Credits
I	19PG1E1	Micro Economic Analysis	6	4
	19PG1E2	Statistical Methods	6	4
	19PG1E3	Indian Economy	6	4
	19PG1E4	Money and banking	6	4
	19PG1EEDC	Business Skills for Women	3	3
		Library	3	--
II	19PG2E5	Macro Economic Analysis	6	4
	19PG2E6	Mathematics for Economist	6	4
	19PG2E7	Financial Markets	6	4
	19PG2E8	Computer Application for Economists	6	4
	19PG2EEDC	Business Skills for Women	3	3
III		Library	3	---
	19PG3E9	Development Economics	6	4
	19PG3E10	Econometrics	6	4
	19PG3E 11	Research Methodology	6	4
	19PG3AE11 19PG3EA11	Financial Economics/ Commerce: Software Package for Accounting Decisions	4+2	4+2
	<b>Electives</b> 19PG3EE1 19PG3EE2	Agricultural Economics Gender Economics	4	4
		Internship		6
IV	19PG4E12	Indian Fiscal System	6	5
	19PG4E13	International Economics	6	5
	19PG4E14	Behavioral Economics	6	5
	19PG4E15	Environmental Economics	6	5
	<b>Electives</b> 19PG4EE3 19PG4EE4	National Income Accounting Industrial Economics	4	4
		PROJECT		

### **Program Specific Outcome: PG**

1. Behavioural Economics and National income Accounting are unique papers of Fatima College.
2. Since IAS portions are incorporated, the students can easily become an IAS.
3. IES syllabus is incorporated as (Self study) course for add on credit
4. Comprehensive Viva is conducted for each subject of Post graduate programs and complete NET portions are covered for 100 marks of CIA.
5. This course help the students in Career and Professional accomplishments in doing business
6. Economic Advisor, Statistical investigator, Statistical officer, Career in Niti Ayog, Career in Banking and Trade, Economist in Companies, Data Analyst in Industries, Research Assistant and Research Advisor etc are created from our department.
7. National Income Accounting teaches them how to do income calculations easily.
8. Students are promoted for pursuing online business through the evaluation methods adopted for computer applications for Economists
9. Free coaching is organised for IRDA exam
10. Under certificate course Law, the students are taught by lawyers to file cases even Party in Person.
11. Environment Sustainability: Burning issues of Tamilnadu such as Bopal Issue, Chernobyle, Clamenseu, Ennayam, Kudankulam, Kulasai Rocket Launching, Farmer issue, Nutrino, Sethu Samuthiram, Methane issue, Green Road Project, waste dumping in sea etc are discussed in Environmental Economics.
12. Ethics: Environmental Education, Tax, Government Schemes, Sanitation, Black Money, Corruption etc. Creativity of the students are enhanced

**I SEMESTER**  
**MAJOR**  
**MICRO ECONOMIC ANALYSIS - 19PG1E1**  
 (For those who joined in 2019 onwards)

**HOURS/WEEK: 6**

**CREDITS: 4**

**COURSE DESCRIPTION**

Micro Economics is the base for Economics. It would impart the knowledge of different types of market, seller, Production and consumption.

**COURSE OBJECTIVE/S**

1. Enable the students to understand the concepts of demand, supply the basic Economic Theories of Consumption, Production & Market Structure.
2. Inculcating the knowledge of Production, Supply, Sales and the prevailing trend of the market.
3. Enabling them to analyse the Perfect and Imperfect market structure and the different types of seller.(Monopoly, Oligopoly, Duopoly,)
4. To equip them to face NET exam and other competitive exams.

**COURSE OUTCOMES (CO)**

No.	Course Outcome	Knowledge Level
CO 1	Equipped with the knowledge of demand and supply	K3
CO 2	Gaining knowledge on the prevailing trends of Market.	K1
CO 3	Enabling them to analyse the Life Cycle of a Product.	K3
CO 4	Inculcating the knowledge on allocation of resources.	K1
CO 5	Equipped themselves to face competitive exams	K3

**UNIT I: INTRODUCTION & THEORY OF CONSUMPTION**

**[15HRS]**

Theory of Demand – Theory of Supply –Partial and general equilibrium analysis – model construction in economics- its uses and limitations – Cobb-web Theorem. Indifference curve Analysis - **Price Effect – Income and Substitution effects (Self study)** – Hicks method and Slutsky's Method – Samuelson's Revealed Preference Theory

**UNIT II:MODERN THEORIES OF CONSUMPTION**

**[15 HRS]**

Hicks revision of demand theory – weak and strong ordering – direct consistency test and derivation of demand law – Modern Utility Analysis of choice

involving risk and uncertainty – Behaviorist approach of **Neumann and Morgenstern** and **NM Utility Index (Self study)** – Friedman Savage Hypothesis.

### **UNIT III: THEORY OF PRODUCTION [15HRS]**

**Concept of production function – modern approach – Technological progress and production function - equilibrium of the firms – choice of optimal combination of factors – Ridge lines – Scale line – Expansion path – Production function of multi product firm (Self study).**

### **UNIT IV: MARKET STRUCTURE [15 HRS]**

An overview of Perfect Competition - Monopoly – Demand and Revenue – Costs – Short and Long run cost of the monopolists – discriminating monopoly – bilateral monopoly – concepts of natural monopoly – Monopsony. Monopolistic competition – Assumptions – cost – products differentiation and the demand curve – the concept of “industry” and the “group” equilibrium of the firm - price and selling cost – Non-price competition. Excess capacity and ideal output. Duopoly – Cournot Model -Oligopoly – Cartels – Collective & Non-Collective –**Kinked Demand Curve.**

### **UNIT V: INFORMATION PROBLEM AND MARKETS WITH ASYMMETRIC INFORMATION [15 HRS]**

Information problem – The market for lemons and adverse selection Asymmetric and the market failure –The Insurance Market and adverse selection – The problem of Moral Hazard – Moral Hazard –free rider problem – **problem of commons and Allocative Inefficiency (Self study)**

### **UNIT VI: DYNAMISM/CURRENTAFFAIR**

1. To go for a primary market survey for a month, to find out the trend of the market and to write report
2. To find out the demand for a new products

#### **COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

<b>Module No.</b>	<b>Topic</b>	<b>No. of Lectures</b>	<b>Content Delivery Method</b>	<b>Teaching Aids</b>
<b>UNIT -I INTRODUCTION &amp; THEORY OF CONSUMPTION</b>				
1.1	Topic 1 Theory of Demand and Supply	3	Lecture	Google Meet
1.1:1	Subtopics:	1	Lecture	Google Meet
1.3	Meaning of demand, supply Law of	2	Lecture	Google

	demand Elasticity of demand, types,			Meet
1.4	Partial and General Equilibrium Analysis	3	Blended teaching	Google Meet,PPT, Study Material
1.5	Indifference curve analysis	1	Lecture	Google Meet
1.6	Price effect andIncome Effect	2	Flipped Learning	Google Meet,
1.7	Substitution effect	1	Flipped Learning	Google Meet
1.8	Revealed Preference Theory	2		Google Meet,PPT, Study Material
<b>UNIT -II MODERN THEORIES OF CONSUMPTION</b>				
2.1	Hicks revision of demand theory – weak and strong ordering	5	Blended teaching	Google Meet,PPT, Study Material
2.2	Neumann and Morgenstern and NM Utility Index	5	Lecture & Discussion	Black Board
2.3	Friedman Savage Hypothesis.	5	Blended teaching	Google Meet,PPT, Study Material
<b>UNIT – III THEORY OF PRODUCTION</b>				
3.1	Concept of production function Modern approach Technological progress and production function	6	Blended Teaching	Google Meet,PPT, Study Material
3.2	Equilibrium of the firms, choice of optimal combination of factors	5	Blended Teaching	Google Meet,PPT,
3.3	Models: Ridge lines, Scale line,	4	Blended	Google

	Expansion path, .		Teaching	Meet,PPT
<b>UNIT IV - MARKET STRUCTURE</b>				
4.2	Different types of Market Perfect Competition, Monopoly, Monopolistic Competition, Duopoly, Oligopoly, Monopsony	10	Flipped Learning	Google Meet, PPT
4.3	Models: Cournot Model -Oligopoly – Cartels, Collective & Non-Collective Kinked Demand Curve.	5	Blended Teaching	Google Meet, PPT
<b>UNIT – V INFORMATION PROBLEM AND MARKETS WITH ASYMMETRIC INFORMATION</b>				
5.2	Information problem The market for lemons and adverse selection Asymmetric and the market failure The Insurance Market and adverse selection	9	Lecture	Google Meet
5.3	Moral Hazard The problem of Moral Hazard Free rider problem Allocative Inefficiency	6	Lecture	Google Meet
<b>UNIT VI DYNAMISM</b>				
6.1	primary market survey for a month, to find out the trend of the market	10	Survey guidance	Report submission in Google Class
6.2	To enable the Students to analyse the demand for a new product	5	Survey guidance	Report submission in Google Class

#### **TEXT BOOKS:**

1. Jhingan M.L. (2017) *Advanced Economic Theory*, Vrinda Publications [P] Ltd, New Delhi, 2<sup>nd</sup> Revised and Enlarged Edition.
2. John Kennedy, M. (2001). *Advanced Micro Economics*, Himalaya Publishing House [P] Ltd., Mumbai, and Edition.

#### **REFERENCE BOOKS:**

1. Agarwal, H.S. (1998) *Advanced Economic Theory* , Konark Publishers Pvt. Ltd., 9th Edition.
2. Arrow K.J. (1997) *Social Choice and Individual Values*, Tata McGraw Hill Publishing Company Ltd., New Delhi, 2nd Edition.
3. Ahuja, H.L. (2017) , *Advanced Economic Theory*, Vrinda Publications [P] Ltd., New Delhi.
4. Baumol, J. William, (1979), *Welfare Economics and Theory of State*, Prentice Hall, Inc., New Jersey.
5. Chopra M.L.(1996) *Advanced Economic Theory*, Kalyani Publishers, New Delhi, 8<sup>th</sup> and 9<sup>th</sup> Edition Reprinted.
6. Koutsoyiannis, (2001) *Advanced Micro Economics*, English Language Book Society, MacMillan Company, London, 1<sup>st</sup> and 2<sup>nd</sup> Edition Reprinted.
7. Harvey, J.(1988) *Modern Economics* , Macmillan education ltd London.
8. Dixit , A.K. (1976) *The theory of equilibrium growth*, oxford university press London.
9. Wilfred Beckerman, (1969) *An introduction to national income analysis*, weiden feld and London.

#### **WEB REFERENCES (OPTIONAL)**

1. <http://www.economicdiscussion.net/theory-of-production/theory-of-production-and-the-production-function/12410>
2. [http://coin.wne.uw.edu.pl/siwinska/Lecture1\\_17a.pdf](http://coin.wne.uw.edu.pl/siwinska/Lecture1_17a.pdf)
3. <http://www.yourarticlelibrary.com/economics/market/market-structure-meaning-characteristics-and-forms-economics/28736>

**Course Teacher : Dr. M. Regina Mary**  
**Department**

**Forwarded By the Head of the**



**I SEMESTER  
MAJOR CORE  
STATISTICAL METHODS - 19PG1E2**  
(For those who joined in 2019 onwards)

**HOURS/WEEK: 6**

**CREDIT:4**

**COURSE DESCRIPTION**

Statistical tools are necessary for the application of economic theories and for doing research work.

**COURSE OBJECTIVE/S**

1. To equip the students with statistical tools needed for research and analysis
2. Designed to be recruited for IES and NET Exams.
3. To equip them to become a good statistical officer

**COURSE OUTCOMES (CO)**

No.	Course Outcome	Knowledge Level
CO 1	Obtaining knowledge on probability.	K1
CO 2	Be equipped on statistical tools.	K3
CO 3	Gained knowledge on analysis and hypothesis.	K1
CO 4	Enabling them to do their research project.	K2
CO 5	Knowledge on evaluating statistical quality control	K2

**UNIT I: PROBABILITY AND THEORETICAL DISTRIBUTION [15HRS]**

**Probability Distribution**- Concept of Probability – **Theorems Probability (Self study)**Theoretical Distribution: – Bayes' Theorem. Binomial, Poisson and Normal distribution - Fitting a normal curve.

**UNIT II: PARAMETRIC TEST OF HYPOTHESIS [15 HRS]**

Procedure of Testing Hypothesis – Type I and II Errors – **One-tailed – Two-tailed (Self study)**

Tests of Hypothesis: Parametric: – t-test, Z-test, F-test – ANOVA

**UNIT III: NON-PARAMETRIC TEST OF HYPOTHESIS [15 HRS]**

Non-Parametric Tests : Chi-square Test, the Sign Test, a Rank Sum Test, One Sample Runs Test, Kruskal-Wallis or H Test – **Spearman's Rank Correlation (Self study)** - Limitations of Non-Parametric Tests.

**UNIT IV: TIME SERIES, INTERPOLATION AND EXTRAPOLATION [15 HRS]**

Time series: Meaning and components of time series –different methods of measuring- trend and seasonal variations only.

Interpolation and Extrapolation Methods of Interpolation –Graphic- Algebraic- Binomial Expansion method – Newton’s method of advancing difference, Newton Gauss[ Forward and Backward] method- **Newton’s Divided Difference method (Self study)** - Lagrange’s method and parabolic curve fitting Extrapolation.

**UNIT V: STATISTICAL QUALITY CONTROL CHART [ 15 HRS]**

Control Limits - Types of Control Charts – X Chart – R Chart – Control Chart for C – Control Chart for P – **Advantages & Limitations of Statistical Quality Control (Self study).**

**UNIT VI DYNAMISM & CURRENT AFFAIRS**

1. Work out problems for all the above statistical concepts
2. Collecting and writing review of articles with the above tools

**COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

Module No.	Topic	No. of Lectures	Content Delivery Method	Teaching Aids
<b>NIT -I PROBABILITY AND THEORETICAL DISTRIBUTION</b>				
1.1	Topic 1 Probability Distribution	5	Chalk & Talk	Black Board
1.1:1	Subtopics:		Chalk & Talk	
1.3	Meaning of Probability, Permutation, Combination, Theorems of Probability	5	Blended Method	PPT & White board
1.4	Theoretical Distribution Bayes’ Theorem, Binomial, Poisson Normal distribution - Fitting a normal curve.	5	Blended Method	Black Board
<b>UNIT -II PARAMETRIC TEST OF HYPOTHESIS</b>				

2.1	Procedure of Testing Hypothesis Type I and II Errors One-tailed – Two-tailed tests	5	Lecture	Black Board and Charts
2.2	Tests of Hypothesis: Parametric: – t-test, Z-test, F-test	5	Chalk & Talk	Black Board
2.3	ANOVA	5	Lecture & Discussion	Google meet
<b>UNIT – III NON-PARAMETRIC TEST OF HYPOTHESIS</b>				
3.1	Sub topics Chi-square Test, the Sign Test, a Rank Sum Test, One Sample Runs Test, Kruskal-Wallis or H Test	10	Blended Learning	Google meet, PPT, Study Material
3.2	Spearman's Rank Correlation - Limitations of Non-Parametric Tests.	5	Blended Learning	Google mee
<b>UNIT IV - TIME SERIES, INTERPOLATION AND EXTRAPOLATION</b>				
4.2	Sub topics: Semi average, Moving average, Method of Least squares	5	Blended Learning	Google meet
4.3	Interpolation Methods of Interpolation Graphic- Algebraic- Binomial Expansion method – Newton's method of advancing difference, Newton Gauss[	7	White Board	Google meet

	Forward and Backward] method- Newton's Divided Difference method-			
4.4	Extrapolation Lagrange's method and parabolic curve fitting Extrapolation	3	Blended Method	Google meet, PPT, Study Material

#### **UNIT – V STATISTICAL QUALITY CONTROL CHART**

5.1	Control Limits - Types of Control Charts – X Chart – R Chart – Control Chart for C – Control Chart for P	9	Blended Method	Google meet, PPT, Study Material
5.2	Advantages & Limitations of Statistical Quality Control.	6	Lecture	Google Meet

#### **UNIT VI DYNAMISM**

6.1	Motivating to work out problems independently for all the above statistical concepts			Encouraging them to choose a
6.2	Enabling to Collect and write review of articles with the above tools			economic problem and apply new statistical tools to find out solution

**TEXT BOOKS:**

Gupta S.P. (2001). *Statistics*, S. Chand & Company Ltd., New Delhi.

**REFERENCE BOOKS:**

1. Monga G.S.(2001) *Mathematics and Statistics for Economics*, Vikas Publishing House Pvt. Ltd., New Delh.
2. Pillai & Bagawathi, R.S.N.(2001) *Statistics*, S. Chand & Company Ltd, New Delhi.
3. Gupta S.C and Kapoor V.K.(2003) *Fundamentals of Applied Statistics* Sultan Chand&Sons, New Delhi.
4. Elhance D.N and Aggarwal B.M.(2003) *Fundamentals of Statistics*, Kitab Mahal, Allahabad.
5. Hooda R.P.(2000) *Statistics for Business and Economics*, MacMillan, New Delhi.
6. Frank, Harry and Althoen, Steven,C.(2000) *Statistics: Concepts and Applications*, Cambridge University Press, Cambridge.
7. Richard I.Levin, David S. Rubin "Statistical for management" Dorling
8. Kindersley publication India, (2008).Seventh Edition 2008
9. Baijley , Norman T.J (1997) *Statistical methods in biology*, London Cambridge University press, 3<sup>rd</sup> edition.
10. Mills Frederick,C. (1955) *Statistical Methods* , New York, Henry Holt and company 3<sup>rd</sup> Edition.
11. Sneduos, George, *Statistical Methods* / george w snedecos and willam.G cochrane 6th edition.
12. Edward, Allen, *statistical methods*, newyork holt Rinehart and Winston inc 3<sup>rd</sup> Edition.

**Course Teacher: Dr. P. Anita**  
**Department**

**Forwarded By the Head of the**

**I SEMESTER  
MAJOR  
INDIAN ECONOMY – 19PG1E3**  
(For those who joined in 2019 onwards)

**HOURS/WEEK: 6**

**CREDIT:4**

**COURSE DESCRIPTION**

Study on agriculture marketing, industrialization, monetary issues & recent government policies in India

**COURSE OBJECTIVE/S**

1. To impart knowledge on core sectors of Indian Economy.
2. To equip the students to understand the current economic issues of India.
3. To help the students to face the TNPSC and UPSC exams
4. To acquaint the students with the significance of various sectors in Indian economy

**COURSE OUTCOMES (CO)**

No.	Course Outcome	Knowledge Level
CO 1	To impart knowledge on core sectors of Indian Economy.	K1
CO 2	To equip the students to understand the current economic issues of India.	K1
CO 3	To help the students to prepare for competitive examinations and face the TNPSC and UPSC exams where Indian Economy is a part of syllabus.	K2
CO 4	To impart knowledge on core sectors of Indian Economy.	K3

**UNIT:1 DEVELOPMENTAL ISSUES: POVERTY, UNEMPLOYMENT AND HUMAN DEVELOPMENT**

**[15 HRS]**

Estimates of inequality and poverty measures for India - government measures India's human development record in global prospective - India's population policy and development -urbanization and migration - different types of **migration**

**(Self Study)** and their impact-urban development strategies-indices of development PQLI ,HDI ,Hunger Index, Education Index, Ecological foot print Index and Green Index

**UNIT: II AGRICULTURE AND RURAL DEVELOPMENT STRATEGIES****[15****HRS]**

Technologies and institution-land relation and **land reforms** -rural credit - modern form inputs and **marketing**-price policy and subsidies-commercialization and diversification

**Rural development program (Self study)** -Economic and **Social infrastructure**- New rural employment guarantee scheme

**UNIT: III INDUSTRY****[15 HRS]**

Strategy of industrial development-**Industrial policy** reforms-policy relating to small scale industries - source of industrial finance- Bank, **Share market, (Self Study)** Insurance companies-Pension funds-Non banking source-Foreign Direct Investment-port folio investment, public sector reforms, Privatization and Disinvestment, MSME, **Industrial policy resolution of 1948,1956,1991.**

**UNIT: IV BUDGETING AND FISCAL POLICY****[15 HRS]**

Tax-Expenditure-Budgetary deficits-pension and fiscal reforms-fiscal responsibility and budget management act-black money and parallel economy in india-**demonetization and cashless economy (Self study)**

**UNIT:V RECENT POLICIES OF GOVERNMENT OF INDIA.****[15 HRS]**

**Swatch Bharath-Jandhan Yojana-Saansad Adarsh Gram Yojana-Atal Pension Yojana-Awas Yojana-Jeevan Jhothi Bheema Yojana-Swraksha Bheema Yojana-Krishi Sinchi Yojana-Mudra Bank Yojana-Garib Kalyan Yojana-Suganya Samridhi Yojana (Self study)** -Digi Locker scheme and Ebasta scheme.

**UNIT-VI** Dynamism-current affairs -case study on government scheme-recent issues and statistical data

**COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

Module No.	Topic	No. of Lectures	Content Delivery Method	Teaching Aids
<b>UNIT – 1 DEVELOPMENTAL ISSUES: poverty, unemployment and human development.</b>				
1.1	Estimates of inequality and poverty measures for India	3	Group discussion,	Google class, power

			case study, seminar,	point, you tube video links and study materials AND CDs.
1.2	Government measures India's human development record in global prospective	2	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
1.3	India's population policy and development	3	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
1.4	urbanization and migration	2	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
1.5	different types of migration and their impact	2	Lecture Group discussion, case study, seminar,	PPT & White board Google class, power point, you



				tube video links and study materials AND CDs.
1.6	urban development strategies	1	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
1.7	Indices of development PQLI ,HDI ,Hunger Index, Education Index, Ecological foot print Index and Green Index	2	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
<b>UNIT –II AGRICULTURE AND RURAL DEVELOPMENT STRATEGIES</b>				
2.1	Technologies and institution	3	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
2.2	land relation and land reforms	2	Group discussion, case study, seminar,	Google class, power point, you tube video links and

				study materials AND CDs.
2.3	rural credit	2	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
2.4	modern form inputs and marketing-price policy and subsidies	3	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
2.5	commercialization and diversification	1	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
2.6	Rural development program-Economic and Social infrastructure	2	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.

2.7	New rural employment guarantee scheme	2	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
<b>UNIT -III INDUSTRY</b>				
3.1	Strategy of industrial development-industrial policy reforms	3	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
3:1	policy relating to small scale industries-source of industrial finance	3	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
3.3	Bank, Share market, Insurance companies-Pension funds-Non banking source	3	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
3.4	Foreign Direct Investment-port folio investment,	2	Group discussion,	Google class, power

			case study, seminar,	point, you tube video links and study materials AND CDs.
3.5	public sector reforms, Privatisation and Disinvestment,MSME	2	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
3.6	Industrial policy resolution of 1948,1956,1991	2	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
<b>UNIT : IV BUDGETING AND FISCAL POLICY</b>				
4.1	Tax-Expenditure	3	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
4..2	Budgetary deficits-pension and fiscal reforms	2	Group discussion, case study, seminar,	Google class, power point, you tube video

				links and study materials AND CDs.
4..3	fiscal responsibility and budget management act-black money	4	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
4..4	parallel economy in India-demonetization	3	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
4..5	cashless economy	3	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
<b>UNIT V RECENT POLICIES OF GOVERNMENT OF INDIA.</b>				
5.1	Swatch Bharath-Jandhan Yojana-Saansad Adarsh Gram Yojana	3	Group discussion, case study, seminar,	Google class, power point, you tube video links and study

				materials AND CDs.
5.2	Atal Pension Yojana-Awas Yojana	3	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
5.3	Jeevan Jhothi Bheema Yojana- Swraksha Bheema Yojana	4	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
5.4	Krishi Sinchi Yojana-Mudra Bank Yojana	3	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
5.5	Garib Kalyan Yojana-Suganya Samridhi Yojana -Digi Locker scheme and Ebasta scheme.	2	Group discussion, case study, seminar,	Google class, power point, you tube video links and study materials AND CDs.
<b>UNIT VI - DYNAMISM/CURRENTAFFAIR</b>				
6.1	Case study on Government Schemes			
6.2	Case study on recent issues			

**TEXT BOOKS:**

Mishra & Puri, (2016) *Indian Economy*, Himalaya Publishing House, Mumbai.

**REFERENCE BOOKS:**

1. Mishra & Puri, (2016). *Indian Economy*, Himalaya Publishing House, Mumbai, 2016
2. Gaurav Datt and Ashwani Mahajan, Datt & Sundharam's, (2015). *Indian Economy*, S. Chand & Company, New Delhi.
3. Agrawal, A.N. Agarwal, M.K. (2015). *Indian Economy : Problems of Development and Planning*, New Age International (P) Ltd., Publishers, New Delhi.

**Course Teacher : Dr. G.Uma**  
**Department**

**Forwarded By the Head of the**

**M.A Economics  
I SEMESTER  
MAJOR CORE  
MONEY AND BANKING 19PG1E4**

**HRS/WEEK: 6**

**CREDITS: 4**

**COURSE DESCRIPTION**

Money, Monetary Policies, Monetary Institutions

**COURSE OBJECTIVE/S**

To make the students to understand the Indian Monetary System. The topics dealt under this subject will enable the students to know about Money, Theories of Money and money market.

**COURSE OUTCOMES (CO)**

No.	Course Outcome	Knowledge Level
<b>CO 1</b>	Equip the students with the essential aspects of money, money market etc	K1
<b>CO 2</b>	Helps the students to for the competitive NET SET exam.	K3
<b>CO 3</b>	Create awareness on modern technology in banking system	K1
<b>CO 4</b>	Incorporates the syllabus of IES	K3

**UNIT: I Demand and Supply of Money:**

Definition – Functions of Money – Classification - Gold Standard -Managed Paper currency system. Supply of Money: Velocity of Money – Transaction Velocity and Income Velocity – Determinants of Money supply – Demand for Money: Keynes' Three motives – **Theories of Money (Self study)** - Cash Transaction and Cash Balances.

**UNIT: II Theories of money**

Keynesian theory of Money and price Introduction-keynes reformulated quantity theory of money. Superiority of Keynesian theory over the traditional quantity theory of money. **Friedman's restatement quantity theory of money. (Self study)**

**UNIT: III Money market and Commercial Banks**

Money market: Meaning – Characteristics – Functions – Institutions of Indian Money market – Instruments -**Commercial Banks: (Self study)** Importance – **Functions of commercial banks** – Credit Creation- Instruments of Credit – Nationalisation of Commercial Banks.

**UNIT: IV Monetary policy and Central Banks:**

Monetary policy: Meaning and Objectives – Role and effectiveness of Monetary Policy in a developing economy- Central Bank: **Functions of Central Bank** – Credit control: Qualitative and Quantitative - Departments of **Reserve Bank of India. (Self study)**

**UNIT: V Electronic Money and Banking:**

**Electronic Banking:** internet banking - telephonic banking -mobile banking - door to door banking – merchant banking. Electronic Money and Payment Schemes: Digital cash ATM – **Credit cards – Debit cards (Self study)**, Internet Cheque, Smart



Cards, Financial EDI, E-Wallets, micro transactions, payment clearing service providers. Internet Monetary payment and security requirements.

### **COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

<b>Module No.</b>	<b>Topic</b>	<b>No. of Lectures</b>	<b>Content Delivery Method</b>	<b>Teaching Aids</b>
<b>UNIT -1 INTRODUCTION</b>				
1.1	Definition – Functions of Money – Classification - Gold Standard - Managed Paper currency system.	4	Lecture	Google meet, PPT,
1.1:1	Supply of Money: Velocity of Money – Transaction Velocity and Income Velocity	4	Lecture	Google meet, PPT, Study Material
1.2	Determinants of Money supply – Demand for Money: Keynes' Three motives.	3	Blended teaching with practice	Google meet, Video, ppt
1.4	Theories of Money - Cash Transaction and Cash Balances .	4	Blended teaching	Google meet, Video, ppt
<b>UNIT -II THEORIES OF MONEY</b>				
2.1	Keynesian theory of Money and price -	5	Flipped Learning	Google meet, PPT, Study Material
2.2	keynes reformulated the quantity theory of money.	3	Blended teaching with practice	Google meet, PPT, Study Material
2.3	Superiority of Keynesian theory over the traditional quantity theory of money.	4	Blended teaching with practice	Google meet, PPT, Study Material
2.4	Friedman's restatement quantity theory of money	3	Blended teaching with practice	Google meet, PPT, Study Material
<b>UNIT: III Money market and Commercial Banks</b>				
3.1	Money market: Meaning – Characteristics – Functions	5	Blended teaching with practice	Google meet, PPT, Study Material
3.2	Institutions of Indian Money market – Instruments	3	Blended teaching with practice	Google meet, Keynote, Study Material
3.3	<b>Commercial Banks:</b> Importance- Functions of commercial banks	4	Blended teaching	Google meet,

			with practice	Keynote, Study Material
3.4	Credit Creation- Instruments of Credit	3	Blended teaching with practice	Google meet, Keynote, Study Material
3:5	Nationalisation of Commercial Banks	3	Blended teaching with practice	Google meet, Keynote, Study Material
<b>UNIT: IV Monetary policy and Central Banks:</b>				
4.1	Monetary policy: Meaning and Objectives	5	Blended teaching with practice	Google meet, PPT, Study Material
4.2	Role and effectiveness of Monetary Policy in a developing economy	3	Blended teaching with practice	Google meet, PPT, Study Material
4.3	Central Bank: Functions of Central Bank	4	Blended teaching with practice	Google meet, PPT, Study Material
4.4	Credit control: Qualitative and Quantitative	3	Blended teaching with practice	Google meet, Keynote, Study Material
4:5	Departments of <b>Reserve Bank of India</b>	3	Blended teaching with practice	Google meet, Keynote, Study Material
<b>UNIT: V ELECTRONIC MONEY AND BANKING:</b>				
5.1	Electronic Banking: internet banking - telephonic banking - mobile banking-door to door banking - merchant banking	5	Blended teaching with practice	Google classroom, Study Material
5.2	Electronic Money and Payment Schemes	3	Blended teaching with practice	Google meet, PPT, Study Material
5.3	Digital cash ATM - <b>Credit cards</b> - <b>Debit cards</b> -Internet Cheque, Smart Cards, Financial EDI, E-Wallets, micro transactions, payment clearing service providers.	4	Blended teaching with practice	Google classroom, Keynote, Study Material
5.4	Internet Monetary payment and security requirements.	3	Blended teaching	Google meet,

			with practice	Keynote, Study Material
<b>UNIT VI DYNAMISM</b>				
	Case study of banking services- case study of online transactions- Online kiosks	2	online practical reports	

**Reference Books,:**

1. Jhingan, M.L.(2001). *International Trade and Public Finance*, Sixth Revised Edition..
- 2.Mithani. D.M.(1993) *Money Banking and Foreign Trade*, Seventh Edition.
- 3.Sundaram K.P.M. (1990) *Money Banking and International Trade*, Thirtieth Edition.
- 4.Surej & Gupta , B.(1984). *Money Banking Theory and Practice*, Second Reprint.
- 5.Vaish V.C.(1995). *Monetary Theory*", Fourteenth Edition.

**Course Teacher: Dr. Shobana Nelasco  
Department**

**Forwarded By the Head of the**

**I SEMESTER**  
**M.A ECONOMICS**  
**EDC**  
**BUSINESS SKILLS FOR WOMEN- 19PG1EEDC**  
(For those who joined in 2019 onwards)

**HOURS/WEEK: 3**

**CREDIT:3**

**COURSE DESCRIPTION**

Study the entrepreneur qualities, project report, online trading, recent entrepreneur development Schemes

**COURSE OBJECTIVE/S**

1. To promote girl students to promote business .
2. To motivate the students to avail the self- employment benefits of government.
- 3.To equip them to face IES, IAS exams and NET exam

**COURSE OUTCOMES (CO)**

No.	Course Outcome	Knowledge Level
<b>CO 1</b>	To explain the functions of Entrepreneur.	<b>K2</b>
<b>CO 2</b>	To identify the basic qualities of an Entrepreneur.	<b>K2</b>
<b>CO 3</b>	To enable the students to understand the Project report.	<b>K3</b>
<b>CO 4</b>	To evaluate the .merits and demerits of online trading.	<b>K3</b>
<b>CO 5</b>	To assess the policy implementation by government for Entrepreneurial development.	<b>K2</b>
<b>CO 6</b>	To equip the students to use Break even Analysis and SWOT Analysis	<b>K2</b>
<b>CO 7</b>	Understand the various financial institution which support EDP	<b>K1</b>

**UNIT: I INTRODUCTION**

**[5 HRS]**

Entrepreneur - Types, functions - women entrepreneurship: The micro finance and self help groups - Social Entrepreneurship in Non-Profit Organization –On line registration for entrepreneurs - **Project Proposals (Self study)** to Funding agencies, Performa

**UNIT: II ECONOMIC ANALYSIS FOR AN ENTREPRENEUR**

**[5 HRS]**

Budgeting, Break-Even, **SWOT and Profitability Analysis (Self study)** – Income Tax payment – GST Calculation – blog creation – web creation – online marketing

### **UNIT:III GOVERNMENT INSTITUTIONS AND SCHEMES SUPPORTING ENTREPRENEURS [5 HRS]**

**MSME** – Government skill development centers **DIC- CED DIC-SIDO-NSIC- TCO-SIPCOT-NAYE- Commercial banks-SBI and other institutes-- Governmental schemes promoting entrepreneurs (Self study)** - Financial Institutions and Government incentives

### **UNIT:VI SCOPE FOR BUSINESS OPPORTUNITIES- BRIEF INTRODUCTIONS [5 HRS]**

Agriculture: **Horticulture**, Floriculture, Kitchen garden and sales, Sale of seeds and agricultural products, **Mushroom Cultivation**, **Vermi-Culture**, **Api-Culture** etc - Industry Handicrafts - Service industry: Tour organisation, Tuition centers, **Tailoring** – **Beauty Parlours**- Home delivery of food etc **Female focused entrepreneurship (Self study)**

### **UNIT: V ON LINE BUSINESS- BRIEF INTRODUCTIONS [5 HRS]**

Online Buying and selling: Case **studies on Amazon, OLX – Facebook (Self study)** – scope for business in Online share trading – scope for business in Online commodity trading- scope for business in online exports

### **UNIT VI - DYNAMISM/CURRENTAFFAIR**

Project proposal for any product or service – Case study of any one Institutional loan schemes(Bank or non banking)- On the Spot Learning Component: Visit to SHG to study their income generation activities and writing report - Case study any one women entrepreneur - On-the spot learning: Visit to industrial estate to meet entrepreneur. Internship to MADESIA

### **COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

<b>Module No.</b>	<b>Topic</b>	<b>No. of Lectures</b>	<b>Content Delivery Method</b>	<b>Teaching Aids</b>
<b>UNIT -1 INTRODUCTION</b>				
1.1	Types and Functions of Entrepreneur	4	Lecture	Google meet, PPT,
1.1:1	Micro Finance and Self Help Group	4	Lecture	Google meet, PPT, Study Material
1.2	Profit Organisation	3	Blended teaching with	Google meet, Video, ppt

			practice	
1.4	Online Registration for entrepreneur	4	Blended teaching	Google meet, Video, ppt
<b>UNIT -2 ECONOMIC ANALYSIS FOR ENTREPRENEUR</b>				
2.1	Break Even Analysis	5	Flipped Learning	Google meet, PPT, Study Material
2.2	SWOT Analysis	3	Blended teaching with practice	Google meet, PPT, Study Material
2.3	Blog Creation , Web Creation	4	Blended teaching with practice	Google meet, PPT, Study Material
<b>UNIT – 3 GOVERNMENT SCHEMES</b>				
3.1	Money market: Meaning – Characteristics – Functions	5	Blended teaching with practice	Google meet, PPT, Study Material
3.2	Institutions of Indian Money market – Instruments	3	Blended teaching with practice	Google meet, Keynote, Study Material
3.3	<b>Commercial Banks:</b> Importance- Functions of commercial banks	4	Blended teaching with practice	Google meet, Keynote, Study Material
3.4	Credit Creation- Instruments of Credit	3	Blended teaching with practice	Google meet, Keynote, Study Material
3:5	Nationalisation of Commercial Banks	3	Blended teaching with practice	Google meet, Keynote, Study Material
<b>UNIT:VI BUSINESS OPPORTUNITIES- BRIEF INTRODUCTIONS</b>				
4.1	Monetary policy: Meaning and Objectives	5	Blended teaching with practice	Google meet, PPT, Study Material
4.2	Role and effectiveness of Monetary Policy in a developing economy	3	Blended teaching with practice	Google meet, PPT, Study Material
4.3	Central Bank: Functions of Central Bank	4	Blended teaching with practice	Google meet, PPT, Study Material
4.4	Credit control: Qualitative and Quantitative	3	Blended teaching	Google meet, Keynote, Study

			with practice	Material
4:5	Departments of <b>Reserve Bank of India</b>	3	Blended teaching with practice	Google meet, Keynote, Study Material
<b>UNIT: V ON LINE BUSINESS- BRIEF INTRODUCTIONS</b>				
5.1	Online Buying and selling: Case studies on Amazon	5	Blended teaching with practice	Google classroom, Study Material
5.2	OLX – Face book	3	Blended teaching with practice	Google meet, PPT, Study Material
5.3	scope for business in Online share trading	4	Blended teaching with practice	Google classroom, Keynote, Study Material
5.4	scope for business in Online commodity trading	3	Blended teaching with practice	Google meet, Keynote, Study Material
5.5	scope for business in online exports	3	Blended teaching with practice	Google classroom, Keynote, Study Material

#### REFERENCE BOOKS:

1. K.K. Sharma, G.R. Basotia, "Entrepreneurship & Small Business", Mangal Deep Publications, Jaipur, 1<sup>st</sup> Edition, 2001.
2. M. Soundarapandian, "Rural Entrepreneurship – Growth and Potential", Kanishka Publishers, New Delhi, 1<sup>st</sup> Edition, 2001.
3. S.S. Khanaka, "Entrepreneurial Development", S. Chand & Company Limited, 1999.
4. V. Sujatha, "Entrepreneurial Development", Krishna Printers, 1<sup>st</sup> Edition, 2004.
5. C.B. Gupta & S.S. Khanka, "Entrepreneurship and Small Business Management", Sultan Chand.
6. Robert D. Hisrich "Entrepreneurship", Tata Mc Graw Hill Company Ltd, 2007
7. Hirsch peters "Entrepreneurship " Tata McGraw Hill Company Ltd, New York 2000

#### WEBSITES

8. [https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state\\_startup\\_policies/Tamil\\_Nadu\\_Startup\\_Policy.pdf](https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state_startup_policies/Tamil_Nadu_Startup_Policy.pdf)
9. <https://www.msde.gov.in/pmkvy.html>
10. <https://www.startupindia.gov.in/>
11. [https://www.startupindia.gov.in/content/sih/en/idea\\_bank.html](https://www.startupindia.gov.in/content/sih/en/idea_bank.html)
12. <https://www.msde.gov.in/pmkvy.html>
13. <https://www.tnskill.tn.gov.in/>
14. <https://nsdcindia.org/>
15. <https://sipcot.in/>
16. <https://www.startupindia.gov.in/content/sih/en/startup-scheme/state-startup-policies/Tamil-Nadu-state-policy.html>
17. <https://www.editn.in/>

18. [https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state\\_startup\\_policies/Tamil\\_Nadu\\_Startup\\_Policy.pdf](https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state_startup_policies/Tamil_Nadu_Startup_Policy.pdf)
19. <https://www.kviconline.gov.in/pmegpeportal/pmegphome/index.jsp>
20. <https://www.udyami.org.in/>
21. <https://www.udyami.org.in/entrepreneur-development>
22. <http://maditssia.com/index.php/madmin/bicactivities>
23. <http://www.sidco.tn.nic.in/>
24. [https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state\\_startup\\_policies/Tamil\\_Nadu\\_Startup\\_Policy.pdf](https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state_startup_policies/Tamil_Nadu_Startup_Policy.pdf)
25. Import, Export: <https://www.entrepreneur.com/article/41846>
26. <https://msme.gov.in/>
27. <http://www.msmeonline.tn.gov.in/>
28. [http://www.msmeonline.tn.gov.in/msme\\_partI/msmefiling.php](http://www.msmeonline.tn.gov.in/msme_partI/msmefiling.php)
29. <http://www.sidco.tn.nic.in/>
30. [https://www.tn.gov.in/scheme/departement\\_wise/2](https://www.tn.gov.in/scheme/departement_wise/2)
31. <http://tnchamber.in/key-initiatives/>

**Course Teacher: Dr. Shobana Nelasco**  
**Department**

**Forwarded By the Head of the**



**II SEMESTER**  
**MAJOR**  
**MACRO ECONOMIC ANALYSIS- 19PG2E5**  
(For those who joined in 2019 onwards)

**HOURS/WEEK: 6**

**CREDIT:4**

**COURSE DESCRIPTION**

Study National income and related concepts, consumption and investment function, IS & LM function, business cycle, Macroeconomic policies implemented to stabilise the economy.

**COURSE OBJECTIVES**

1. Impart theoretical skills in students at macro level.
2. Enable the students to know the modern existing application oriented theories.
3. Equip them to face IES, IAS exams and NET exam

**COURSE OUTCOMES (CO)**

No.	Course Outcome	Knowledge Level
CO 1	Evaluate the modern existing application oriented theories	K1
CO 2	Derive a plan to compete and win the competitive examinations like IAS,IES,and NET	K2
CO 3	Identify the impact of fluctuations in macroeconomic concepts on economic growth.	K2
CO 4	Assess the policies implemented by government to set right the economic problems faced by the nation.	K3
CO 5	Identify the changes in the economic scenario and evaluate the current economic growth.	K3
CO6	Compare and contrast the growth at the national and international level.	K1

**UNIT-I NATIONAL INCOME**

**[15 HRS]**

Concept: Micro- Macro relations-stock and flow relationships – **national income** and social accounting.NNP, GNP at current prices, market prices-factor prices.  
**Trends in the growth of GDP (Self study)**

**UNIT-II CONSUMPTION AND INVESTMENT FUNCTION****[15 HRS]**

Consumption Function: The short run consumption function – the relative income hypothesis – the permanent income hypothesis and the absolute income hypothesis- the long run consumption function. **Autonomous induced investment**, MEC and rate of interest. **Trends in Autonomous Investment (Self study)**

**UNIT-III IS & LM FUNCTION****[15 HRS]**

IS & LM Function: General equilibrium of product and money markets- shifts in IS & LM elasticities- classical range –intermediate range and Keynesian range- IS&LM model with Foreign trade sector. **Foreign trade trends- (Self study)**

**UNIT-IV BUSINESS CYCLE****[15 HRS]**

Theories of Schumpeter, Kaldor, Samuelson and Hicks, Goodwin's model; Control of **business cycles** — relative efficacy of monetary and fiscal policies. **Tariff Policy- (Self study)**

**UNIT- V MACRO ECONOMIC POLICY****[15 HRS]**

Macro Economic Policy: Objectives of Macroeconomic policy –Phillip's curve and unemployment- stagflation- Keynesianism versus monetarism- supply side economics. Current macroeconomic scenario: national and international. **Unemployment trends in India- (Self study)**

**UNIT -VI DYNAMISM**

Analysis and interpretation of the status of the economy -Data collection of macro variables (GDP, National Income, Export etc) - Analysis of the psychological law of consumption with change in income and demand - Concept analysis like unemployment, savings, investment etc with relevant country or inter-country data .

**COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

Module No.	Topic	No. of Lectures	Content Delivery Method	Teaching Aids
<b>UNIT -1 INTRODUCTION</b>				
1.1	Micro- Macro relations	2	PPT and Lecture	Google meet, Study Material
1.2	stock and flow relationships	2	PPT and Lecture	Google meet, Study

				Material
1.3	national income and social accounting.	3	PPT and Lecture	Google meet, Study Material
1.4	NNP, at current prices, market prices	3	PPT and Lecture	Google meet, Study Material
1.5	GNP at current prices, market prices	3	PPT and Lecture	Google meet, Study Material
1.6	factor prices.	2	PPT and Lecture	Google meet, Study Material
UNIT-II CONSUMPTION AND INVESTMENT FUNCTION				
2.1	The short run consumption function	2	PPT and Lecture	Google meet, Study Material
2.2	relative income hypothesis	2	PPT and Lecture	Google meet, Study Material
2.3	permanent income hypothesis	1	PPT and Lecture	Google meet, Study Material
2.4	absolute income hypothesis	2	PPT and Lecture	Google meet, Study Material
2.5	long run consumption function	2	PPT and	Google

			Lecture	meet, Study Material
2.6	Autonomous induced investment	3	PPT and Lecture	Google meet, Study Material
2.7	MEC and rate of interest	3	PPT and Lecture	Google meet, Study Material
<b>UNIT-III IS &amp; LM FUNCTION</b>				
3.1	Equilibrium of product Market	2	PPT and Lecture	Google meet, Study Material
3.2	Equilibrium of money markets	3	PPT and Lecture	Google meet, Study Material
3.3	General equilibrium of product & money markets	3	PPT and Lecture	Google meet, Study Material
3.4	shifts in IS & LM elasticities	2	PPT and Lecture	Google meet, Study Material
3.5	classical range –intermediate range and Keynesian range-	3	PPT and Lecture	Google meet, Study Material
3.6	IS&LM model with Foreign trade sector.	2	PPT and Lecture	Google meet, Study

				Material	
<b>UNIT-IV BUSINESS CYCLE</b>					
4.1	Theories of Schumpeter, —	2	PPT and Lecture	Google meet, Study Material	
4.2	Kaldor's Theory of business cycle.	2	PPT and Lecture	Google meet, Study Material	
4.3	Samuelson and Hicks,	2	PPT and Lecture	Google meet, Study Material	
4.4	Goodwin's model;	3	PPT and Lecture	Google meet, Study Material	
4.5	Control of business cycles	3	PPT and Lecture	Google meet, Study Material	
4.6	Relative efficacy of monetary policy.	2	PPT and Lecture	Google meet, Study Material	
4.7	Relative efficacy of fiscal policy.	1	PPT and Lecture	Google meet, Study Material	
<b>UNIT- V MACRO ECONOMIC POLICY</b>					
5.1	Objectives of Macroeconomic policy	2	PPT and Lecture	Google meet, Study	

				Material
5.2	Phillip's curve and unemployment	2	PPT and Lecture	Google meet, Study Material
5.3	stagflation-	2	PPT and Lecture	Google meet, Study Material
5.4	Keynesianism versus monetarism	3	PPT and Lecture	Google meet, Study Material
5.5	supply side economics	3	PPT and Lecture	Google meet, Study Material
5.6	Current macroeconomic scenario: national	2	PPT and Lecture	Google meet, Study Material
57	Current macroeconomic scenario: International	1	PPT and Lecture	Google meet, Study Material
<b>UNIT -6 : DYNAMISM</b>				
6.1	Analysis and interpretation of the status of the economy.			Students report submission through PPT
6.2	Data collection of macro variables (GDP, National Income, Export etc)			Students report submission

6.3	Analysis of the psychological law of consumption with change in income and demand			Students report submission
6.4	Savings Analysis with relevant country or inter-country data.			Students report submission
6.5	Unemployment analysis with relevant country or inter-country data.			Students report submission through PPT
6.6	Investment analysis with relevant country or inter-country data.			Students report submission through PPT

#### **TEXT BOOK:**

Jhingan,M.L.(1983). *Macro Economics*, Konark Publishers Private Limited,Delhi  
1<sup>st</sup> Edition.

#### **REFERENCE BOOKS:**

1. Demburg,(1989). *Macro Economics*, McGraw-Hill Book Company.
2. Edward Shapiro,(1989). *Macro Economics*, Suneel Galgotia Publications Private Limited, New Delhi.
3. Dr. Gupta, R.D. *Keynes and Post Keynesian Economics*, Kalayani Publishers, New Delhi.
- 4 Ahuja,H.L(2013). *Macroeconomics Theory and Policy*, S.Chand Publishers.
5. Allen .R.G.D (1971). *Macroeconomic Theory* , Mathematical Treatment.
- 6 Harvey, (1971) *Macro Economics*, London Macmaillan Company Limited.
7. Dernburg .Thoman,.F (1968) *Macroecnomics- The Measurement Analysis And Control*, Dun Lanm Mcdougall -3<sup>rd</sup> new york : mc grow –hill book company.
8. Gordon, R.A. [1961], *Business Fluctuations*, Harper and Row.
9. Gordon, R.A. and L.R. Klein [ Eds.] *Readings in Business Cycles*, Irwin Homewood.
10. Hicks, J.R. [1950], *A Contribution to the Theory of Trade Cycles*, Clarendon Press,Oxford.

11. Lucas, R. [1981], Studies in Business Cycle Theory, M.I.T. PressCambridge, Masscechusetts.
12. Rakesh Bijlani[2011]Business Cycles Theory and Practice,Adhyayan Publishers and distributors,New Delhi.
13. Navaro Peter [2006]Managing the Business Cycle,Pearson Publishers,New Delhi.

**Course Designer: (Dr. S.Ivy Jeno)**  
**of the Department**

**Forwarded By the Head**



**II SEMESTER**  
**MAJOR CORE**  
**MATHEMATICS FOR ECONOMIST – 19PG2E6**  
 (For those who joined in 2019 onwards)

**HOURS/WEEK: 6**

**CREDIT: 4**

**COURSE DESCRIPTION**

Mathematical tools are necessary for the application of economic theories.

**COURSE OBJECTIVE/S**

1. To equip the students with application oriented theories like input -output Model, Linear Programming and Game Theory.
2. To equip students in acquiring analytical skills.
3. To equip them to face IES, IAS exams and NET exam
4. To equip the students with application oriented theories like input - output Model, Partial and Total Derivations, Linear Programming and Game Theory.
5. To equip students in acquiring analytical Skills.
6. To give training for students for IES and NET exam

**COURSE OUTCOMES (CO)**

No.	Course Outcome	Knowledge Level
<b>CO 1</b>	Inculcating the Knowledge of Mathematical Application in Economics	K1
<b>CO 2</b>	Enable them to identify the significance of Mathematics in studying economics	K3
<b>CO 3</b>	Equipped them to adopt problem solving skills	K2
<b>CO 4</b>	Ensuring competency in clearing SET & NET Exams	K3
<b>CO 5</b>	Inculcating the Knowledge of Mathematical Application in Economics	K3

**UNIT I: DIFFERENTIATION**

**[15HRS]**

Applications of Derivatives: The Sign and magnitude of Derivative – Average and Marginal Values –Application of the second derivative – **Finding maximum and minimum values (Self study)** – General problems of average and marginal values – point of inflexion – Market equilibrium-Perfect Competition monopoly and Duopoly in economic theory –Economic applications of Derivatives.

**UNIT II: PARTIAL DIFFERENTIATION****[15HRS]**

Partial Derivatives and its applications: First and second order partial derivative – Economic applications of partial differentiation on elasticity demand, Homogenous functions- Euler's theorem- Cobb-Douglas production function-CES production function. Maxima and Minima for two variables. **Profit maximization for discriminating monopoly (Self study)** – Properties of Cobb- Douglas production function and CES production function.

**UNIT III: INTEGRATION****[15HRS]**

Integral Calculus – rules of integration indefinite and definite integrals - substitution methods of integration - applications- integration as total function of economics marginal functions – **consumer and producer surplus. (Self study)**

**UNIT IV: GAME THEORY****[15HRS]**

**Game Theory**– Classification and Description of Games – Payoffs Matrix – Saddle Point Solution – Mixed Strategy – **Dominated Strategies (Self study)** – Graphical Method – Applications – Static & Dynamic Game with and without complete information – Prisoner's Dilemma Game Theory in action.

**UNIT V: LINEAR PROGRAMMING & INPUT OUTPUT ANALYSIS****[15HRS]**

Introduction to Linear Programming Problem- Formulation of LPP Problem – Solution of LPP using graphical and simplex method. **Solving LPP involving surplus variables (Self study)** – Duality in LPP – Shadow prices. Input output analysis and technical coefficient.

**UNIT VI- DYNAMISM & CURRENT AFFAIRS**

Working out answers for TNPSC, UPSC, BANKS Exam question papers. Working out problems in Differentiation, Partial Differentiation, Iteration, Game Theory and Linear Programming

**COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

Module No.	Topic	No. of Lectures	Content Delivery Method	Teaching Aids
<b>UNIT -I DIFFERENTIATION</b>				
1.1	Topic 1 Applications of Derivatives	5	Chalk & Talk	Black Board
1.1:1	Subtopics:		Chalk &	

			Talk	
1.3	The Sign and magnitude of Derivative Average and Marginal Values –Application of the second derivative Finding maximum and minimum values .	5	Blended Method	PPT & White board
1.4	General problems of average and marginal values – point of inflexion		Lecture	PPT & White board
1.5	Market equilibrium-Perfect Competition monopoly and Duopoly in economic theory – Economic applications of Derivatives .	5	Blended Method	Black Board
<b>UNIT -II PARTIAL DIFFERENTIATION</b>				
2.1	Partial Derivatives and its applications: First and second order partial derivative – Economic applications of partial differentiation on elasticity demand, Homogenous functions	6	Lecture	Black Board and Charts
2.2	Euler's theorem- Cobb-Douglas production function- CES production function. Maxima and Minima for two variables. Profit maximization for discriminating monopoly –	9	Chalk & Talk	Black Board

	Properties of Cobb- Douglas production function and CES production function.			
<b>UNIT – III INTEGRATION</b>				
3.1	Sub topics Integral Calculus – rules of integration indefinite and definite integrals -	6	Blended Learning	Google meet
3.2	substitution methods of integration - applications- integration as total function of economics marginal functions	4		Google meet
3.3	consumer and producer surplus	5		
<b>UNIT IV - GAME THEORY</b>				
4.1	Game Theory- Classification and Description of Games – Payoffs Matrix – Saddle Point Solution .	5	Blended Learning	Google meet, PPT, Study Material
4.2	Mixed Strategy – Dominated Strategies – Graphical Method – Applications	3	Chalk & Talk	Google meet
4.3	Static & Dynamic Game with and without complete information – Prisoner's Dilemma Game Theory in action	7	Blended Method	Google meet
<b>UNIT – V LINEAR PROGRAMMING</b>				

5.1	Sub topics: Introduction to Linear Programming Problem- Formulation of LPP Problem – Solution of LPP using graphical and simplex method.	9	Blended Method	Google meet, PPT, Study Material
5.3	Solving LPP involving surplus variables – Duality in LPP – Shadow prices.	6	White Board	Google meet, PPT, Study Material

## UNIT VI DYNAMISM & CURRENT AFFAIRS

6.1	Working out answers for TNPSC, UPSC, and BANK Exam question papers.			
6.2	Encouraging them to do logical reasoning and to have analytical thinking			

### TEXT BOOKS:

1. Bose D.(2004). *Mathematical Methods*, Himalaya Publishing House, New Delhi.
2. Mehta .B.C& Madnani, (2005). *Mathematics for Economists*, S.Chand & Sons, New Delhi.

### REFERENCE BOOKS:

1. Allen .R.G.D.(2003). *Mathematical Methods for Economists*, A.I.T.B.S Publishers and Distributors, New Delhi.
2. Alpha .C. Chiang, (1994). *Fundamental Methods of Mathematics*, McGraw Hill International Book Company, Singapore.
3. Bose D. (2004). *Mathematical Methods*, Himalaya Publishing House, New Delhi.
4. Mehta .B.C& Madnani, (2005). *Mathematics for Economists*, S.Chand & Sons, New Delhi.
5. Mukherji, Badal and Pandit V.(1989). *Mathematical Methods for Economics Analysis*, Allied Publishers, Ahmedabad.

6. Gupta J.D.(1987). *Mathematics for Business and Economics*, Tata McGraw Hill, New Delhi.
7. Yamane T.(1968). *Mathematics for Economists*, Prentice Hall, Englewood Cliffs, New Jersey.
8. Carl P. Simon and Lawrence Blume, (2006). *Mathematics for Economics*, W.W. Norton & Company New York – London Edition.
9. Jack Johnston John Dinardo (1997) *Economics Methods*, The McGraw – Hill companies Inc. New York–London Edition.
10. Dorfman, R. Samuelson, P & Solow, R.(1986) *Linear programming & economics analysis* International student edition, McGraw – Hill book company inc, New York – London Kogakasha company ltd Tokyo.
11. Alpha C. Chiang, (1985). “Fundamental Methods of Mathematical Economics” McGraw – hill book company Humburg Edition
12. Monga .G.S.(2001). *Mathematics and Statistics for Economics*, Vikas Publishing House Pvt. Ltd., New Delhi.

**Course Designer: (Dr. C.Sahaya Mary Sophia)**  
**the Department**

**Forwarded By the Head of**

**II SEMESTER**  
**MAJOR**  
**FINANCIAL MARKETS 19PG2E7**  
(For those who joined in 2019 onwards)

**HOURS/WEEK: 6****CREDIT:4****COURSE DESCRIPTION**

Finance is the blood of business .it supports economic development industrial development and encourage Entrepreneurs growth.

**COURSE OBJECTIVE/S**

1. To equip them to face IES, IAS exams and NET exam
2. To equip students to apply their knowledge in stock market security market.
3. To make students aware of financial markets and its functions

A more detailed description of what will happen in the course, including topics to be covered.

**COURSE OUTCOMES (CO)**

No.	Course Outcome	Knowledge Level
CO 1	. To make the students to understand the Financial System	K1/K2/K3
CO 2	. To make aware of Money Market and Indian Stock Exchange.	K1/K2/K3
CO 3	. To equip them to face IES, IAS exams and NET exam	K1/K2/K3
CO 4	To know the latest technology of financial system evaluate the .merits and demerits of online trading	K1/K2/K3
CO 5	To calculate the SENSEX in Financial system.	K1/K2/K3

**UNIT I: INTRODUCTION****[15 Hrs]**

Nature, Role and Structure of Financial System – Classification of Financial Institutions. Financial Markets– Classification – Financial Instruments and Services. Equilibrium in Financial Markets – Role of Financial System in Economic Development. Indian Financial System in the Post 1990'S – **Indian Financial Sector (Self study)**

**UNIT II: BANKING INSTITUTIONS****[15 Hrs]**

[ a] Commercial Banking – Functions – Investment and Portfolio Management– Special Role of Banks – Other Aspects. Banking Innovations and Consortium Approach.

[ b] Regulatory Institution: The RBI – Organization and Management – Functions and its role. **Recent Policy Developments. (Self study)**

**UNIT III: NON-BANKING FINANCIAL INSTITUTIONS [ 15 Hrs]**

Small Savings – Types of Instruments. Insurance Companies – LIC – GIC – UTI and Mutual Fund – Organization – Structure – Types. Investment Pattern and Return on Investment – MMMFS – Miscellaneous NBFIs, **Rural Financial Market (Self study)**

**UNIT IV: TYPES OF MARKETS [ 15 Hrs]**

Call Money Market – Treasury Bills Market – Commercial Bills Market – Commercial Paper and Certificate of Deposits – Discount Market – Financial Guarantees – Capital Market – Bond Market – Mortgage Market – **Stock Market (Self study)** - Equity Market – Gilt Market- Derivative Securities Market.

**UNIT V: STOCK EXCHANGES IN INDIA [15 Hrs]**

NSE – BSE – NIFTY – SENSEX – SEBI – Primary and Secondary Issues of Shares and Debentures – Latest Trends in Indian Financial Institutions and Market – Global Foreign Exchange Market - **Exchange Rates and Currency Convertibility (Self study).**

**UNIT VI - DYNAMISM/CURRENTAFFAIR**

Calculation of SENSEX Exchange rates RBI policy norms

**COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

Module No.	Topic	No. of Lectures	Content Delivery Method	Teaching Aids
Unit -1 INTRODUCTION				
1.1	Nature, Role and Structure of Financial System – Classification of Financial Institutions.	4	Lecture	Google meet, Google class room, PPT
1.1:1	Subtopics: Financial Markets – Classification	4	Lecture	Google meet, Google class room, PPT
1.3	Financial Instruments and Services	3	Lecture	PPT



1.4	Equilibrium in Financial Markets	4	Video Lecture	Online
<b>Unit -2 UNIT II: BANKING INSTITUTIONS</b>				
2.1	Commercial Banking Functions	2	Lecture	Google meet, Google class room, PPT
2.2	Investment and Portfolio Management	3	Google	Online
2.3	Special Role of Banks	2	Flipped Learning	Online/ E-Content/ Google meet, Google class room, PPT
2.4	Banking Innovations and Consortium Approach.	2	Blended Learning	Online/ E-Content/ Text Books /Materials / Field Visit/
	] Regulatory Institution: The RBI	2	Lecture	
	Organization and Management	2	Google	online Google meet, Google class room, PPT
	Functions and its role. Recent Policy Developments.	2	Flipped Learning	Online/ E-Content/ Google meet, Google

				class room, PPT
<b>UNIT III: NON-BANKING FINANCIAL INSTITUTIONS</b>				
3.1	Small Savings	1	Lecture	Google meet, Google class room, PPT
3.2	Types of Instruments	2	Google	online Google meet, Google class room, PPT
3.3	Insurance Companies – LIC	3	Flipped Learning	Online/ E- Content/ Google meet, Google class room, PPT
3.4	GIC – UTI	2	Flipped Learning	Online/ E- Content/ Google meet, Google class room, PPT Google meet, Google class room,
3.5	Mutual Fund – Organization – Structure – Types.	4	Blended Learning	Online/ E- Content/

				Text Books /Materials / Field Visit/
3.6	Investment Pattern and Return on Investment – MMMFS	2	Lecture	Google meet, Google class room, PPT
3.7	Rural Financial Market	1	Lecture	Google meet, Google class room, PPT
<b>UNIT IV: TYPES OF MARKETS</b>				
	Call Money Market	2	Lecture	Google meet, Google class room, PPT
	Treasury Bills Market – Commercial Bills Market	2	Lecture	Google meet, Google class room, PPT
	Commercial Paper and Certificate of Deposits	2	Lecture	Online
	Discount Market	2	Lecture	Online
	Financial Guarantees – Capital Market – Bond Market	3	video lecture	Google meet, Google class room, PPT
	Mortgage Market – Stock Market-	2	video lecture	Google meet, Google

				class room, PPT
	Equity Market Derivative Securities Market.	2	Lecture	Google meet, Google class room, PPT
<b>UNIT V: STOCK EXCHANGES IN INDIA</b>				
	NSE – BSE	3	Lecture	online Google meet, Google class room, PPT
	NIFTY – SENSEX	3	Flipped Learning	Online/ E- Content/ Google meet, Google class room, PPT
	SEBI – Primary and Secondary Issues of Shares and Debentures	3	Flipped Learning	Online/ E- Content/ Google meet, Google class room, PPT
	Latest Trends in Indian Financial Institutions and Market	2	lecture	Google meet, Google class room, PPT
	Global Foreign Exchange Market -	2	Lecture	online Google meet, Google class room, PPT
	Exchange Rates and Currency Convertibility.	2	Lecture	online Google meet,

				Google class room, PPT
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### **Reference Books:**

1. L.M. Bhole, "Financial Institutions and Markets", Tata McGraw-Hill, 2005.
2. G.S. Batra and P.C. Dangural, "Financial Services – New Innovations", Deep and Deep Publications Pvt. Ltd, 2005.
3. S.K. Aggarwal, "Stock Markets and Financial Journalism" Shipra Publication, New Delhi, 1998
4. A.K. Sharma and G.S. Batra, "Indian Stock Market, Regulation, Performance & Policy Perspective", Deep and Deep Publications Pvt. Ltd, 2005.
5. Anthony Saunders, "Financial Markets and Institutions", Tata McGraw-Hill.
6. Peter S. Rose, "Money and Capital Markets – Financial Institutional & Instruments in a Global Market Place", [ International Edition]
7. Day A.C.L., "Outlines of Monetary Economics", Oxford University Press, Amen House, London.
8. Johes, Chris "Financial economics" London, routledge, 2008.
9. Meggison & Gitman "Principles of corporate finance" Australia Thomson 2007.
10. Profor Torry "globalization and finance" Blackwell Publishers London 2005
11. <http://www.yourarticlelibrary.com/india-2/top-4-non-banking-financial-institutions-in-india-financial-management/69251>

**Course Designer: (Mrs. A. Gracy Rani)**  
**the Department**

**Forwarded By the Head of**

## **II SEMESTER**

### **MAJOR CORE**

#### **19PG2E8 - COMPUTER Applications FOR ECONOMICS**

(For those who joined in 2019 onwards)

**HOURS/WEEK: 6**

**CREDIT:4**

**COURSE DESCRIPTION**

A study on usage of softwares like Excel, SPSS, SQL server, EVIEWS& STATA

**COURSE OBJECTIVE/S**

1. To help the students in applying statistics for economic analysis.
2. To help the students to acquire knowledge of statistical softwares to pursue economic researches

**COURSE OUTCOMES (CO)**

NO.	COURSE OUTCOME	KNOWLEDGE LEVEL
CO 1	Enable the Students to become technologically advanced	K1
CO 2	Acquire knowledge to handle research projects	K3
CO 3	Enhance employability skills in industries	K3
CO 4	Facilitate Research Analysis using their computer analytical knowledge	K2
CO 5	Promote placement opportunities in Big Business organizations	K3

**UNIT I: DATA ANALYSIS USING SPSS (15 HRS)**

Computations - **Descriptives** – Graphs and Diagrams- **Correlation**- **Regression**  
- ANOVA - Multiple Regression- **Problems((Self study))**

**UNIT II SINGLE USER DBMS (15 HRS)**

Excel: Simple arithmetic- Tables and Graphs –Formula- Trend line- Equation  
- forecasting **Problems ((Self study))**

**UNIT III MULTI USER DBMS and basics of R [15 HRS]**

**Data base management** using multi user system –an introduction , R Basics

**UNIT IV:DATA ANALYSIS USING EVIEWS [15 HRS]**

Descriptives- Correlation- Regression –Graph **Problems ((Self study))**

**UNIT V: DATA ANALYSIS USING STATA [15 HRS]**

Descriptives- Correlation- Regression –Graph **Problems((Self study))**

**UNIT VI - DYNAMISM**

Presentation of any one software - Presentation of solving problem using any software -Downloading any new software, installing and teaching that software - Usage of video and audio editing softwares and preparing short social videos

**COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

Module No.	Topic	No. of Lectures	Content Delivery Method	Teaching Aids
<b>Unit -1 DATA ANALYSIS USING SPSS</b>				
1.1	Computations and Descriptives	3	TV & Projector	Computers
1.2	Graphs and diagrams	2	TV & Projector	Computers
1.3	Correlation	2	TV & Projector	Computers
1.4	Regression – ANOVA	3	TV & Projector	Computers
1.5	Chi Square	2	TV & Projector	Computers
1.6	Multiple Regression	3	TV & Projector	Google classroom
<b>UNIT II SINGLE USER DBMS</b>				
2.1	Excel: Simple arithmetic	3	TV & Projector	Computers
2.2	Tables and Graphs	3	TV & Projector	Computers
2.3	Formula	3	TV & Projector	Computers
2.4	Trend line and equation	3	TV & Projector	Computers
2.5	Forecasting	3	TV & Projector	Computers
<b>UNIT III MULTI USER DBMS and basics of R</b>				
3.1	Data base management using multi user system – an introduction	4	TV & Projector	Computers
3:2	MYSQL Server	4	TV & Projector	Computers
3.3	R software Basic calculations	3	TV & Projector	Computers
<b>UNIT IV: DATA ANALYSIS USING E VIEWS</b>				
4.1	Descriptives	3	TV & Projector	Computers
4:2	Correlation	4	TV & Projector	Computers
4.3	Regression	4	TV & Projector	Computers
4.4	Graph	4	TV & Projector	Computers
<b>UNIT V: DATA ANALYSIS USING STATA</b>				
5.1	Descriptives		TV & Projector	Computers
5:2	Graph		TV & Projector	Computers
5.3	Correlation		TV & Projector	Computers
5.4	Regression		TV & Projector	Computers
<b>Unit VI: DYNAMISM</b>				
	Presentation of any one software		PPT	LCD

			presentation	
	Presentation of solving problem using any software		PPT presentation	LCD
	Downloading any new software, installing and teaching that software		PPT presentation	LCD
	Usage of video and audio editing softwares and preparing short social videos		PPT presentation	LCD

### **REFERENCE BOOKS:**

1. SPSS Software Manuel
2. Darren George and Paul Mallery – SPSS for Windows, Pearson Education
3. Kothari C.R. and Gaurav Garg Research Methodology-Methods and Techniques , New Age
4. Doing Data Analysis using SPSS , Centage Publishers.
5. Ronmansfield, “Working with MS office”, Tata Mc Graw Hill Publishing Ltd
6. Editorial Panel, “Step by Step Micro Soft Excel 2007”, MBD International Publishing.

**Course Designer: (Dr. Shobana Nelasco )  
the Department**

**Forwarded By the Head of**



**I SEMESTER**  
**M.A ECONOMICS**  
**EDC**  
**BUSINESS SKILLS FOR WOMEN- 19PG2EEDC**  
(For those who joined in 2019 onwards)

**HOURS/WEEK: 3**

**CREDIT:3**

**COURSE DESCRIPTION**

Study the entrepreneur qualities, project report, online trading, recent entrepreneur development Schemes

**COURSE OBJECTIVE/S**

3. To promote girl students to promote business .
4. To motivate the students to avail the self- employment benefits of government.
- 3.To equip them to face IES, IAS exams and NET exam

**COURSE OUTCOMES (CO)**

No.	Course Outcome	Knowledge Level
<b>CO 1</b>	To explain the functions of Entrepreneur.	<b>K2</b>
<b>CO 2</b>	To identify the basic qualities of an Entrepreneur.	<b>K2</b>
<b>CO 3</b>	To enable the students to understand the Project report.	<b>K3</b>
<b>CO 4</b>	To evaluate the .merits and demerits of online trading.	<b>K3</b>
<b>CO 5</b>	To assess the policy implementation by government for Entrepreneurial development.	<b>K2</b>
<b>CO 6</b>	To equip the students to use Break even Analysis and SWOT Analysis	<b>K2</b>
<b>CO 7</b>	Understand the various financial institution which support EDP	<b>K1</b>

**UNIT: I INTRODUCTION**

**[5 HRS]**

Entrepreneur - Types, functions - women entrepreneurship: The micro finance and self help groups - Social Entrepreneurship in Non-Profit Organization –On line registration for entrepreneurs - **Project Proposals (Self study)** to Funding agencies, Performa

**UNIT: II ECONOMIC ANALYSIS FOR AN ENTREPRENEUR**

**[5 HRS]**

Budgeting, Break-Even, **SWOT and Profitability Analysis (Self study)** – Income Tax payment – GST Calculation – blog creation – web creation – online marketing

### **UNIT:III GOVERNMENT INSTITUTIONS AND SCHEMES SUPPORTING ENTREPRENEURS [5 HRS]**

**MSME** – Government skill development centers **DIC- CED DIC-SIDO-NSIC- TCO-SIPCOT-NAYE- Commercial banks-SBI and other institutes-- Governmental schemes promoting entrepreneurs (Self study)** – Financial Institutions and Government incentives

### **UNIT:VI SCOPE FOR BUSINESS OPPORTUNITIES- BRIEF INTRODUCTIONS [5 HRS]**

Agriculture: **Horticulture**, Floriculture, Kitchen garden and sales, Sale of seeds and agricultural products, **Mushroom Cultivation**, **Vermi-Culture**, **Api-Culture** etc - Industry Handicrafts - Service industry: Tour organisation, Tuition centers, **Tailoring** – **Beauty Parlours**- Home delivery of food etc **Female focused entrepreneurship (Self study)**

### **UNIT: V ON LINE BUSINESS- BRIEF INTRODUCTIONS [5 HRS]**

Online Buying and selling: Case **studies on Amazon, OLX – Facebook (Self study)** – scope for business in Online share trading – scope for business in Online commodity trading- scope for business in online exports

### **UNIT VI - DYNAMISM/CURRENTAFFAIR**

Project proposal for any product or service – Case study of any one Institutional loan schemes(Bank or non banking)- On the Spot Learning Component: Visit to SHG to study their income generation activities and writing report - Case study any one women entrepreneur - On-the spot learning: Visit to industrial estate to meet entrepreneur. Internship to MADESIA

### **COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

Module No.	Topic	No. of Lectures	Content Delivery Method	Teaching Aids
<b>UNIT -1 INTRODUCTION</b>				
1.1	Types and Functions of Entrepreneur	4	Lecture	Google meet, PPT,
1.1:1	Micro Finance and Self Help Group	4	Lecture	Google meet, PPT, Study Material
1.2	Profit Organisation	3	Blended teaching with	Google meet, Video, ppt

			practice	
1.4	Online Registration for entrepreneur	4	Blended teaching	Google meet, Video, ppt
<b>UNIT -2 ECONOMIC ANALYSIS FOR ENTREPRENEUR</b>				
2.1	Break Even Analysis	5	Flipped Learning	Google meet, PPT, Study Material
2.2	SWOT Analysis	3	Blended teaching with practice	Google meet, PPT, Study Material
2.3	Blog Creation , Web Creation	4	Blended teaching with practice	Google meet, PPT, Study Material
<b>UNIT – 3 GOVERNMENT SCHEMES</b>				
3.1	Money market: Meaning – Characteristics – Functions	5	Blended teaching with practice	Google meet, PPT, Study Material
3.2	Institutions of Indian Money market – Instruments	3	Blended teaching with practice	Google meet, Keynote, Study Material
3.3	<b>Commercial Banks:</b> Importance- Functions of commercial banks	4	Blended teaching with practice	Google meet, Keynote, Study Material
3.4	Credit Creation- Instruments of Credit	3	Blended teaching with practice	Google meet, Keynote, Study Material
3:5	Nationalisation of Commercial Banks	3	Blended teaching with practice	Google meet, Keynote, Study Material
<b>UNIT:VI BUSINESS OPPORTUNITIES- BRIEF INTRODUCTIONS</b>				
4.1	Monetary policy: Meaning and Objectives	5	Blended teaching with practice	Google meet, PPT, Study Material
4.2	Role and effectiveness of Monetary Policy in a developing economy	3	Blended teaching with practice	Google meet, PPT, Study Material
4.3	Central Bank: Functions of Central Bank	4	Blended teaching with practice	Google meet, PPT, Study Material
4.4	Credit control: Qualitative and Quantitative	3	Blended teaching	Google meet, Keynote, Study

			with practice	Material
4:5	Departments of <b>Reserve Bank of India</b>	3	Blended teaching with practice	Google meet, Keynote, Study Material
<b>UNIT: V ON LINE BUSINESS- BRIEF INTRODUCTIONS</b>				
5.1	Online Buying and selling: Case studies on Amazon	5	Blended teaching with practice	Google classroom, Study Material
5.2	OLX – Face book	3	Blended teaching with practice	Google meet, PPT, Study Material
5.3	scope for business in Online share trading	4	Blended teaching with practice	Google classroom, Keynote, Study Material
5.4	scope for business in Online commodity trading	3	Blended teaching with practice	Google meet, Keynote, Study Material
5.5	scope for business in online exports	3	Blended teaching with practice	Google classroom, Keynote, Study Material

#### REFERENCE BOOKS:

1. K.K. Sharma, G.R. Basotia, "Entrepreneurship & Small Business", Mangal Deep Publications, Jaipur, 1<sup>st</sup> Edition, 2001.
2. M. Soundarapandian, "Rural Entrepreneurship – Growth and Potential", Kanishka Publishers, New Delhi, 1<sup>st</sup> Edition, 2001.
3. S.S. Khanaka, "Entrepreneurial Development", S. Chand & Company Limited, 1999.
4. V. Sujatha, "Entrepreneurial Development", Krishna Printers, 1<sup>st</sup> Edition, 2004.
5. C.B. Gupta & S.S. Khanka, "Entrepreneurship and Small Business Management", Sultan Chand.
6. Robert D. Hisrich "Entrepreneurship", Tata Mc Graw Hill Company Ltd, 2007
7. Hirsch peters "Entrepreneurship " Tata McGraw Hill Company Ltd, New York 2000

#### WEBSITES

8. [https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state\\_startup\\_policies/Tamil\\_Nadu\\_Startup\\_Policy.pdf](https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state_startup_policies/Tamil_Nadu_Startup_Policy.pdf)
9. <https://www.msde.gov.in/pmkvy.html>
10. <https://www.startupindia.gov.in/>
11. [https://www.startupindia.gov.in/content/sih/en/idea\\_bank.html](https://www.startupindia.gov.in/content/sih/en/idea_bank.html)
12. <https://www.msde.gov.in/pmkvy.html>
13. <https://www.tnskill.tn.gov.in/>
14. <https://nsdcindia.org/>
15. <https://sipcot.in/>
16. <https://www.startupindia.gov.in/content/sih/en/startup-scheme/state-startup-policies/Tamil-Nadu-state-policy.html>
17. <https://www.editn.in/>

18. [https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state\\_startup\\_policies/Tamil\\_Nadu\\_Startup\\_Policy.pdf](https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state_startup_policies/Tamil_Nadu_Startup_Policy.pdf)
19. <https://www.kviconline.gov.in/pmegpeportal/pmegphome/index.jsp>
20. <https://www.udyami.org.in/>
21. <https://www.udyami.org.in/entrepreneur-development>
22. <http://maditssia.com/index.php/madmin/bicactivities>
23. <http://www.sidco.tn.nic.in/>
24. [https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state\\_startup\\_policies/Tamil\\_Nadu\\_Startup\\_Policy.pdf](https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state_startup_policies/Tamil_Nadu_Startup_Policy.pdf)
25. Import, Export: <https://www.entrepreneur.com/article/41846>
26. <https://msme.gov.in/>
27. <http://www.msmeonline.tn.gov.in/>
28. [http://www.msmeonline.tn.gov.in/msme\\_partI/msmefiling.php](http://www.msmeonline.tn.gov.in/msme_partI/msmefiling.php)
29. <http://www.sidco.tn.nic.in/>
30. [https://www.tn.gov.in/scheme/departement\\_wise/2](https://www.tn.gov.in/scheme/departement_wise/2)
31. <http://tnchamber.in/key-initiatives/>

**Course Teacher: Dr. Shobana Nelasco**

**Forwarded By the Head of the**

**Department**

**III SEMESTER**  
**MAJOR CORE**  
**DEVELOPMENT ECONOMICS – 19PG3E9**  
(For those who joined in 2019 onwards)

**HOURS/WEEK: 5**

**CREDIT:4**

**COURSE DESCRIPTION**

This course deals with meaning and measurement of economic growth and development, growth theories and models also covers theories of foreign direct investment and foreign aid. The role of

technological transfers and Brain train are investigated. This course analyses the cultural/social institutions, social-overhead capital, and poverty and income distribution.

### **COURSE OBJECTIVE/S**

1. To equip the student with sound knowledge to appear for IES, IAS, NET, SET, JRF and other competitive examinations.
2. To enrich the knowledge of the students about the various concepts, theories and models of economic development.
3. To enable the students to understand the role of foreign Aid and foreign capital in Economic Development
4. To study the importance of Technological development and Brain drain in the Global era

### **COURSE OUTCOMES (CO)**

No	COURSE OUTCOME	KNOWLEDGE LEVEL
CO 1	Explain the models and Theories of Economics Development	K1/K2/K3
CO 2	Analyse the impact of Transfer of Technology and Brain drain	K2/K3/K4
CO 3	Assess the role of state in Economic Development	K3
CO 4	Evaluate the impact of foreign capital and Foreign aid on Economic Development	K2/K3/K4
CO 5	Identify the technological development in India and to discuss the Effect of Development Oriented Economic policies.	K2/K3/K4

### **UNIT I: MODELS OF ECONOMIC DEVELOPMENT**

**[15HRS]**

Growth and Development –Classical and Neo classical Approaches - Harrod / Domar Model and its application – Mahalanobis model – Joan Robinsons model – Kaldor and Meade model. - Amartya Sen's capability approach to economic development.

### **UNIT II: THEORIES OF GROWTH AND DEVELOPMENT**

**[15 HRS]**

The Vicious Circle Theory – The stages of Growth – Lewis Theory of Surplus -Surplus labour – Big Push – Balanced and Unbalanced growth – Critical Minimum effort – Low level of Equilibrium trap –The wage Goods Model - Solow's Theoretical Model.

### **UNIT III:STATE AND ECONOMIC DEVELOPMENT**

**[15 HRS]**

Creation Of Social and Economic Overheads - Agricultural Development – Industrial Development – Reduction Of Inequalities – Optimum Allocation Of Resources And Creation Of Full Employment – Development Oriented Economic Policies –Changes In Institutional Framework – State Participation In Economic Development.

#### **UNIT IV: FOREIGN CAPITAL AND AID IN ECONOMIC DEVELOPMENT [15Hrs]**

**Types Of Foreign Capital** - Role Of Foreign Aid – Case For Foreign Aid – Case Against Foreign Aid – Tied Vs Untied Aid – Factors Determining The Amount Of Foreign Aid For Economic Development – Aid Or Trade Two – gap model – A Critical Appraisal – Costs And Benefits Of Aid – Its Implications

#### **UNIT V:**

**[15 HRS]**

Role Of Technology In Economic Development – Transfer Of Technology To Underdeveloped Countries – Choice Of Appropriate Technology – Brain Drain – Technological Development In India.

#### **UNIT VI - DYNAMISM/CURRENTAFFAIR:**

Case study on impact of Technology on Agriculture, Analysis of Technological Development In India, Impact of Foreign Direct Investment on the Indian economy.

### **COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

<b>Module No.</b>	<b>Topic</b>	<b>No. of Lectures</b>	<b>Content Delivery Method</b>	<b>Teaching Aids</b>
<b>Unit -1 MODELS OF ECONOMIC DEVELOPMENT</b>				
1.1	Growth and Development –Classical and Neo classical Approaches - Harrod / Domar Model and its application – Mahalanobis model	8	Chalk & Talk	Black Board
1.1:1	Joan Robinsons model – Kaldor and Meade model. - Amarthya Sen's capability approach to economic development.	7	Chalk & Talk	LCD
<b>UNIT II: UNIT II: THEORIES OF GROWTH AND DEVELOPMENT</b>				



2.1	The Vicious Circle Theory – The stages of Growth – Lewis Theory of Surplus -Surplus labour – Big Push – Balanced and Unbalanced growth	8	Lecture	Smart Board
2.1.2	– Critical Minimum effort – Low level of Equilibrium trap –The wage Goods Model - Solow’s Theoretical Model	7	Lecture	Black Board

### UNIT III STATE AND ECONOMIC DEVELOPMENT

3.1	Creation Of Social and Economic Overheads - Agricultural Development – Industrial Development – Reduction Of Inequalities – Optimum Allocation Of Resources And Creation Of Full Employment –	8	lecture	Block board
3.2	– Development Oriented Economic Policies –Changes In Institutional Framework – State Participation In Economic Development.	7	lecture	Black Board

### Unit -IV : FOREIGN CAPITAL AND AID IN ECONOMIC DEVELOPMENT

4.1	Types Of Foreign Capital - Role Of Foreign Aid – Case For Foreign Aid – Case Against Foreign Aid	6	Lecture	WhiteBoard
4.2	– Tied Vs Untied Aid – Factors Determining The Amount Of Foreign Aid For Economic Development – Aid Or Trade Two – gap model – A Critical Appraisal	5	Chalk & Talk	Block Board
4.3	Costs And Benefits Of Aid – Its Implications	4	Lecture	Text Books /Materials

### UNIT V TECHNOLOGICAL CHANGE AND ECONOMIC DEVELOPMENT

5.1	Role Of Technology In Economic Development – Transfer Of Technology To	7	Lecture	Block Board
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	Underdeveloped Countries			
5.2	Choice Of Appropriate Technology – Brain Drain – Technological Development In India.		Lecture	Block Board
UNIT VI: DYNAMISM				
6.1	Impact of Technology on Agriculture			Case Study
6.2	Analysis of Technological Development In India			Analytical Skills
6.3	Impact of Foreign Direct Investment on the Indian economy			PPT

### **TEXT BOOKS:**

### **REFERENCE BOOKS:**

1. R.K. Lekhi, “Economics of Growth Planning”, Kalyani Publishers, New Delhi, 4<sup>th</sup> Edition, 1996.
2. K.R. Gupta, “Economics of Growth Planning”, Ramlal Pury of Atma Ram & Sons, Delhi, 2<sup>nd</sup> Edition, 1971.
3. M.L. Jhingan, “Economics of Development and Planning”, Konark Publishers Private Limited, Delhi, 26<sup>th</sup> Edition, 1993.
4. R.L. Goel, Meenakshi Prakashan, “Economics of Growth Planning”, New Delhi, 5<sup>th</sup> Edition, [Revised & Enlarged],
5. K.D. Gaur, Sarup & Sons, “Economics of Growth Planning”, New Delhi,
6. 1<sup>st</sup> Edition 1995.
7. Taneja Myer “Economics of Development and Planning “ Shoban Lal Nagin
8. Chand & Co Jalandhar City -144004

**Course Designer: (Dr. M. Regina Mary)**

**Forwarded By the Head of the Department**

**III SEMESTER**  
**MAJOR CORE**  
**ECONOMETRICS – 19PG3E10**  
(For those who joined in 2019 onwards)

**HOURS/WEEK: 6**

**CREDIT:4**

**COURSE DESCRIPTION**

The course provides an introduction to econometrics which concentrates on the understanding of basic concepts through explanation and example.

**COURSE OBJECTIVE/S**

- Develop students' skills in the use of econometric techniques
- To enable the students to acquire knowledge on accurate forecasting skills
- To facilitate economics oriented exams like IES and other exams like IAS, NET etc

**COURSE OUTCOMES (CO)**

No.	Course Outcome	Knowledge Level
CO 1	Facilitate students familiar with the application of econometrics in Economic theory.	K1/K2

<b>CO 2</b>	Enable students to interpret and grasp the essentials of regression output to allow them to access journal articles	K2
<b>CO 3</b>	Demonstrate knowledge of regression analysis OLS	K1
<b>CO 4</b>	Appraise the problems associated with using OLS when classical assumptions are violated	K3
<b>CO 5</b>	Distinguish between different functional forms and justify which are appropriate for estimating economic models	K2
<b>CO 6</b>	Identify the causality between the economic variables	K1
<b>CO 7</b>	Enable the students to use the dummy variables in economic modelling.	K2

## **UNIT I: INTRODUCTION**

**[15 HRS]**

Definition of Econometrics - Econometrics and Mathematical economics, Econometrics and statistics - Types of Data: Time Series, Cross Section and Panel data - Stochastic and Non-stochastic Relations - Reason for inclusion of error term in econometric model - Properties of Least Squares Estimators [ Theory only] -OLS-Assumptions.

## **UNIT II: SIMPLE & MULTIPLE REGRESSION ANALYSIS**

**[15 HRS]**

Simple Linear Regression Model: Functional Forms of Regression Models - Simple Problems in Simple Linear Regression. Multiple Linear Regression Model: Estimation - Goodness of fit-  $R^2$  and Adjusted  $R^2$ - Application and Interpretation.

## **UNIT III: VIOLATIONS OF CLASSICAL ASSUMPTIONS: REGRESSION DIAGNOSTICS**

**[15 HRS]**

Autocorrelation – Meaning - Reasons for autocorrelation - Detection of Autocorrelation –Durbin Watson Test – Remedies, Heteroscedasticity - Reasons for heteroscedasticity - Tests for Heteroscedasticity – Goldfeld – Quandt test, Multicollinearity: Meaning - Reasons for Multicollinearity - Test for Detecting Multicollinearity.

## **UNIT IV: DYNAMIC ECONOMETRIC MODELS**

**[15 HRS]**

Autoregressive Model: Meaning - Distributed Lag Models: Meaning-Reasons for Lag: Estimation of Distributed Lag Model – The Koyck Approach.

## **UNIT V: DUMMY VARIABLES**

**[15 HRS]**

Nature of dummy variables- Use of dummy variables for measuring the shift of a function over time -. Use of dummy variables for measuring the change in parameters [ slopes] over time - Use of dummy variables in seasonal analysis.

## **UNIT VI - DYNAMISM/CURRENTAFFAIR**

A case study on application of econometric model in Primary, secondary and service sector - Application of econometric tools in their Empirical research project - Comprehensive Test.

### **COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

<b>Module No.</b>	<b>Topic</b>	<b>No. of Lectures</b>	<b>Content Delivery Method</b>	<b>Teaching Aids</b>
<b>UNIT I: INTRODUCTION</b>				
1.1	Definition of Econometrics	3	Chalk & Talk	Black Board
1.2	Econometrics and Mathematical economics Econometrics and statistics	2	Chalk & Talk	PPT
1.3	Types of Data: Time Series, Cross Section and Panel data	4	Lecture	PPT & Black board
1.4	Stochastic and Non-stochastic Relations	3	Lecture	Smart Board
1.4.1	Reason for inclusion of error term in econometric model	2	Lecture	Black Board
1.4.2	Properties of Least Squares Estimators [ Theory only]	2	Lecture	PPT
1.4.3	OLS-Assumptions.	2	Lecture	PPT
<b>UNIT II: SIMPLE &amp; MULTIPLE REGRESSION ANALYSIS</b>				
2.1	Simple Linear Regression Model: Functional Forms of Regression Models	3	Lecture	Green Board Charts
2.1.1	Simple Problems in Simple Linear Regression.	4	Chalk & Talk	Green Board
2.2	Multiple Regression Model: Estimation -	4	Lecture/Chalk & Talk	Green Board
2.3	Goodness of fit- $R^2$ and Adjusted $R^2$ -	2	Lecture	Green Board
2.4	Application and Interpretation.	2	Lecture	Green Board
<b>UNIT III: VIOLATIONS OF CLASSICAL ASSUMPTIONS: REGRESSION DIAGNOSTICS</b>				
3.1	Autocorrelation – Meaning	1	Lecture/Chalk & Talk	Green Board & PPT

3.1.1	Reasons for autocorrelation - Detection of Autocorrelation	4	Lecture	Green Board & PPT
3.1.2	Durbin Watson Test – Remedies,	2	Lecture	Green Board
3.2	Heteroscedasticity - Reasons for Heteroscedasticity	3	Lecture/Chalk & Talk	PPT & Green Board
3.2.1	Tests for Heteroscedasticity – Goldfeld and Quandt test	2	Lecture	Green Board
3.3	Multicollinearity: Meaning - Reasons for Multicollinearity	2	Lecture	Green Board & PPT
3.3.1	Test for Detecting Multicollinearity	1	Lecture/Chalk & Talk	Green Board
<b>UNIT IV: DYNAMIC ECONOMETRIC MODELS</b>				
4.1	Autoregressive Model: Meaning	3	Lecture	Green Board
4.2	Distributed Lag Models: Meaning	4	Lecture/Chalk & Talk	Green Board
4.2.1	Reasons for Lag	4	Lecture	Green Board
4.2.2	Estimation of Distributed Lag Model – The Kyock Approach.	4	Lecture/Chalk & Talk	Green Board
<b>UNIT V: DUMMY VARIABLES</b>				
5.1	Meaning and Nature of dummy variables	3	Lecture	PPT & Black board
5.2	Use of dummy variables for measuring the shift of a function over time.	4	Lecture	PPT & Black board
5.3	Use of dummy variables for measuring the change in parameters [ slopes] over time	4	Lecture	PPT & Black board
5.4	Use of dummy variables in seasonal Analysis	4	Lecture	PPT & Black board
<b>UNIT VI - DYNAMISM/CURRENTAFFAIR</b>				
6.1	A case study on application of econometric model in Primary, secondary and service sector	-	Discussion	Black board
6.2	Application of econometric tools in their Empirical research project	-	Discussion	Mini research report
6.3	Comprehensive Test.	-	Written test	UGC NET/SET Books

**REFERENCE BOOKS:**

1. Badi H. Baltagi, "Econometrics", Springer publication, U.S.A., 2005.
2. Gujarati, Damodar N, "Basic Econometrics", MC Graw - Hill, International Edition, 2004.
3. Johnston J, "Econometric Methods", MC Graw - Hill, New York, 1984.
4. Koutsoyiannis, "A Theory of Econometrics", Harper & Row, New York, 2004.
5. Maddala G.S, "Introduction to Econometrics", John Wiley & Sons Ltd., 2005.
6. Madnani G.M.K, "Introduction to Econometrics" Oxford & IBH Publishing Co. Pvt. Ltd., 1994.
7. Metha Madani, "Econometrics", Oxford and IBH Publishing Co. Pvt. Ltd., New Delhi, 2001.
8. Singh, S.P, Parashar, A.K, and Singh, H.P., "Econometrics", S. Chand & Co. Pvt. Ltd., New Delhi, 1999.
9. S. Shyamala, "Econometrics Theory and Applications", Vishal Publishing Co., Jalandhar-Delhi, 2009.

**COURSE DESIGNER:**

**1. Staff Name** - **Dr. P.ANITA**

**Forwarded By**

**HOD'S Signature**

**III SEMESTER****19PG3E11 RESEARCH METHODOLOGY**

(For those who joined in 2019 onwards)

**HOURS/WEEK: 6**

**CREDIT: 4**

**COURSE DESCRIPTION**

Gain knowledge on basic research problems

### **COURSE OBJECTIVE/S**

#### **Objectives:**

1. Students may gain knowledge in general definition of research design.
2. Students should know why educational research is undertaken, and the audiences that profit from research studies.
3. Able to identify the overall process of designing a research study from its inception to its report.
4. Students should be familiar with ethical issues in educational research, including those issues that arise in using quantitative and qualitative research.
5. Students may know the primary characteristics of quantitative research and qualitative research.
6. Students can be able to identify a research problem with suggestions.

### **COURSE OUTCOMES (CO)**

<b>No.</b>	<b>Course Outcome</b>	<b>Knowledge Level</b>
<b>CO 1</b>	Understand some basic concepts of research and its methodologies	K1
<b>CO 2</b>	Identify appropriate research topics and Select and define appropriate research problem and parameters	K2
<b>CO 3</b>	Prepare a project proposal (to undertake a project)	K3
<b>CO 4</b>	Organize and conduct research (advanced project) in a more appropriate manner	K4
<b>CO5</b>	Write a research report and thesis and proposal for grant and assess critically the case study, structured surveys, interviews, report writing research methods	K5

#### **UNIT I: NATURE OF RESEARCH**

**[15 Hrs]**

Meaning of Research- Objectives of Research- Motivation in Research- Types of Research- Research approaches - Significance of Research and Scientific Method Research Process - Criteria of Good Research -Problems Encountered by Researchers in India- Plagiarism check and Ethics in Research

#### **UNIT: II RESEARCH PROBLEM AND RESEARCH DESIGN**

**[15 Hrs]**



Research Problem: Identification of the Problem – Formulation of the Problem- Criteria of a Good Research Problem. Role of Review of Literature.

Research Design: Meaning – Characteristics of a Good Research Design – Components of a Research Design – Types of Research Design.

### **UNIT III: METHODS OF DATA COLLECTION**

**[15 Hrs]**

Primary Data: Mailed Questionnaire, Schedules, Interview Method, Observation and Case Study. Merits and Demerits of Primary Sources.

**Census and Sample Survey** – Criteria for Selecting a Sample Procedure – Different Types of Sampling.

Secondary Data: Sources of Secondary Data – Precautions in the use of Secondary Data – Merits & Demerits.

### **UNIT IV: FORMULATION AND TESTING OF HYPOTHESIS**

**[ 15 Hrs]**

Definition of Hypothesis. Role of Hypothesis – Types of Hypothesis – Criteria for useful Hypothesis – its Formulation. Procedure for Testing Hypothesis – level of significance.

### **UNIT V: PROCESSING OF DATA AND REPORT WRITING**

**[ 15 Hrs]**

Data Processing – Scaling Techniques – Likert's Scale - Tabulation – Editing – Coding – Analysis and Interpretation of Data – Precautions Interpretation – Steps in **Report Writing** – Format for Research Report – Preliminary, Text, Reference Material – Foot Note, Index, Bibliography.

**Practical Evaluation Components using case study, Survey Reports and presentation (PPT or oral):**

1. Seminar and presentation on practical research works
2. Doing individual project in research proposals
3. Collecting and writing review of articles with the above tools

## **COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

<b>Module No.</b>	<b>Topic</b>	<b>No. of Lectures</b>	<b>Content Delivery Method</b>	<b>Teaching Aids</b>
<b>UNIT I: NATURE OF RESEARCH</b>				
1.1	Meaning of Research- Objectives of Research- - Significance of Research -	3	PPT and lecture	LCD
1.2	Motivation in Research- Types of Research	3	You tube videos	Black board
1.3	Research approaches	3	lecture	Class room
1.4	Scientific Method Research Process - Criteria of Good Research	3	PPT and lecture	LCD

1.5	Problems Encountered by Researchers in India.	3	PPT and lecture	LCD
1.6	Plagiarism check and Ethics in Research	3	PPT and lecture	LCD
<b>UNIT: II RESEARCH PROBLEM AND RESEARCH DESIGN</b>				
2.1	Research Problem Criteria of a Good Research Problem. Components of a Research Design	3	Class room lecture	black Board
2.2	Identification of the Problem – Formulation of the Problem-	3	Class room lecture	black Board
2.3	Role of Review of Literature.	3	Class room lecture	Black Board
2.4	Research Design Meaning – Characteristics of a Good Research Design	3	Class room lecture	Smart Board
2.5	Types of Research Design.	3	Class room lecture	Smart board
<b>UNIT III: METHODS OF DATA COLLECTION</b>				
3.1	Primary Data Mailed Questionnaire, Census and Sample Survey —	3	Lecture and discussion	Smart Board
3.2	Schedules, Interview Method	2	Lecture	Smart Board
3.3	Observation and Case Study. Merits and Demerits of Primary Sources.	3	Lecture	Black Board
3.4	Criteria for Selecting a Sample Procedure	2	Lecture	Smart Board
3.5	Different Types of Sampling.	3	Lecture	Smart Board
3.6	Secondary Data: Sources of Secondary Data – Precautions in the use of Secondary Data – Merits & Demerits.	2	Lecture	Black Board
<b>UNIT IV: FORMULATION AND TESTING OF HYPOTHESIS</b>				
4.1	Definition of Hypothesis. Criteria for useful Hypothesis –	3	Lecture	Smart Board
4.2	Role of Hypothesis – Types of Hypothesis –	3	Lecture	Smart Board
4.3	Formulation, Procedure for Testing	3	Lecture	Black Board

	Hypothesis – level of significance.			
<b>UNIT V: PROCESSING OF DATA AND REPORT WRITING</b>				
5.1	Data Processing – Scaling Techniques – Analysis and Interpretation of Data –Format for Research Report	4	Lecture	Black board
5.2	,Likert’s Scale - Tabulation – Editing – Coding	4	Lecture	Black board
5.3	Precautions Interpretation – Steps in Report Writing	4	Lecture	Black board
5.4	Preliminary, Text, Reference Material – Foot Note, Index, Bibliography.	3	Lecture	Black board
<b>UNIT – VI DYNAMISM</b>				
	1. Seminar and presentation on practical research works			
	2. Doing individual project in research proposals			
	3, Collecting and writing review of articles with the above tools			

#### **Reference Books:**

1. Donald .H. Mc Burney, “Research Methods”, Thomson-Wordsworth, 5<sup>th</sup> Edition, 2003.
2. Ghosh B.N., “Scientific Method & Social Research”, Sterling PublishersPvt.Ltd., New Delhi, 4<sup>th</sup> Edition 1987.
3. Goode and Hatt, “Methods and Social Research”, McGraw Hill International Book Company, 23<sup>rd</sup> Printing, 1983.
4. Gopal Lal Jain,”Research Methodology – Methods tools and Techniques”, Mangal Deep Publications, Jaipur 1998.
5. Kothari C.R., “Research Methodology”, New Age International Publishers, New Delhi,3<sup>rd</sup> reprint Edition, 2004.
6. Sadhu & Singh, “Research Methodology in Social Sciences”, Himalaya Publishing House, Mumbai, 2<sup>nd</sup> Edition,1983.
7. Santosh Gupta, “Research Methodology and Statistical Techniques”, Deep and Deep Publications, New Delhi, 2001.
8. Sonachalam K.S., “Research Methodology of Social Science”, Emerald Publishers, Madras, 1988.

9. Yogesh Kumar Singh and Ruchikanath, “Research Methodology”, A.P.H Publishing Corporation, New Delhi 2005.
10. O.R. Krishnaswamy and M. Ranganathan, “Methodology of Research in Social Sciences”, Himalaya Publishing House, New Delhi, 2006.
11. Villiam .J. Good & paul k. methods in social research hatt mcgraw hill international book company. Andrew J. Oswald “surveys in economics” black well oxford Uk Cambridge USA

<https://www.slideshare.net/DVutkarsh/research-process-and-research-design>

### **III SEMESTER**

#### **ALLIED CORE**

#### **FINANCIALECONOMICS - 19PG3AE11**

(For those who joined in 2019 onwards)

**HOURS/WEEK: 6**

**CREDIT:4**

## COURSE DESCRIPTION

Finance is the blood of business .it supports economic development industrial development and self help group

## COURSE OBJECTIVE/S

1. To understand some important and core issues of Finance
2. to improve the knowledge on stock market
3. To enlighten them on self help group.
4. To develop understanding of the key concepts of financial markets and their relevance in the business settings
5. To equip them to face IES, IAS exams and NET exam
6. To equip students to apply their knowledge in stock market security market.
7. To make students aware of financial markets and its functions

## COURSE OUTCOMES (CO)

No.	Course Outcome	Knowledge Level (Bloom's Taxonomy)
CO 1	To make the students to understand the Financial System	K1
CO 2	To make aware of Money Market and Indian Stock Exchange.	K2
CO 3	. To equip them to face IES, IAS exams and NET exam	K3
CO 4	To know the latest technology of financial system evaluate the merits and demerits of online trading	K1
CO 5	To know the concept of financial Inclusion.	K1

### UNIT I: INTRODUCTION

[ 15 Hrs]

Nature, Role and Structure of Financial System – Classification of Financial Institutions. Financial Markets – Classification – Financial Instruments and Services. Equilibrium in Financial Markets – Role of Financial System in Economic Development. Indian Financial System in the Post 1990'S – Indian Financial Sector reforms.

### UNIT II: **BANKING INSTITUTIONS**

[ 15 Hrs]

[ a] Commercial Banking – Functions – Investment and Portfolio Management– Special Role of Banks – Other Aspects. Banking Innovations and Consortium Approach.

[ b] Regulatory Institution: The RBI – Organization and Management – Functions and its role. Recent Policy Developments.

### UNIT III: **NON-BANKING FINANCIAL INSTITUTIONS**

[ 15 Hrs]

Small Savings – **Types of Instruments**

. Insurance Companies – LIC – GIC – UTI and Mutual Fund – Organization – Structure – Types.  
Investment Pattern and Return on Investment – MMMFS – Miscellaneous NBFIs, Rural Financial Market

#### **UNIT IV: MICRO FINANCE**

**[ 15 Hrs]**

Meaning – origin- features Demand and supply of micro finance – Micro entrepreneurship and Business Development- Micro Finance and rural financial services – Micro Finance in India.

#### **UNIT V: FINANCIAL INCLUSION:**

**[ 15 Hrs]**

Financial Inclusion - Introduction – definition — objectives –scope –need - components of financial inclusion– role of Lead Banks – basic no –frills bank account – relaxation of KYC norms – general CREDITS card and kisan CREDITS card – micro insurance – use of intermediaries as agents – financial literacy and CREDITS counseling - setting up of RUDSETIs – Establishment of FIF and FITF – indicators of financial inclusion outreach - Pradhan Mantri Jan Dhan Yojana Scheme.

#### **UNIT VI - DYNAMISM/CURRENTAFFAIR**

Case study of Self employment programmes.

### **COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

<b>Module No.</b>	<b>Topic</b>	<b>No. of Lectures</b>	<b>Content Delivery Method</b>	<b>Teaching Aids</b>
<b>UNIT -1 INTRODUCTION</b>				
1.1	Nature, Role and Structure of Financial System – Classification of Financial Institutions.	2	Chalk & Talk	Black Board
1.1:1	Subtopics: Financial Markets – Classification	3	Chalk & Talk	Black Board
1.3	Financial Instruments and Services	2	Lecture	PPT
1.4	Equilibrium in Financial Markets	2	Video Lecture	online
1.6	Indian Financial System in the Post 1990'S –	2	Chalk & Talk	Black Board
1.7	Indian Financial Sector reforms	2		
<b>UNIT -2 UNIT II: BANKING INSTITUTIONS</b>				
2.1	Commercial Banking Functions	2	Lecture	Black Board

2.2	Investment and Portfolio Management	2	Google	online
2.3	Special Role of Banks	2	Flipped Learning	Online/ E-Content/
2.4	Banking Innovations and Consortium Approach.	2	Blended Learning	Online/ E-Content/ Text Books /Materials/ Field Visit/
	Regulatory Institution: The RBI	2	Lecture	Black Board
	Organization and Management	2	Google	online
	Functions and its role. Recent Policy Developments.	3	Flipped Learning	Online/ E-Content/
<b>UNIT III: NON-BANKING FINANCIAL INSTITUTIONS</b>				
3.1	Small Savings	1	Lecture	Black Board
3.2	Types of Instruments	2	Google	online
3.3	Insurance Companies – LIC	3	Flipped Learning	Online/ E-Content/
3.4	GIC – UTI	2	Flipped Learning	Online/ E-Content/
3.5	Mutual Fund – Organization – Structure – Types.	4	Blended Learning	Online/ E-Content/ Text Books /Materials
3.6	Investment Pattern and Return on Investment – MMMFS	2	Lecture	Black Board
3.7	Rural Financial Market	1	Lecture	Black Board
<b>UNIT IV: MICRO FINANCE</b>				
4.1	Meaning – origin- features Demand and supply of micro finance	2	Lecture	Black Board

4.2	Micro entrepreneurship and Business Development	2	Lecture	Black Board
4.3	Micro Finance and rural financial services	2	ppt	Online
4.4	Micro Finance in India.	2	ppt	online
<b>UNIT V: FINANCIAL INCLUSION</b>				
5.1	Financial Inclusion - Introduction – definition — objectives –scope –need - components of financial inclusion–	3	Google	online
5.2	role of Lead Banks –basic no –frills bank account –	2	Flipped Learning	Online/ E-Content/
5.3	relaxation of KYC norms general CREDITS card and kisan CREDITS card	3	Flipped Learning	Online/ E-Content/
5.4	micro insurance use of intermediaries as agents –	2		
5.5	setting up of RUDSETIs	2	Google	online
5.6	Establishment of FIF and FITF –indicators of financial inclusion outreach	2	Google	online
5.7	Pradhan Mantri Jan Dhan Yojana Scheme.	1	Google	online
<b>UNIT VI - DYNAMISM/CURRENTAFFAIR</b>				
6.1	Case study of Self employment programmes			
6.2	Case study of recent schemes.			

### REFERENCE BOOKS:

1. I.G.S. Batra and P.C. Dangural, “Financial Services – New Innovations”, Deep and Deep Publications Pvt. Ltd, 2005.
2. L.M. Bhole, “Financial Institutions and Markets”, Tata McGraw-Hill, 2005.
3. S.K. Aggarwal, “Stock Markets and Financial Journalism” Shipra Publication, New Delhi, 1998
4. A.K. Sharma and G.S. Batra, “Indian Stock Market, Regulation, Performance &Policy Perspective”, Deep and Deep Publications Pvt. Ltd, 2005.
5. Anthony Saunders, “Financial Markets and Institutions”, Tata McGraw-Hill.
6. Peter S. Rose, “Money and Capital Markets – Financial Institutional & Instruments in a Global Market Place”, [ International Edition]



7. Johes ,Chris “ Financial economics” London ,routledge , 2008.
8. Profor Torry “globalization and finance” Blackwell Publishers London 2005
9. Sushama Sahay., “Women and Empowerment - approaches & strategies”, Discovery Publishing House, New Delhi,1998.
10. C. P Yadav., “Empowerment of Women”, Anmol Publications, New Delhi, 2000.
11. N.P Hariharan., “Lights & Shades of Indian Economy”, Vishal Publishing Company,
12. Arun .K. Singh., “Empowerment of Women in India”, Manak Publications Pvt. Ltd.
13. Karmakar.K.G., “Rural CREDITS and SHG – Micro Finance Need & Concepts in India”, Sage Publicatons , New Delhi, 1999.
14. Reema Rasha “Financial inclusion in under developed regions of India. SSDN publishers & Distributors, NewDelhi 2012.
15. Siddaraju U.G.Ramesh “Financial Inclusion in India Issues & Challenges” Centre for The Study of Social Exclusion & Inclusive Policy University of Mysore 978-81212-1182-6-2014.
- 16.Nirupam Mehrotra and et.al. Financial Inclusion – an overview, occasional paper 48, Department Of Economic Analysis And Research , Nabard, Mumbai , 2009.p

**. COURSE DESIGNER:**

**1. Staff Name Mrs. A. Gracy Rani**

**Forwarded By**

**HOD’S Signature**

**IV SEMESTER**

**ELECTIVE**

**AGRICULTURAL ECONOMICS - 19PG3EE1**

(For those who joined in 2019 onwards)

**HOURS/WEEK: 6**

**CREDIT:5**

## COURSE DESCRIPTION

Study of farm size and productivity, agricultural finance, marketing, agricultural price policies, sustainability, impact of WTO.

## COURSE OBJECTIVES

1. To enrich the knowledge of the students in Indian Agriculture.
2. To assess the position of Indian Agriculture at the Global level.
3. To enable the students to succeed in the competitive exams.

## COURSE OUTCOMES (CO)

No.	Course Outcome	Knowledge Level
CO 1	Identify the productivity trends of agriculture and the causes for low productivity.	K1
CO 2	Realize the problem of farm size and need for co-operative farming	K2
CO 3	Evaluate the need for Policy reforms in Public Distribution System	K2
CO 4	capable of assessing the financial problems encountered by farmers	K3
CO 5	Compile and analyse the innovations in agricultural financing	K3
CO6	Analyse the need for organic farming, contract farming to achieve sustainability in agriculture.	K2

## UNIT I FARM SIZE AND PRODUCTIVITY (15 Hrs)

The size of operating unit – advantages of large farms – advantages of small farms – Variations in the optimum size – meaning of economic holding – operational holding-factors determining farm size – problems of subdivision and fragmentation – Remedial measures- Corporate farming.

## UNIT II AGRICULTURAL FINANCE AND MARKETING (15 Hrs)

Institutional Finance for agriculture- Commercial Banks - Co-operatives, RRB's, NABARD, LDB's, reforms in agricultural credit policy- innovations in agricultural financing – microfinance- meaning, role and trends, kisan credit cards- SHGs'.

Importance of agricultural marketing –functions of agricultural marketing– marketing cost – Problems in marketing of agricultural products – marketable surplus and marketed surplus Regulated markets and Co-operative marketing-Storage and Warehousing in India.

## UNIT III AGRICULTURAL PRICES AND PRICE POLICY (15 Hrs)

Impact of fluctuations in agricultural prices- case for price stabilisation- Objectives of agricultural price policy -Instruments of agricultural price policy: Support price- **Procurement price** and **issue price**- **Agricultural Prices and Cost Commission** (APC), - Public distribution system- Buffer stock - An evaluation of agricultural price policy- Crop Insurance

#### **UNIT IV SUSTAINABLE AGRICULTURAL DEVELOPMENT (15 Hrs)**

Meaning- Composition – MNCs and Acquisition of Farm land- Bio Technology – Meaning and Trends - Organic Farming –. Contract Farming - Diversification of Agriculture in India- Second Green Revolution-National Commission on Farmer- **Food Security** in India.

#### **UNIT V WTO AND INDIAN AGRICULTURE (15 Hrs)**

Impact of WTO on Agriculture- Agreements on Agriculture (AOA): Tariffication- Quota Restriction- Domestic Support- TRIPS and Indian Agriculture. Subsidy discipline- Patenting of seeds- Inputs and food subsidy. Problems of agricultural imports and exports- Recent EXIM policy

#### **UNIT VI: (15 Hrs)**

Case study on diversified agriculture-Study on the financial need and source of finance of farmers in particular area-.Study on channels of marketing of any agricultural product.

### **COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

<b>Module No.</b>	<b>Topic</b>	<b>No. of Lectures</b>	<b>Content Delivery Method</b>	<b>Teaching Aids</b>
<b>Unit -1 FARM SIZE AND PRODUCTIVITY</b>				
1.1	Topic 1: The size of operating unit – advantages of large farms	2	Chalk & Talk	Black Board
1.2	advantages of small farms	1	Lecture	Black Board
1.3	Variations in the optimum size	2	Chalk & Talk	Black Board
1.4	meaning of economic holding	2	Lecture	Black Board
1.5	operational holding-factors determining farm size	2	Lecture	PPT
1.6	Topic 2 Causes of subdivision and fragmentation	2	Discussion	LCD
1.7	Problems of subdivision and fragmentation	2	Chalk & Talk	Black Board
1.8	Remedial measures	1	Discussion	Black Board
1.9	Corporate farming.	1	Chalk & Talk	Black Board
<b>Unit -2 : AGRICULTURAL FINANCE AND MARKETING</b>				

2.1	Topic1: Institutional Finance for agriculture- Commercial Banks - Co-operatives.	1	Lecture	Black Board
2.2	RRB's,NABARD, LDB's,-	2	Chalk & Talk	Black Board
2.3	Reforms in agricultural credit policy-innovations in agricultural financing	2	Lecture	PPT
2.4	Microfinance-meaning, role and trends,	1	Discussion	Black Board
2.5	Kisan credit cards- SHGs'	2	Lecture	Black Board
2.6	Topic 2: Importance of agricultural marketing-functions of agricultural marketing.	2	Discussion	Online
2.7	marketing cost – Problems in marketing of agricultural products	2	Lecture	Black Board
2.8	marketable surplus and marketed surplus Regulated markets	1	Lecture	Black Board
2.9	Co-operative marketing-Storage and Warehousing in India	2	Lecture	Black Board
<b>Unit -3 : AGRICULTURAL PRICES AND PRICE POLICY</b>				
3.1	Topic I: Impact of fluctuations in agricultural prices - case for price stabilisation-	2	Lecture	k Board
3.2	Objectives of agricultural price policy -Instruments of agricultural price policy	2	Chalk & Talk	Black Board
3.3	Support price- Procurement price and issue price	3	Lecture	PPT
3.4	Agricultural Prices and Cost Commission (APC)	2	Discussion	Black Board
3.5	Topic:2 Public distribution system- Buffer stock.	3	Lecture	LCD
3.6	An evaluation of agricultural price policy	2	Discussion	Black Board
3.7	Crop Insurance	1	Lecture	Black Board
<b>Unit -4 : SUSTAINABLE AGRICULTURAL DEVELOPMENT</b>				
4.1	Meaning- Composition – MNCs and Acquisition of Farm land .	2	Lecture	Black Board

4.2	Bio Technology – Meaning and Trends	2	Lecture	Black Board
4.3	Organic Farming	2	Discussion	Black Board
4.4	Contract Farming	3	Discussion	LCD
4.5	Diversification of Agriculture in India	3	Lecture	PPT
4.6	Second Green Revolution	3	Discussion	Black Board
4.7	National Commission on Farmer	2	Lecture	Black Board
4.8	Food Security in India.	3	Lecture	PPT
<b>Unit -5 : WTO AND INDIAN AGRICULTURE</b>				
5.1	Impact of WTO on Agriculture-Agreements on Agriculture (AOA)	3	Lecture	LCD
5.2	Tariffication- Quota Restriction- Domestic Support.	3	Discussion	PPT
5.3	TRIPS and Indian Agriculture	2	Lecture	Black Board
5.4	Subsidy discipline- Patenting of seeds	2	Discussion	Black Board
5.5	Inputs and food subsidy	1	Lecture	Black Board
5.6	Problems of agricultural imports and exports.	2	Discussion	Black Board
5.7	Recent EXIM policy	2	Lecture	PPT
<b>Unit -6 : DYNAMISM</b>				
6.1	Case study on diversified agriculture in particular area.	4	Lecture	Students report submission through PPT
6.2	Study on the financial need and source of finance of farmers in particular area.	3	Discussion	Students report submission through PPT
6.3	Study on channels of marketing in an area.	4	Lecture	Students report submission
6.4	Case Study on channels of marketing for any agricultural product.	4	Discussion	report submission

**TEXT BOOK:**

Cohen R.L., “Economics of Agriculture”, James Nisbet & Co Ltd., Cambridge at the University Press,  
1<sup>st</sup> Published.

**REFERENCE BOOKS:**

- Amarjit Singh, Sadhu A.N & Jasbir Singh “Fundamentals of Agricultural Economics” Himalaya Publishing House, NewDelhi
- Benjamin R.E., Hariharan S.B and Karunakaran M, “Economics of Agriculture”, S. Chand Company Ltd.
- Bishop C.E & Toursaint W.D. “Introduction to agriculture economics analysis” John Wiley & Sons – NewYork.
- Desai R.G., “Agricultural Economics”, Models Problems and Policy Issues, Himalaya Publishing House, Mumbai, 1<sup>st</sup> Edition.
- Dhingra I.C, “Agriculture in Industrial Economics”, S. Chand & Sons, 1<sup>st</sup> Edition.
- Fernandis W.S. “Agricultural Trade and Practice in India” ARISE Publishers & Distributors – New Delhi.
- Merlinda D. Ingco and John D.Nash “Agricultural and the WTO” The World Bank– Washington, D.C.
- Mertin Upton “Agricultural Production Economics and Resource” - useOxford University.
- Sadhu & Singh “Fundamentals of Agricultural Economics” Himalaya Publishing House.

**COURSE DESIGNER:**

1. Staff Name (Dr.S.Ivy Jeno)

**Forwarded By**

**HOD’S Signature**

**III SEMESTER**

**MAJOR ELECTIVE**

**GENDER ECONOMICS - 19PGEE2**

(For those who joined in 2019 onwards)

**HOURS/WEEK: 5**

**CREDIT:5**

### **COURSE DESCRIPTION**

The course on Gender Economics deals with the social assignments of traits and competencies to people based on their biological sex. It means into the economic phenomenon by looking at how social norms and power structure impact on the lives and opportunities available to men, women and transgender.

### **COURSE OBJECTIVE/S**

1. To explore gender issued as an opportunity to presented and master analytical and empirical tools used in the social sciences
2. To systematically analyse the meaning of sex and gender in past and present societies.
3. To cite gender relations and power dynamics behind individuals access to and distribution of resources.

### **COURSE OUTCOMES (CO)**

<b>No.</b>	<b>Course Outcome</b>	<b>Knowledge Level</b>
<b>CO 1</b>	Identify the role of gender in determining work profiles & other Economic circumstance	K1
<b>CO 2</b>	Recall the concept of Gender, Gender statistics & Institutionalization of Gender Economics	K2
<b>CO 3</b>	Gives scope to outline the comparative advantages in the unpaid work of women	K1
<b>CO 4</b>	Restate the significance of gender in economic process & outcomes	K2
<b>CO 5</b>	Analyse the difference in labour force participation	K3
<b>CO 6</b>	Compare budgetary allocations on the basis of gender	K2
<b>CO 7</b>	Discuss a residual gender gap in the labour market	K3
<b>CO 8</b>	Identify individual access to resources and ability to make decisions among men , women and transgender	K1/K2/K3

### **UNIT I: CONCEPTS AND THEORETICAL APPROACHES IN GENDER ECONOMICS**

**(15HRS)**

Concept of Gender Economics - Difference between Gender and Sex–Sexual Orientation- LGBTQ- Gender division of work - Invisibility of women's work –Women's contribution to GDP -

Gender Mainstreaming - Gender Concerns in Economic Theory - Sen's views - Concept of Equity vs. equality & Feminization of Poverty

## **Unit II: METHOD OF GENDER ECONOMICS (15HRS)**

Subject of Gender Economics - Institutionalization of Gender Economics - Methods of Gender Economics - Inter-Disciplinary Approach - Macro and Micro Level of Studies - Gender statistics and system of sources of data on the Health Education & empowerment - framework of an integrated system of gender state statistics.

Analysis of Women's work- Labour Force Participation – Factors influencing work participation – Occupational Segregation and Crowding-in Effect - Marginalization of women - market bias –

## **Unit III: GENDER INDICES (15HRS)**

**Equity Index - Gender Inequality Index of UNDP - Gender Status Index** - Gender in Human Development - Gender Development Index - Gender Empowerment Index - Gender in Social Development Indicators - the OECD Social Institutions and Gender Index (SIGI)

## **UNIT IV: GENDER ANALYSIS TOOLS AND GENDER BUDGETS (15HRS)**

Gender Analysis Tools: Desk Review- Household Review- FGD- Semi-structured Questionnaire- Case Studies- Stakeholders Workshops

Gender Budgets: Gender Budgeting - Methodology of Gender Budget Preparation - Approaches and Principles of Gender Budgeting - Gender Budgeting in India

## **UNIT V: GOVERNMENT & NON-GOVERNMENT INITIATIVES IN INDIA**

**(15HRS)**

Status of Women Report 1971 & 2018 - Gender Analysis of Development Policy - Engendering Development Policies - Women Development Programs from Independence - Objectives and Methods of Gender Policy in India - Paradigm Shift from Welfare to Empowerment – Role of Ministry of Women and Child Development

Role of NGOs - Development Initiatives - Role of Women's Organizations - Mobilizing, Networking & Advocacy - Grass Root Level Initiatives - Micro Finance and Micro Enterprises - Self Help Groups (SHGs)

## **UNIT VI - DYNAMISM/CURRENT AFFAIR**

Case study on violation of women's rights -Raising voice against Sexual harassment at work place

### **COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

<b>Module No.</b>	<b>Topic</b>	<b>No. of Lectures</b>	<b>Content Delivery Method</b>	<b>Teaching Aids</b>
<b>UNIT -1 INTRODUCTION</b>				
1.1	Concept of Gender Economics -	4	Chalk & Talk	Black Board



	Invisibility of -			
1.2	Difference between Gender and Sex–Sexual Orientation	2	Lecture	Black Board
1.3	Women’s contribution to GDP	1	Chalk & Talk	Black Board
1.4	women’s work , Gender Mainstreaming - Gender Concerns in Economic Theory - Sen’s views	2	Lecture	PPT
1.5	Concept of Equity vs. equality& Feminization of Poverty	2	Lecture	PPT
<b>Unit II: METHOD OF GENDER ECONOMICS</b>				
2.1	Subject of Gender Economics - Institutionalization of Gender Economics	4	Lecture	Black Board
2.2	Methods of Gender Economics - Inter-Disciplinary Approach	4	Chalk & Talk	Black Board
2.3	Inter-Disciplinary Approach - Macro and Micro Level of Studies -	3	Chalk & Talk	Black Board
2.4	Gender statistics and system of sources of data on the Health Education & empowerment	4	Lecture	PPT
<b>Unit III: GENDER INDICES</b>				
3.1	Equity Index - Gender Inequality Index of UNDP----- the	2	Lecture	k Board
3.2	Gender Status Index - Gender in Human Development	3	Chalk & Talk	Black Board
3.3	Gender Development Index - Gender Empowerment Index	3	Lecture	PPT
3.4	Gender in Social Development Indicators	2	Discussion	Black Board
3.5	OECD Social Institutions and Gender Index (SIGI)	3	Lecture	LCD
<b>UNIT IV: GENDER ANALYSIS TOOLS AND GENDER BUDGETS</b>				
4.1	Gender Analysis Tools: Desk Review- Household Review and	2	Chalk & Talk	Black Board
4.2	FGD- Semi-structured Questionnaire	2	Lecture	PPT
4.3	Case Studies- Stakeholders Workshops	2	Discussion	Black Board

4.4	Gender Budgets: Gender Budgeting	3	Chalk & Talk	Black Board
4.5	Methodology of Gender Budget Preparation – Approaches	3	Chalk & Talk	Black Board
4.6	Principles of Gender Budgeting - Gender Budgeting in India	3	Discussion	Black Board
<b>UNIT V: GOVERNMENT&amp; NON-GOVERNMENT INITIATIVES IN INDIA</b>				
5.1	Status of Women Report 1971& 2018	2	Lecture	PPT
5.2	Gender Analysis of Development Policy - Engendering Development Policies	3	Lecture	Black Board
5.3	Women Development Programs from Independence	2	Lecture	Black Board
5.4	Objectives and Methods of Gender Policy in India	2	Chalk and Talk	Black Board
5.5	Paradigm Shift from Welfare to Empowerment – Role of Ministry of Women and Child Development	2	Lecture	Black Board
5.6	Status of Women Report 1971& 2018	2	Discussion	Black Board
5.7	Role of NGOs	2	Lecture	PPT
5.8	Development Initiatives		Lecture	PPT
5.9	Role of Women's Organizations		Lecture	Black Board
5.10	Mobilizing, Networking & Advocacy		Lecture	Black Board
5.11	Grass Root Level Initiatives - Micro Finance and Micro Enterprises - Self Help Groups (SHGs)		Chalk and Talk	Black Board

### References:

1. Eswaran, M. (2014), Why Gender Matters in Economics, Princeton University Press.
2. Anne-Marie Slaughter Unfinished Business: Women Men Work Family, Penguin Random House 2016
3. Bosarup Ester, (1970) Women's Role in Economic Development, George Allen and Unwin, London.
4. Devasia Leelamma (1994) Empowering Women for Sustainable Development, Ashish Publishing House, New Delhi
5. Jacobsen, J. (2007), The Economics of Gender, Wiley-Blackwell.

Gardiner.J (1997) Gender, Care and Economics, Palgrave Macmillan

6. Kabeer Naila, *Reversed Realities: Gender Hierarchies in Development Thought*, Kali for Women, New Delhi.

7. Sen, A. and J. Drèze (1995), *India: Economic Development and Social Opportunity*, Oxford University Press

**COURSE DESIGNER:**

**1. Staff Name**

**Forwarded By**

**HOD'S Signature**

**VI SEMESTER**

**MAJOR-CORE**

**INDIAN FISCAL SYSTEM – 19PG4E12**

(For those who joined in 2019 onwards)

**HOURS/WEEK: 5**

**CREDIT:4**

**COURSE DESCRIPTION**

This course examines the subject matter of Fiscal economics, Budget and Deficit financing. It emphasizes the problems of Allocation of resources between the Centre-state and local bodies.

**COURSE OBJECTIVE/S**

1. To explain the students about Indian Fiscal System.
2. To create awareness about the Federal Finance.

**COURSE OUTCOMES (CO)**

No.	Course Outcome	Knowledge Level(According to
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		Bloom's Taxonomy)
<b>CO 1</b>	Asses India's Tax GST Structure, VAT and GST	K3
<b>CO 2</b>	Identify the Causes and growth of Public Expenditure and measures to reduce the same.	K1/K3
<b>CO 3</b>	Analyse India's Debt position and Dept policy.	K3
<b>CO 4</b>	Discuss the Centre, State and Local financial Relationships and to identify the Problems and Measures to improve their Relationship.	K3/K4
<b>CO 5</b>	Evaluate Latest Budget and Fiscal Policy.	K3/K4

## **UNIT I: PUBLIC REVENUE**

**[15 Hrs]**

India's Tax Structure – aspects – Evaluation. New economic Policy & Tax structure – Taxation of Services. – Presumptive Taxation – **Black Money & Taxation, VAT**

## **UNIT II: PUBLIC EXPENDITURE**

**[15 HRS]** Development

& Non-Development expenditure – Plan and Non-Plan expenditure – Major items of expenditure of Centre & State – Growth of Public Expenditure – causes for the growth of deficit- NEP and Expenditure Reforms.

## **UNIT III: III PUBLIC DEBT**

**[15 Hrs]**

India's Public Debt – Role - Growth – Burden –effects- Problems – Evaluation of debt policy. Public Debt Management – Debt redemption measures.

## **UNIT IV: IV FEDERAL FINANCE & LOCAL FINANCE**

**[15 Hrs]**

Principles of Federal finance- -Distribution of financial resources under XI&XII Finance Commission- latest finance commission – Problems in Centre state financial relationship.

Local finance-Functions and sources of revenue – measures to improve local finance.

## **UNIT V: BUDGET & FISCAL POLICY**

**[15 Hrs]**

**Budget**-Meaning-types-Preparation and presentation-budget deficit and deficit financing - Measures to check deficit financing –Evaluation of latest budget – Fiscal Policy and Economic Development - India's fiscal policy – evaluation of fiscal policy.

## **UNIT VI - DYNAMISM/CURRENTAFFAIR**

**[15 HRS]**

Trends in India's Public expenditure/Taxation, Trends in India's Public Debt, Analyse the current budget Income and Expenditure of Madurai corporation /Municipalities/Punchayat

### COURSE CONTENTS & TEACHING/LEARNING SCHEDULE

Module No.	Topic	No. of Lectures	Content Delivery Method	Teaching Aids
<b>Unit -1 PUBLIC REVENUE</b>				
1.1	India's Tax Structure – aspects – Evaluation. New economic Policy & Tax structure – Taxation of Services.	8	Chalk & Talk	Black Board
1.1:1	Presumptive Taxation – Black Money & Taxation, VAT	7	Chalk & Talk	LCD
<b>UNIT II PUBLIC EXPENDITURE</b>				
2.1	Development & Non-Development expenditure – Plan and Non-Plan expenditure – Major items of expenditure of Centre & State	8	Lecture	PPT & White board
	Growth of Public Expenditure – causes for the growth of deficit- NEP and Expenditure Reforms.	7	Lecture	Black Board
<b>UNIT III :PUBLIC DEBT</b>				
3.1	India's Public Debt – Role - Growth – Burden –effects- Problems –.	8	Lecture	
3.1.1	Evaluation of debt policy. Public Debt Management – Debt redemption measures	7		Black Board
<b>Unit -IV FEDERAL FINANCE &amp; LOCAL FINANCE :</b>				
4.1	Principles of Federal finance- -Distribution of financial resources under XI&XII Finance Commission- latest finance commission – Problems in Centre state financial relationship	8	Lecture	Block Board
	Local finance-Functions and sources of revenue – measures to improve local	7	Chalk & Talk	Block Board

	finance.			
	<b>UNIT V: BUDGET &amp; FISCAL POLICY</b>			
5.1	Budget-Meaning-types-Preparation and presentation-budget deficit and deficit financing - Measures to check deficit financing	7		Block Board
5.2	Evaluation of latest budget – Fiscal Policy and Economic Development - India’s fiscal policy – evaluation of fiscal policy.	8		Block Board
<b>UNIT VI - DYNAMISM</b>				
6.1	Trends in India’s Public expenditure/Taxation			Analytical Skills
6.2	Trends in India’s Public Debt			Analytical Skills
6.3	current budget Income and Expenditure of Madurai corporation /Municipalities/Punchayat			Case Study

### TEXT BOOKS:

### REFERENCE BOOKS:

1. H.L. Bhatia,” Public Finance”, Vikas Publishing House Private Limited, New Delhi,27<sup>th</sup> Revised Edition,2017.
2. V.G. Mankar, “Public Finance [ Theory and Practice]”, Himalaya Publishing House, Bombay, 1<sup>st</sup> Edition, 1992
3. D.M. Mithani, “Modern Public Finance [ Theory and Practice]”, Himalaya Publishing House, Bombay, 1<sup>st</sup> Edition, 2014
4. B.P. Tyagi, “Public Finance”, Jai Prakash Nath & Company, Meerut, 44<sup>th</sup> Edition, 2016.
5. P.N. Varsney and D. K. Mital, “Indian Financial system”, Sultan Chant & Sons.,

New Delhi, Ediltion 2004.

### **WEB REFERENCES**

6. [www.blogcatalog.com](http://www.blogcatalog.com)
7. [www.oecd.org](http://www.oecd.org)
8. [www.doi.wiley.com](http://www.doi.wiley.com)

### **COURSE DESIGNER:**

1. Staff Name: **DR.M.REGINAMARY**

**Forwarded By**

**HOD'S Signature**

**IV SEMESTER**

**MAJOR**

**19PG4E13- INTERNATIONAL ECONOMICS**

(For those who joined in 2019 onwards)

**HOURS/WEEK: 5**

**CREDIT:4**

## COURSE DESCRIPTION

The study of domestic and international trade, market inter country and inter country agreements. It studies about the international financial institutions IMF, WTO, and so on.

## COURSE OBJECTIVE/S

1. To Provide insight into the theories of the subject
2. To inculcate knowledge of global trade

## COURSE OUTCOMES (CO)

No.	Course Outcome	Knowledge Level
CO 1	Discuss the theories of International Trade.	K3
CO 2	Analyse Balance of Payment and Balance of trade	K1
CO 3	Explain Foreign Exchange Market and Euro Currency Market	K3
CO 4	Assess the Impact of International financial institutions.	K3
CO 5	Evaluate the performance of GATT and WTO and other Global Trade Institutions.	K2

### UNIT I:THEORIES OF INTERNATIONAL ECONOMICS

[ 15 Hrs]

Absolute cost theory of Smith - Comparative Cost theory of Ricardo's –Heckscher- Ohlin Theorem – Reciprocal Demand – Opportunity cost theory.

### UNIT: II BALANCE OF PAYMENT & TRADE

[ 15 Hrs]

Structure of Balance of payments Accounts -Disequilibrium and measures to correct disequilibria - FDI – FII- NRI - Foreign Exchange, Reserves, Foreign Exchange Market – Foreign Exchange rate – Determination of exchange rate – Mint parity theory - Purchasing power parity theory – Balance of payment theory. Foreign Exchange Reserves.

### UNITIV: ECONOMIC INTEGRATION

[ 15 hrs]

Customs union - Trade Blocks - Eurocurrency market – European Union – European Economic Community – ASEAN – SAARC – SAPTA – SAFTA – BRICKS.

### UNIT IV : INTERNATIONAL FINANCIAL INSTITUTIONS

[ 15 hrs]

IMF- IBRD and its affiliates IDA-IFC - ADB- UNCTAD – GATT –WTO TRIPS, TRIMS.

### UNIT V INDIA'S POSTION AT INTERNATIONAL LEVEL

[ 15hrs]

India's foreign trade: Composition, Trend – India's balance of payment –India's FDI and FPI- India's External borrowing- NRI earnings- Foreign exchange reserves in India. India's position in the international level - International Rating Agencies and their ranking of India in the international level.



## UNIT VI - DYNAMISM/CURRENTAFFAIR

Trends in India's Public expenditure/Taxation - Trends in India's Public Debt -Analyse the current budget - Income and Expenditure of Madurai corporation/Municipalities/Local Government

### COURSE CONTENTS & TEACHING/LEARNING SCHEDULE

Module No.	Topic	No. of Lectures	Content Delivery Method	Teaching Aids
<b>Unit -1 THEORIES OF INTERNATIONAL ECONOMICS</b>				
1.1	Absolute cost theory of Smith	3	Discussion	Black Board
1.1.1	Comparative Cost theory of Ricardo's	3	Chalk & Talk	LCD
1.2.	Heckscher- Ohlin Theorem	3	Lecture	PPT & White board
1.3	Reciprocal Demand	4	Lecture	Black Board
1.4	Opportunity cost theory	2	Lecture	Black Board
<b>Unit -2 BALANCE OF PAYMENT &amp; TRADE</b>				
2.1	Structure of Balance of payments Accounts	2	Lecture	Black Board
2.2	Disequilibrium and measures to correct disequilibria	2	Chalk & Talk	LCD
2.2.1	FDI – FII- NRI	2	Chalk & Talk	PPT
2.2.2	Foreign Exchange, Reserves, Foreign Exchange Market	2	Lecture	Black Board/
2.2.3	Foreign Exchange rate – Determination of exchange rate.	2	Lecture, Discussion,	PPT, LCD
2.3	Mint parity theory	2	Lecture,	Black Board
2.3.1	Purchasing power parity theory	1	Discussion, Chalk & Talk	LCD, Black Board
	Balance of payment theory.	1		
	Foreign Exchange Reserves	1		
<b>Unit – 3 ECONOMIC INTEGRATION</b>				
3.1	Customs union	1	Chalk & Talk, Discussion	Black Board & LCD
3.2	Trade Blocks - Eurocurrency market	2	Lecture , Chalk & Talk	PPT, Black Board
3.3	European Union	2	Discussion, Lecture	PPT, LCD
3.3.1	European Economic Community	1	Lecture	Black Board

3.1	ASEAN	2	Lecture	LCD
	SAARC	2	Chalk & Talk, Discussion	Black Board & LCD
	SAPTA	2	Lecture , Chalk & Talk	PPT, Black Board
	SAFTA	2	Discussion, Lecture	PPT, LCD
	BRICKS	1	Lecture	Black Board
<b>Unit – INTERNATIONAL FINANCIAL INSTITUTIONS</b>				
4.1	IMF	2	Chalk & Talk, Discussion	Black Board & LCD
4.1.1	IBRD and its affiliates	2	Lecture , Chalk & Talk	PPT, Black Board
4.1.2	IDA	2	Lecture, Discussion,	PPT, LCD
4.2	IFC	1	Chalk & Talk	PPT, LCD
	ADB	1	Lecture , Chalk & Talk	PPT, Black Board
	UNCTAD	2	Lecture, Discussion,	PPT, LCD
	WTO	2	Chalk & Talk	PPT, LCD
	TRIPS	2	Lecture, Discussion,	PPT, LCD
	TRIMS	1	Chalk & Talk	PPT, LCD
<b>Unit – V INDIA’S POSTION AT INTERNATIONAL LEVEL</b>				
5.1	India’s foreign trade: Composition, Trend	2	Lecture, Discussion	PPT, LCD
5.2	India’s balance of payment	2	Chalk & Talk	Black Board
5.3	India’s FDI and FPI-	2	Lecture	PPT
5.4	India’s External borrowing	2	Lecture, Discussion	PPT, LCD
5.5	NRI earnings	2	Chalk & Talk	Black Board
5.6	Foreign exchange reserves in India.	2	Lecture	PPT
5.7	India’s position in the international level	1	Lecture, Discussion,	PPT, LCD
5.8	International Rating Agencies and	2	discussion	LCD

	their ranking of India in the international level.			
<b>Unit – V DYNAMISM/CURRENTAFFAIR</b>				
	Trends in India's Public expenditure/Taxation Analyse the current budget			Students report submission in google class Rooms
	Trends in India's Public Debt			Students PPT Posting in class room
	Income and Expenditure of Madurai corporation/Municipalities/Local Government			Students report submission in Class

#### **REFERENCE BOOKS:**

1. Francis Cherunilam, "International Economics", Tata McGraw-hill Publishing Company Ltd., New Delhi, 2013.
2. K.R. Gupta, "International Economics", Atman ram and sons, Delhi, 1978.
3. Jeevanandham, Victor Louis, Kalyani, Padma, Hemavathi, "International Economics", Sultan Chand & Sons, New Delhi, 2001.
4. Krugman, Paul & Mautice Obstfeed, "International Economics", Addison Wesley, 1999.
6. H.G. Mannur, "International Economics", Vikas Publishing Pvt. Ltd., Mumbai, 1995.
7. M. N. Mishra, "Money Banking & International Trade", Chand & Company Ltd., New Delhi, 1989.
8. D.M. Mithani, "International Economics", Himalaya Publishing House, New Delhi, 1993.
9. M.L. Jhingan, "International Economics", Vrinda Publications Pvt. Ltd., Delhi, 2006.

#### **COURSE DESIGNER:**

**Dr.K.SELVALAKSHMI**

**Forwarded By**

**HOD Signature**

**IV SEMESTER**  
**MAJOR**  
**19PG4E14- BEHAVIOURAL ECONOMICS**  
(For those who joined in 2019 onwards)

**HOURS/WEEK: 6**

**CREDIT: 4**

**COURSE DESCRIPTION**

Latest developments in Behavioural Economics after Richard Thaler

**COURSE OBJECTIVE/S**

1. The course will expose students to several major topics in Behavioural Economics and will look to link theory with empirical applications.
2. The paper will analyse the role of behavioural economics in the context of both consumer and firm.
3. In particular, the course will focus on departures from neoclassical preferences and from rational expectations.
4. To equip them to face international Competitions.

**COURSE OUTCOMES (CO)**

No.	Course Outcome	Knowledge Level
CO 1	Students will become internationally competitive	K1
CO 2	The students become aware of challenges facing the course	K2

	Economics	
<b>CO 3</b>	Updated knowledge is acquired	K3
<b>CO 4</b>	Students learn latest theories	K3

## UNIT I: INTRODUCTION

[ 15Hrs]

Homo Sapien vs Homo Economicus –Failure of standard model, need for behavioural Economics

## UNIT II: TIME PREFERENCES

[ 15Hrs]

Exponential discounting –  $\beta$ - $\delta$  discounting model: present bias preferences –Features – Advantages – Disadvantages – Read and van Leeuwen [ 1998]

## UNIT III: RISK PREFERENCES

[ 15Hrs]

Allies paradox: common ratio effect, common consequence effect –Explaining Allies paradox with prospect theory: Original prospect theory, Cumulative prospect theory – Endowment effect

## UNIT IV: HEURISTICS

[15Hrs]

Type 1 and type 2 thinking – Types of **heuristics and biases** – Availability heuristic: [bias 1: ease of recall, bias 2: retrievability] – Representativeness heuristic [bias 1: insensitivity to base rates, bias 2: insensitivity to sample size, bias 3: misconception of chance, bias 4: regression to the mean, bias 5: the conjunction fallacy] – Confirmation heuristic [ bias 1: the confirmation trap]

## UNIT V: BEHAVIOURAL GAME THEORY

[ 15Hrs]

**Dictator game – Ultimatum game** – Public goods game [or Voluntary contribution mechanism] – Battle of the sexes – traveller's dilemma.

## Unit VI DYNAMISM

Presentation of case study of books on behavioral Economics- Model cases of different concepts  
- Cases for Behavioral irrationalities

## COURSE CONTENTS & TEACHING/LEARNING SCHEDULE

Module No.	Topic	No. of Lectures	Content Delivery Method	Teaching Aids
<b>UNIT I: INTRODUCTION</b>				
1.1	Homo Sapien vs Homo Economicus	5	PPT and lecture	LCD
1.2	Failure of standard model,	5	lecture	Black board
1.3	Need for behavioural Economics	5	lecture	Google classroom

2.1	Exponential discounting	3	PPT and lecture	LCD
2.2	$\beta$ - $\delta$ discounting model: present bias preferences	3	PPT and lecture	LCD
2.3	Features	3	PPT and lecture	LCD
2.4	Advantages and Disadvantages	3	lecture	Smart Board
2.5	Read and van Leeuwen [ 1998]	3	lecture	Smart Board
3.1	Allies paradox	2	Lecture	Smart Board
3:1	common ratio effect,	2	Lecture	Smart Board
3.3	common consequence effect	2	Lecture	Black Board
3.4	Explaining Allies paradox with prospect theory	2	Lecture	Smart Board
3.5	Original prospect theory	2	Lecture	Smart Board
3.6	Cumulative prospect theory	2	Lecture	Black Board
3.7	Endowment effect	2	Discussion	Smart Board
4.1	Type 1 and type 2 thinking	1	Lecture	Smart Board
4.2	Types of heuristics and biases	2	Lecture	Smart Board
4..3	Aavailability heuristic: [bias 1: ease of recall, bias 2: retrievability]	2	Lecture	Black Board
4..4	Representativeness heuristic [bias 1	2	Lecture	Smart Board
4..5	insensitivity to base rates, bias 2:	1	Lecture	Smart Board
4..6	insensitivity to sample size, bias 3	1	Lecture	Black Board
4.7	misconception of chance, bias 4	2	Lecture	Smart Board
4.8	regression to the mean, bias 5: the conjunction fallacy]	2	Lecture	Smart Board
4.9	Confirmation heuristic [ bias 1: the confirmation trap]	2	Lecture	
<b>UNIT V: BEHAVIOURAL GAME THEORY</b>				
5.1	Dictator game	2	Lecture	Smart Board
5.1:1	Ultimatum game	2	Lecture	Smart Board

5.3	Public goods game [or Voluntary contribution mechanism]	2	Lecture	Black Board
5.4	Battle of the sexes	2	Lecture	Smart Board
5.5	Traveller's dilemma	2	Lecture	Smart Board
<b>Unit VI DYNAMISM</b>				
6.1	Presentation of case study of books on Behavioural Economics			Google classroom submission
6.2	Model cases of different concepts			Google classroom submission
6.3	Cases for Behavioural irrationalities			Google classroom submission

#### **REFERENCE BOOKS:**

1. Sanjit Dhama, 'The foundations of Behavioural Economics' Oxford Publishers
2. Nick Wilkinson and Mathias Kaes, 'An introduction to Behavioural Economics'
3. Edward Cartwright, 'Behavioural Economics' Routledge Paperback
4. Roth and JohnH Kagel, 'Handbook of Experimental Economics' The Princeton University Press
5. Daniel Kahneman, 'Thinking fast and slow' Farrar, Straus and Giroux [FSG] Publishers

#### **COURSE DESIGNER:**

**Staff Name (Dr. Shobana Nelasco)**

**Forwarded By**

**HOD'S Signature**

**IV SEMESTER**

**MAJOR**

**19PG4E15 - ENVIRONMENTAL ECONOMICS**

(For those who joined in 2019 onwards)

**COURSE DESCRIPTION**

Awareness on environmental problems and issues in India and rest of the world

**COURSE OBJECTIVE/S**

1. To make students aware of environmental problems facing our countries
2. To study how economic activities affect the environment.
3. To understand some important and core issues of environment.
4. To improve the knowledge on scarce energy usages
5. To enlighten them on environmental protection efforts
6. To develop understanding of the key concepts of environmental economics and their relevance in the business settings
7. To equip students to apply tools of environmental economics in resolving business.

**COURSE OUTCOMES (CO)**

No.	Course Outcome	Knowledge Level
CO 1	Know core concepts and methods from ecological and physical sciences and their application in environmental problem-solving.	K1
CO 2	Appreciate key concepts from economic, political, and social analysis as they pertain to the design and evaluation of environmental policies and institutions.	K2
CO 3	Gain knowledge on ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems.	K3
CO 4	Reflect critically about their roles and identities as citizens, consumers and environmental actors in a complex, interconnected world.	K4
CO5	Prepare an analytical policy report that develops knowledge and practical implementation of relevant economic theory in understanding and addressing an environmental or natural resource issue.	K5



**UNIT I: BASIC CONCEPTS AND THEORIES****[ 15 Hrs]**

Eco-System - Pollution: Land, water, Air, Noise - Methods of Pollution Control Private Market - Market Failure -Externalities -- Environment as a Public Good – Costs – Benefit analysis of Environment -Coase Theorem

**UNIT II : ENERGY AND RESOURCES****[ 15 Hrs]**

Renewable & Non-renewable Sources of Energy: Thermal, Nuclear, Hydel Power, Solar, Wind & Nuclear Energy - water resource – ground water scarcity

**UNIT III: INDIAN ENVIRONMENTAL CHALLENGES****[ 15 Hrs]**

Interlinking of rivers- Cavery water issue – Farmers challenges - Sethu Samuthram Project-

Koodankulam Project – Nutrino- Kathiramangalam Metane issue - Chennai - Salem Greenfield

Highway Project- Enayam Port –Sterlite Issue- Kulasai Rocket Launching Issue - Bhopal Gas Tragedy

**UNIT IV: INTERNATIONAL ENVIRONMENTAL ISSUES:****[15 Hrs]**

Carbon Neutral, Chernobyl disaster- Japan nuclear disaster- Clamenseu ship issue—tsunami, Rio – summit deliberations.- Nuclear wars –International waste dumping in sea and space – Environmental ranking of countries

**UNIT V: ENVIRONMENTAL MANAGEMENT****[15 Hrs]**

Economic Instruments – Fiscal Measures, Effluent Charges, Subsidies, Financial Incentives. Non-economic Instruments – Environmental Education, Peoples Participation, Voluntary Organizations – Environmental Regulations and Laws– Disaster Management

**Unit VI DYNAMISM**

**Practical Evaluation Components using case study, Survey Reports and presentation (PPT or oral):**

Seminar and presentation on case study of core environmental issues

Doing individual projects on current environmental issues

**COURSE CONTENTS & TEACHING/LEARNING SCHEDULE**

Module No.	Topic	No. of Lectures	Content Delivery Method	Teaching Aids
<b>UNIT I: BASIC CONCEPTS AND THEORIES</b>				
1.1	Eco-System	2	PPT and lecture	LCD

1.2	Pollution, Land, water, Air, noise- Methods of Pollution Control	4	You tube viedos	Black board
1.3	Market Failure Externalities and Environment as a public good	4	lecture	Class room
1.4	Environment as a Public Good and Coase Theorem	2	PPT and lecture	LCD
1.5	Private Market — Costs – Benefit analysis of Environment	3	PPT and lecture	LCD
<b>UNIT II : ENERGY AND RESOURCES</b>				
2.1	Renewable & Non-renewable Sources of Energy	4	You tube viedo	black Board
2.2	Thermal, Nuclear, Hydel Power	3	You tube viedo	black Board
2.3	Solar, Wind & Nuclear Energy -	4	You tube viedo	Black Board
2.4	water resource – ground water scarcity	4	You tube viedo	Smart Board
<b>UNIT III: INDIAN ENVIRONMENTAL CHALLENGES</b>				
3.1	Interlinking of rivers- Cavery water issue	2	Lecture and discussion	Smart Board
3.2	Farmers challenges - Sethu Samuthram Project	3	Lecture	Smart Board
3.3	Koodankulam Project – Nutrino-Kathiramamangalam Metane issue	3	Lecture	Black Board
3.4	Chennai-Salem Greenfield Highway Project	2	Lecture	Smart Board
3.5	Enayam Port, Sterlite Issue- Kulasai Rocket Launching Issue	3	Lecture	Smart Board
3.6	Bhopal Gas Tragedy	2	Lecture	Black Board
<b>UNIT IV: INTERNATIONAL ENVIRONMENTAL ISSUES</b>				
4.1	Carbon Neutral, Chernobyl disaster- .-	3	Lecture & Viedo	Smart Board
4.2	Japan nuclear disaster	3	Lecture & Viedo	Smart Board
4.3	Clamenseu ship issue--tsunami, Rio – summit deliberations	3	Lecture & Viedo	Black Board

4.4	Nuclear wars –International waste dumping in sea and space –	3	Lecture & Viedo	Smart Board
4.5	Environmental ranking of countries	3	Lecture & Viedo	Smart Board
<b>UNIT V: ENVIRONMENTAL MANAGEMENT</b>				
5.1	Economic Instruments – Fiscal Measures, Effluent Charges, Subsidies,–	4	Lecture	Black board
5.2	Financial Incentives. Non-economic Instruments – Environmental Education,	5	Lecture	Black board
5.3	Peoples Participation, Voluntary Organizations – Environmental Regulations and Laws	3	Lecture	Black board
5.4	Disaster Management	3	Lecture	Black board

## REFERENCE BOOKS

1. Baumol .J. William and Oates .E.Wallace, “The Theory of Environmental Policy Externalities, Public Outlay on the Quality of Life”, Prentice Hall Inc.,1987.
2. Burrows P., “The Economic Theory of Pollution Control”, Marton Robertson Publication, 1988.
3. Dhulasi Birinda, “ Environomics”, Allied Publication, Ahamedabad, 2001.
4. Eugene T., “Environmental Economics”, Vrinda Publication New Delhi, 2004.
5. Karpagam M., “Environmental Economics”, Sterling Publishers Private Ltd.,
6. Mahajan V.S., “Environment Planning, Machinery and Management”, Deep & Deep Publns
7. Maheswar Dayal, “Renewable Energy, Environment and Development”, Konark Publishers, New Delhi, 1989.
8. Kjell Arne Brekke “Economics growth and the environment” Edwarel Edgar Publishing Limited UK 1997
9. Antonio S. Camara “Environmental systems a multidimensional approach”US by Oxford University Press Inc. NewYork 2002
10. Alan Cottrell “Environmental economics”Edward Arnold Publisher Ltd. London 1978
11. Antonica Cornwell & John Creedy “Environmental taxes and economic welfare”Edward Elgar Publishing Ltd Uk & USA ,1997
12. Andrew Holden “Environment and tourism” Routledge Taylor & Francis Group Uk 2003
13. P.K. Rao “International environmental” Blackwell Publishers Inc USA 2002
14. Peter B. “Kaufman creating a sustainable future” SCI Tech Publishing LIC, USA 2002

15. [http://web.ccsu.edu/faculty/kyem/GEOG433/International\\_Problems/INTERNATIONAL ENVIRONMENTAL PROBLEMS.htm](http://web.ccsu.edu/faculty/kyem/GEOG433/International_Problems/INTERNATIONAL_ENVIRONMENTAL_PROBLEMS.htm)
16. <http://www.yourarticlelibrary.com/environment/10-major-environmental-challenges-faced-by-india/9862>
17. [http://archive.mu.ac.in/myweb\\_test/M.A.Part%20-%20II%20-%20Paper%20VII.pdf](http://archive.mu.ac.in/myweb_test/M.A.Part%20-%20II%20-%20Paper%20VII.pdf)
18. <https://www.edf.org/climate/methane-other-important-greenhouse-gas>
19. <http://www.environment.gov.au/marine/publications/factsheet-dumping-wastes-se>

#### **IV SEMESTER**

#### **MAJOR ELECTIVE**

#### **NATIONAL INCOME ACCOUNTING – 19PG4EE3**

(For those who joined in 2019 onwards)

**HOURS/WEEK: 4**

**CREDIT:4**

## COURSE DESCRIPTION

The course provides an insight to evaluate the magnitude of our economic performance that is essential to planners and policy-makers so as to know how well the economy is performing thereby; they can set goals and make policy recommendations.

## COURSE OBJECTIVES

To explain the difficult and technical concepts used in Accounting National Income in a simple and lucid manner to the students.

To make the students understand the meaning and significance of the tables in the National Accounts statistics of India by CSO Publication.

## COURSE OUTCOMES (CO)

No.	Course Outcome	Knowledge Level
CO 1	Empower the students to work in the field of CSO preparing Standard National Income Accounts.	K3
CO 2	Create and assess the useful tool for the working of NI in Modern economy.	K1
CO 3	Identify with double counting in National Income.	K1
CO 4	Helps in formulation of economic policy in an economy.	K2/K3
CO 5	Enrich the students' employability in corporate, quasi- corporate and unincorporated enterprises.	K1/K2
CO 6	Create clear understanding of the relationship between the concepts like operating surplus, transfer payments and compensation of employees while calculating National income.	K1/K2
CO 7	Compute the different methods of National Income which will enable them to get in to the department of National income Accounts.	K3

## UNIT I: INTRODUCTION

[15 HRS]

National Income: Meaning, National Income accounts-Significance of national income accounts, National Accounting. Basic Economic activities- Functional classification of an Economy in to sectors; Production Sector-Consumption Sector-Government Sector.

Capital Formation: Gross Domestic capital formation – Gross domestic fixed capital formation and change in stock. Economic flows: flow and stock. Circular flow of National income: Production flow, Income flow and expenditure flow.

## **UNIT II: PRODUCTION PROCESS AND NATURE OF GOODS & SERVICES [15HRS]**

**Production Process:** Meaning – **Nature of production process**, Organisation of labour: Product based and process based, Organisation of technology: Labour intensive and capital intensive, Production of goods and services for self – consumption and for exchange, Categories of producers: Government, Corporate and household enterprises.

Nature of goods and services: Concept of production boundary-end-use classification of goods and services. Material and non-material goods, Economic and non-economic goods, Consumer and producer goods, intermediate and final goods, value of output and value added: Net value added at factor costs using deductible costs.

## **UNIT III: GENERATION OF NATIONAL INCOME [15 HRS]**

Generation of Income: Process of income generation, wage income and non-wage income, Domestic income: Compensation of employees: Definition-its components Operating surplus: meaning – Components of operating surplus-Zero operating-Mixed Income of Self employed and operating surplus. Calculation of Compensation of Employees and Operating Surplus.

Net-factor income Abroad: Meaning – components of NFIA, Subsidy, Transfer payments: meaning – current transfers and capital transfers, current transfers to the rest of the world and capital transfers from rest of the world, Distinction: National wealth and national capital – national capital and national income.

## **UNIT IV: MEASUREMENT OF NATIONAL INCOME [15 HRS]**

Methods of measuring national income:

- a. Value added method: Steps involved and precautions taken while calculating National income by VA method, **Calculation of GDP, NDP, GNP, NNP at market price and factor cost.**
- b. Income method: Steps involved and precautions taken while calculating National income by income method, calculation of domestic income [ NDP at FC], National income, private income, personal income, personal disposable income.
- c. Expenditure method: Steps involved and precautions taken while calculating National income by Expenditure method. Final consumption expenditure: Final consumption expenditure of general government, households and of private non-profit institutions.

## **UNIT V: CALCULATION OF DOMESTIC PRODUCT IN INDIA [15 HRS]**

Pre-independence and post independence estimates of national income – national income Committee, CSO: CSO methodology for computation of national income, - sectoral contributions of primary, manufacturing and tertiary sector in estimation of domestic product, white paper on national income [ NAS]in India. Difficulties in measuring national income in India- problem of double counting.

## UNIT VI - DYNAMISM/CURRENTAFFAIR

A case study on calculating operating surplus and Compensation of employees of a firm - A case study on self-employed personal towards mixed income in calculating National income - Assignment on a case of double counting in any food processing Unit - Comprehensive Test

### COURSE CONTENTS & TEACHING/LEARNING SCHEDULE

Module No.	Topic	No. of Lectures	Content Delivery Method	Teaching Aids
<b>UNIT I: INTRODUCTION</b>				
1.1	National Income: Meaning	1	Chalk & Talk	Black Board
1.1:1	National Income accounts-Significance of national income accounts, National Accounting.	4	Chalk & Talk	LCD
1.3	Basic Economic activities- Functional classification of an Economy in to sectors; Production Sector-Consumption Sector-Government Sector.	3	Lecture	PPT
1.4	Capital Formation: Gross Domestic capital formation – Gross domestic fixed capital formation and change in stock.	2	Lecture	Black Board
1.5	Economic flows: flow and stock.	2	Lecture	Black Board
1.6	Circular flow of National income: Production flow, Income flow and expenditure flow.	3	Discussion	Black Board
<b>UNIT II: PRODUCTION PROCESS AND NATURE OF GOODS &amp; SERVICES</b>				
2.1	Production Process: Meaning – Nature of production process,	1	Lecture	Green Board Charts
2.1.1	Organisation of labour: Product based and process based,	2	Chalk & Talk	Green Board
2.1.2	Organisation of technology: Labour intensive and capital intensive,	1	Lecture	Materials
2.1.3	Production of goods and services for self – consumption and for exchange,	1	Lecture	Black board
2.2	Categories of producers: Government,	1	Lecture	Black board

	Corporate and household enterprises.			
2.3	Nature of goods and services: Concept of production boundary-end-use classification of goods and services.	2	Lecture	PPT & Black board
2.3.1	Material and non-material goods, Economic and non-economic goods,	1	Lecture	Black board
2.3.2	Consumer and producer goods, intermediate and final goods,	3	Lecture	Black board
2.3.3	value of output and value added: Net value added at factor costs using deductible costs.	3	Lecture	Black board
<b>UNIT III: GENERATION OF NATIONAL INCOME</b>				
3.1	Generation of Income: Process of income generation, wage income and non-wage income,	2	Lecture	Black board & PPT
3.2	Domestic income: Compensation of employees: Definition-its components	1	Lecture	Black board & PPT
3.2.1	Operating surplus: meaning –Components of operating surplus	1	Lecture	Black board & PPT
3.2.2	Zero operating -Mixed Income of Self Employed	1	Lecture	Black board & PPT
3.2.3	Calculation of Compensation of Employees and Operating Surplus.	5	Chalk and Talk	Black board
3.3	Net-factor income Abroad: Meaning – components of NFIA, Subsidy	1	Chalk and Talk	Black board
3.4	Transfer payments: meaning – current transfers and capital transfers, current transfers to the rest of the world and capital transfers from rest of the world	3	Chalk and Talk	Black board
3.5	Distinction: National wealth and national capital – national capital and national income.	1	Lecture	PPT
<b>UNIT IV: MEASUREMENT OF NATIONAL INCOME</b>				
4.1	Methods of measuring national income: a. Value added method: Steps involved and precautions taken while calculating	5	Chalk and Talk	Black board



	National income by VA method, Calculation of GDP, NDP, GNP, NNP at market price and factor cost.			
4.2	Income method: Steps involved and precautions taken while calculating National income by income method, calculation of domestic income [ NDP at FC], National income, private income, personal income, personal disposable income.	5	Chalk and Talk	Black board
4.3	Expenditure method: Steps involved and precautions taken while calculating National income by Expenditure method. Final consumption expenditure: Final consumption expenditure of general government, households and of private non-profit institutions.	5	Chalk and Talk	Black board

#### **UNIT V: CALCULATION OF DOMESTIC PRODUCT IN INDIA**

5.1	Pre independence and post independence estimates of national income	2	Lecture	Material
5.2	National income Committee, CSO: CSO methodology for computation of national income	3	Lecture	Material
5.3	Sectoral contributions of primary, manufacturing and tertiary sector in estimation of domestic product,	3	Chalk and Talk	Black board
5.4	White paper on national income [ NAS]in India.	1	Lecture	Material
5.5	Difficulties in measuring national income in India	4	Lecture	Hand outs
5.6	Problem of double counting.	2	Lecture	Hand outs

#### **UNIT VI - DYNAMISM/CURRENTAFFAIR**

6.1	A case study on calculating operating surplus and Compensation of employees of a firm	-	Discussion	Black board
6.2	A case study on self-employed personal	-	Discussion	Black board

	towards mixed income in calculating National income			
6.3	Assignment on a case of double counting in any food processing Unit - Comprehensive Test	-	Discussion	Black board

**REFERENCE BOOKS:**

1. C.B. Sach Deva, "National Accounting", Revised Edition, Arya Book depot, Karol Bagh, New Delhi , 1996.
2. Uma Datta Roy Choudhury & Moni Mukherjee, "National Accounts Information System", Macmillan India Ltd, New Delhi, 1994.
3. Raman D.V. Bombay, "National Accounts & Input Output Accounts of India", Asia Publishing House, New Delhi.

**COURSE DESIGNER:**

1. Staff Name - Dr. P.ANITA

**Forwarded By**

**HOD'S Signature**

**M.A. ECONOMICS**

**IV SEMESTER**

**MAJOR Elective**

**INDUSTRIAL ECONMICS – 19PG3EE4**

**COURSE DESCRIPTION**

This course provides an introduction to current theory and empirical work in Industrial economics.

**COURSE OBJECTIVE/S**

- To provide knowledge to the students on the basic issues involved in the industrial development of India.
- The students can enter into any industries with their sound knowledge about the various aspects of industries or take up self employment.

**COURSE OUTCOMES (CO)**

No.	Course Outcome	Knowledge Level(According to Bloom's Taxonomy)
CO 1	Understand the concept and theories of industrial economic	K1
CO 2	Make the students knowledgeable to appear for competitive Exams	K2
CO 3	Gain knowledge in the field of cost benefit analysis	K3
CO 4	Analyze the sources of industrial finance	K3
CO 5	Design the various problems according to the economic status	K1

**UNIT- I INDUSTRIALIZATION****(15Hrs)**

Meaning – Importance – Factors inhibiting industrial development – Remedial Measures – Industrial progress during five year plans. Industrial location – Factors influencing location – Theories of Location - Sargant Florence Theory – Weber's theory.

**UNIT -II OWNERSHIP AND CONTROL OF INDUSTRIES****(15 Hrs)**

Ownership and control of industries: Public sector, Private sector, Joint sector, co-operative sector. Need and intervention of government - Ways and means, social control –Legal framework - Evaluation of industrial policies.

**UNIT- III INDUSTRIAL FINANCE****(15 Hrs)**

Owned, external and other sources of funds. Role, nature, volume and types of institutional finance - IDBI, IFCI, SFCs, SIDC, commercial banks, etc., . Financial statement - Balance sheet, Profit and loss account - Assessment of financial soundness - Ratio analysis.

#### UNIT-IV PROJECT APPRAISAL

(15Hrs)

**Cost-benefit analysis** - Net Present Value (NPV) and internal rate of return (IRR) criteria - Balancing private and social returns.

#### UNIT -V INDUSTRIAL PROBLEMS AND PROSPECTS

(15 Hrs)

Industrial sickness – Definition – Magnitude – Causes –Consequences – Government policy in regard to industrial sickness - RATIONALIZATION – Definition - Aims – Measures for carrying out rationalization – Advantages – Dangers – Attitudes of employers, workers and Government towards rationalization –Rationalization of industries in India. Industrial Clusters – Definition- The pure agglomeration model-The industrial complex model-The social network model- Advantages and Disadvantages of Industrial Clusters.

### COURSE CONTENTS & TEACHING/LEARNING SCHEDULE

Module No.	Topic	No. of Lectures	Content Delivery Method	Teaching Aids
<b>UNIT - 1 UNIT- I INDUSTRIALIZATION</b>				
1.1	Meaning – Importance – Factors inhibiting industrial development	3	Chalk & Talk	Black Board
1.1:1	Remedial Measures – Industrial progress during five year plans	3	Chalk & Talk	Black Board
1.2	Industrial location	3	Lecture	PPT
1.2.1	Factors influencing location –	2	Flipped Learning	Online/ E-Content/
1.2.2	Theories of Location	1	Flipped Learning	Online/ E-Content/
1.2.3	Sargant Florence Theory, Weber`s theory.	3	Lecture	Black Board
<b>UNIT -II OWNERSHIP AND CONTROL OF INDUSTRIES</b>				
2.1	Input - Output Model. Ownership and control of industries	4	Lecture	Black Board

2.2	Public sector, Private sector, Joint sector, co-operative sector	3	Google	online
2.3	Need and intervention of government	3	Lecture	Black Board
2.4	Ways and means, social control –Legal framework -	2	Flipped Learning	Online/ E-Content/
2.5	Evaluation of industrial policies.	3	Lecture	Black Board

<b>UNIT III: INDUSTRIAL FINANCE</b>				
3.1	Owned, external and other sources of funds	2	Lecture	Black Board
3.2	Role, nature, volume and types of institutional finance	3	Lecture	Black Board
3.3	IDBI, IFCI, SFCs, SIDC, commercial banks, etc	5	Google	online
3.4	Financial statement - Balance sheet, Profit and loss account	3	Lecture	Black Board
3.5	Assessment of financial soundness - Ratio analysis	2	Flipped Learning	Online/ E-Content/
<b>UNIT IV: PROJECT APPRAISAL</b>				
4.1	Cost-benefit analysis - Net Present Value	2	Lecture	Black Board
4.2	Cost-benefit analysis - Net Present Value (NPV) and internal rate of return (IRR)	2	Lecture	Black Board
4.3	criteria - Balancing private and social returns	2	Discussion	ppt
<b>UNIT V: INDUSTRIAL PROBLEMS AND PROSPECTS</b>				
5.1	Industrial sickness	1	Lecture	Black Board
5.1.1	Definition – Magnitude – Causes – Consequences, – Government policy in regard to industrial sickness	3	Discussion	ppt
5.2	Rationalization ,	1	Lecture	Black Board

	Definition - Aims – Measures for carrying out rationalization – Advantages ,Dangers	2	Lecture	Black Board
5.3	Attitudes of employers, workers and Government towards rationalization	2	Discussion	ppt
	Rationalization of industries in India	1	Lecture, Discussion	LCD
	Industrial Clusters – Definition	1	Lecture, Discussion	LCD
	The pure agglomeration model-The industrial complex model-The social network model	2	Lecture, Discussion	LCD,PPT
5.3.	Advantages and Disadvantages of Industrial Clusters	2	Lecture, Discussion	LCD
<b>UNIT VI DYNAMISM/CURRENTAFFAIR</b>				
6.2	case study of current Industrial Problem in particular area.			Student submission in the class room PPT
6.3	Assignment on various Sources of industrial finance			Student submission in the class room PPT

### Reference Books

1. Amarjit Singh; A N Sadhu “Industrial Economics”, Himalaya Publishing house, Delhi, 1988
2. Barthwal, R.R. “Industrial Economics”, New Age International Pvt. Ltd., 2010.
3. Cherunilam, F, Industrial Economics : Indian Perspective (3rd Edition), Himalaya Publishing House, Mumbai, 1994
4. Dhingra, I.C The Indian Economy Environment and Policy, Sultan Chand, 2014
5. Government of India, Economic Survey (Annual).
6. Kutchhal, S.C. , Industrial Economy of India (5th Edition), Chaitanya Publishing House, Allahabad, 1980
7. Misra and Puri, “Indian Industrial Economy”, Himalaya Publishing house, New Delhi, 1989.
8. Sharma, A.K. “Industrial Economics”, Anmol Publications Ltd, New Delhi, 2006.

9. Sivayya K.V& V.B.M. Dhas, “Industrial Economics”, S. Chand Company Ltd. New Delhi, 1990

**COURSE DESIGNER:**

**Staff Name Dr.K. Selvalakshmi**

**Forwarded By**



**Signature of the HOD with Seal**

DEPARTMENT OF ECONOMICS  
FATIMA COLLEGE  
MADURAI-18.